

Product: 704 - Pollens - Trees, Acacia Acacia longifolia

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: acacia longifolia, acacia pollen, acacia allergy, acacia cross reactivity, acacia skin test, acacia extract, acacia allergenic extract; acacia, IgE; acacia, asthma; acacia, immunotherapy, wattle allergy, mimosa allergy
Google: acacia, "adverse events"; acacia pollen, "adverse events"; acacia pollen extract, "adverse events"; acacia extract, "adverse events"; acacia allergenic extract, "adverse events"; acacia skin test, "adverse events"; acacia "skin prick test", "adverse events"; acacia immunotherapy, "adverse events"; acacia longifolia, "adverse events"; acacia baileyana, "adverse events"; acacia decurrens, "adverse events"

Nomenclature

According to ITIS, the scientific name, Acacia longifolia, is correct and current. Common names are Sydney golden wattle and western yarrow. Synonym is Acacia latifolia. The Acacia genus is found in the Fabaceae family. Acacia is reported to cause limited allergy.

Parent Product

704 - Pollens - Trees, Acacia Acacia longifolia

Published Data

PMID: 7105390 reported high cross-reactivity between rye grass pollen and A. sophorae extract. This paper included positive SPT for 2 patients with A. baileyana extract.

PMID: 15285462, reported on allergic patients on the Adriatic coast having positive skin prick test to A. baileyana during pollination season.

PMID: 2006774 reported on allergy and floriculturists to A. floribunda.

PMID: 9109711, reported that among 1,159 patients in an Allergy Clinic in Saudi Arabia that tested positive to one or more inhalants, 29% had a positive skin prick test to Acacia longifolia.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
704_ Ann Allergy 66-253.pdf	2006774	Ariano, R.	1991
704_ Arh Hig Rada Toksikol. 55-147.pdf	15285462	Cvitanović, S.	2004
704_ Clin Allergy 12-259.pdf	7105390	Howlett, B.J.	1982
563_ Ann Allergy Asthma Immunol-78-415.pdf	9109711	Suliaman, F.A.	1997

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 705 - Pollens - Trees, Acacia spp.

Recommended Scientific Name Acacia, (species to be specified)

Manufacturers of this Product

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: acacia, acacia pollen, acacia allergy, acacia cross reactivity, acacia skin test, acacia extract, acacia allergenic extract; acacia, IgE; acacia, asthma; acacia, immunotherapy, wattle allergy, mimosa allergy

Google: acacia, "adverse events"; acacia pollen, "adverse events"; acacia pollen extract, "adverse events"; acacia extract, "adverse events"; acacia allergenic extract, "adverse events"; acacia skin test, "adverse events"; acacia "skin prick test", "adverse events"; acacia immunotherapy, "adverse events"; acacia longifolia, "adverse events"; acacia baileyana, "adverse events"; acacia decurrens, "adverse events"

Nomenclature

According to ITIS, there are two varieties, one subspecies, and fifty-eight species listed within the Acacia genus. The Acacia genus is found in the Fabaceae family. For this product, manufacturers have not identified the species.

Parent Product

705 - Pollens - Trees, Acacia spp.

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 706 - Pollens - Trees, Acacia, Bailey's Acacia baileyana

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed – acacia baileyana, acacia pollen, acacia allergy, acacia cross reactivity, acacia skin test, acacia extract, acacia allergenic extract; acacia, IgE; acacia, asthma; acacia, immunotherapy, wattle allergy, mimosa allergy

Google – acacia, "adverse events"; acacia pollen, "adverse events"; acacia pollen extract, "adverse events"; acacia extract, "adverse events"; acacia allergenic extract, "adverse events"; acacia skin test, "adverse events"; acacia "skin prick test", "adverse events"; acacia immunotherapy, "adverse events"; acacia longifolia, "adverse events"; acacia baileyana, "adverse events"; acacia decurrens, "adverse events"

Nomenclature

According to ITIS, the scientific name, Acacia baileyana, is correct and current. The common names are Baily acacia and Cootamundra wattle. The Acacia genus is found in the Fabaceae family. Acacia is reported to cause limited allergy.

Parent Product

706 - Pollens - Trees, Acacia, Bailey's Acacia baileyana

Published Data

PMID: 7105390 reported high cross-reactivity between rye grass pollen and A. sophorae extract. This paper included positive SPT for 2 patients with A. bailyeana extract.

PMID: 15285462 reported on allergic patients on the Adriatic coast having positive skin prick test to A. baileyana during pollination season.

PMID: 2006774 reported on allergy and floriculturists to A. floribunda.

PMID: 9109711 reported that among 1,159 patients in an Allergy Clinic in Saudi Arabia that tested positive to one or more inhalants, 29% had a positive skin prick test to Acacia longifolia.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
704_ Arh Hig Rada Toksikol. 55-147.pdf	15285462	Cvitanović, S.	2004
704_ Ann Allergy 66-253.pdf	2006774	Ariano, R.	1991
704_ Clin Allergy 12-259.pdf	7105390	Howlett, B.J.	1982
563_ Ann Allergy Asthma Immunol-78-415.pdf	9109711	Suliaman, F.A.	1997

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 707 - Pollens - Trees, Acacia, Green Acacia decurrnes

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: acacia decurrens, acacia pollen, acacia allergy, acacia cross reactivity, acacia skin test, acacia extract, acacia allergenic extract; acacia, IgE; acacia, asthma; acacia, immunotherapy; wattle allergy, mimosa allergy
Google: acacia, "adverse events"; acacia pollen, "adverse events"; acacia pollen extract, "adverse events"; acacia extract, "adverse events"; acacia allergenic extract, "adverse events"; acacia skin test, "adverse events"; acacia "skin prick test", "adverse events"; acacia immunotherapy, "adverse events"; acacia longifolia, "adverse events"; acacia baileyana, "adverse events"; acacia decurrens, "adverse events"

Nomenclature

According to ITIS, the correct spelling of Acacia decurrnes is Acacia decurrens. Common names are black wattle and green wattle. The Acacia genus is found in the Fabaceae family. Acacia is reported to cause limited allergy.

Parent Product

707 - Pollens - Trees, Acacia, Green Acacia decurrnes

Published Data

PMID: 7105390 reported high cross-reactivity between rye grass pollen and A. sophorae extract. This paper included positive SPT for 2 patients with A. baileyana extract.

PMID: 15285462 reported on allergic patients on the Adriatic coast having positive skin prick test to A. baileyana during pollination season.

PMID 2006774 reported on allergy and floriculturists to A. floribunda.

PMID 9109711 reported that among 1,159 patients in an Allergy Clinic in Saudi Arabia that tested positive to one or more inhalants, 29% had a positive skin prick test to Acacia longifolia.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
704_ Arh Hig Rada Toksikol. 55-147.pdf	15285462	Cvitanović, S.	2004
704_ Ann Allergy 66-253.pdf	2006774	Ariano, R.	1991
704_ Clin Allergy 12-259.pdf	7105390	Howlett, B.J.	1982
563_ Ann Allergy Asthma Immunol-78-415.pdf	9109711	Suliaman, F.A.	1997

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 708 - Pollens - Trees, Alder Alnus spp.

Recommended Scientific Name Alnus, (species to be specified)

Manufacturers of this Product

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: alder allergy, alnus allergy, alder cross-reactivity alnus glutinosa, alnus incana allergy, alnus rubra allergy, alnus rhombifolia, alnus viridis ssp sinuata, alnus incana ssp tenuifolia, similar searches with common names

Google: alder allergy; alder allergy, "adverse events"; alnus, "adverse events"; alnus glutinosa, "adverse events"; alnus incana, "adverse events"; Alnus incana ssp tenuifolia; adverse events; alnus rubra, "adverse events"; Alnus incana ssp rugosa ; adverse events; alnus rhombifolia, "adverse events"

Nomenclature

According to ITIS, there are twelve species within the Alnus genus. The Alnus genus is found in the Betulaceae family.

Parent Product

708 - Pollens - Trees, Alder Alnus spp.

Published Data

PMID: 3296843 and 1715032 reported that pollens from the order Fagales contain cross-reactive allergens. Birch pollen is frequently cited as being highly cross-reactive with alder, hazel, and hornbeam pollen.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
857_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
709_ Mol Immunol 28-897.pdf	1715032	Rohac, M.	1994
709_ J Allergy Clin Immunol 87-677.pdf	2005320	Valenta, R.	1991

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 709 - Pollens - Trees, Alder, Black Alnus glutinosa

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: alder allergy, alnus allergy, alder cross-reactivity alnus glutinosa, alnus incana allergy, alnus rubra allergy, alnus rhombifolia, alnus viridis ssp sinuata, alnus incana ssp tenuifolia, similar searches with common names

Google: alder allergy; alder allergy, "adverse events"; alnus, "adverse events"; alnus glutinosa, "adverse events"; alnus incana, "adverse events"; Alnus incana ssp tenuifolia; adverse events; alnus rubra, "adverse events"; Alnus incana ssp rugosa ; adverse events; alnus rhombifolia, "adverse events"

Nomenclature

According to ITIS, the scientific name, Alnus glutinosa, is correct and current. Common names are black alder, European alder, and European black alder. Synonyms are Alnus alnus, Betula alnus glutinosa, and Betula glutinosa. The Alnus genus is found in the Betulaceae family.

Parent Product

709 - Pollens - Trees, Alder, Black Alnus glutinosa

Published Data

PMIDs 3296843 and 1715032 reported that pollens from the order Fagales contain cross-reactive allergens. Birch pollen is frequently cited as being highly cross-reactive with alder, hazel, and hornbeam pollen.

PMIDs 9802365 and 2005320 illustrate that the major allergens from birch (Bet v 1), alder (Aln g 1), hazel (Cor a 1), and hornbeam (Car b 1) have been characterized, showing high sequence similarity with each other.

PMID 751527 reports on positive skin prick testing with A. glutinosa and A. incana extracts in tree allergic patients found.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
709_ Int Arch Allergy Appl Immunol 75-300.pdf	6437991	Florvaag, E.	1984
709_ J Allergy Clin Immunol 102-579.pdf	9802365	Niederberger, V.	1998
709_ J Allergy Clin Immunol 87-677.pdf	2005320	Valenta, R.	1991
709_ Mol Immunol 28-897.pdf	1715032	Rohac, M.	1994
883_ Allergy 33-299.pdf	751527	Erickson, N.E.	1978
709_ J Allergy Clin Immunol 87-677.pdf	2005320	Valenta, R.	1991

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 710 - Pollens - Trees, Alder, Mountain (Tag-Slender) Alnus incana

Recommended Common Name Alder, Mountain

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: alder allergy, alnus allergy, alder cross-reactivity alnus glutinosa, alnus incana allergy, alnus rubra allergy, alnus rhombifolia, alnus viridis ssp sinuata, alnus incana ssp tenuifolia, similar searches with common names

Google: alder allergy; alder allergy, "adverse events"; alnus, "adverse events"; alnus glutinosa, "adverse events"; alnus incana, "adverse events"; Alnus incana ssp tenuifolia; adverse events; alnus rubra, "adverse events"; Alnus incana ssp rugosa ; adverse events; alnus rhombifolia, "adverse events"

Nomenclature

According to ITIS, the scientific name, Alnus incana, is correct and current. There is no common name listed. The Alnus genus is found in the Betulaceae family. There are three scientific names associated with Mountain alder: Alnus incana, Alnus incana ssp. tenuifolia, and Alnus viridis ssp. crispa. The Alnus genus is found in the Betulaceae family.

According to PLANTS database, the common name of A. incana is grey alder.

Parent Product

710 - Pollens - Trees, Alder, Mountain (Tag-Slender) Alnus incana

Published Data

PMIDs: 3296843 and 1715032 report that pollens from the order Fagales contain cross-reactive allergens. Birch pollen is frequently cited as being highly cross-reactive with alder, hazel, and hornbeam pollen.

PMIDs 9802365 and 2005320 The major allergens from birch (Bet v 1), alder (Aln g 1), hazel (Cor a 1), and hornbeam (Car b 1) have been characterized, showing high sequence similarity with each other. PMID 751527 reports on positive skin prick testing with A. glutinosa and A. incana extracts in tree allergic patients found.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
709_ Int Arch Allergy Appl Immunol 75-300.pdf	6437991	Florvaag, E.	1984
709_ J Allergy Clin Immunol 102-579.pdf	9802365	Niederberger, V.	1998
709_ J Allergy Clin Immunol 87-677.pdf	2005320	Valenta, R.	1991
709_ Mol Immunol 28-897.pdf	1715032	Rohac, M.	1994
883_ Allergy 33-299.pdf	751527	Erickson, N.E.	1978
709_ J Allergy Clin Immunol 87-677.pdf	2005320	Valenta, R.	1991

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 711 - Pollens - Trees, Alder, Mountain (Tag-Slender) *Alnus tenofolia/incana*

Recommended Common Name Alder, Mountain

Recommended Scientific Name *Alnus incana* ssp. *tenuifolia*.

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: alder allergy, alnus allergy, alder cross-reactivity alnus glutinosa, alnus incana allergy, alnus rubra allergy, alnus rhombifolia, alnus viridis ssp sinuata, alnus incana ssp tenuifolia, similar searches with common names

Google: alder allergy; alder allergy, "adverse events"; alnus, "adverse events"; alnus glutinosa, "adverse events"; alnus incana, "adverse events"; *Alnus incana* ssp *tenuifolia*; adverse events;

alnus rubra, "adverse events"; *Alnus incana* ssp *rugosa* ; adverse events; alnus rhombifolia, "adverse events"

Nomenclature

According to ITIS, the current name of *Alnus tenofolia* is *Alnus incana* ssp. *tenuifolia*. Common names are mountain alder, speckled alder, thinleaf alder. Synonyms are *Alnus americana*, *Alnus incana* var. *occidentalis*, *Alnus incana* var. *virescens*, *Alnus X purpusii*, *alnus rugosa rugosa*, *Alnus tenuifolia*, and *Betula rugosa*. The *Alnus* genus is found in the *Betulaceae* family.

Parent Product

711 - Pollens - Trees, Alder, Mountain (Tag-Slender) *Alnus tenofolia/incana*

Published Data

PMIDs 3296843 and 1715032 reported that pollens from the order Fagales contain cross-reactive allergens. Birch pollen is frequently cited as being highly cross-reactive with alder, hazel, and hornbeam pollen.

PMIDs 9802365 and 2005320 show the major allergens from birch (Bet v 1), alder (Aln g 1), hazel (Cor a 1), and hornbeam (Car b 1) have been characterized, showing high sequence similarity with each other.

PMID 751527 reports on positive skin prick testing with *A. glutinosa* and *A. incana* extracts in tree allergic patients found.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
709_ Int Arch Allergy Appl Immunol 75-300.pdf	6437991	Florvaag, E.	1984
709_ J Allergy Clin Immunol 102-579.pdf	9802365	Niederberger, V.	1998
857_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
709_ Mol Immunol 28-897.pdf	1715032	Rohac, M.	1994
883_ Allergy 33-299.pdf	751527	Erickson, N.E.	1978
709_ J Allergy Clin Immunol 87-677.pdf	2005320	Valenta, R.	1991

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 712 - Pollens - Trees, Alder, Red Alnus rubra

Manufacturers of this Product

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: alder allergy, alnus allergy, alder cross-reactivity alnus glutinosa, alnus incana allergy, alnus rubra allergy, alnus rhombifolia, alnus viridis ssp sinuata, alnus incana ssp tenuifolia, similar searches with common names
Google: alder allergy; alder allergy, "adverse events"; alnus, "adverse events"; alnus glutinosa, "adverse events"; alnus incana, "adverse events"; Alnus incana ssp tenuifolia; adverse events; alnus rubra, "adverse events"; Alnus incana ssp rugosa ; adverse events; alnus rhombifolia, "adverse events"

Nomenclature

According to ITIS, the scientific name, Alnus rubra, is correct and current. Common name is red alder. Synonyms are Alnus oregona, A. oregona var. pinnatisecta. The Alnus genus is found in the Betulaceae family.

Parent Product

712 - Pollens - Trees, Alder, Red Alnus rubra

Published Data

PMIDs 9802365 and 2005320 reported that pollens from the order Fagales contain cross-reactive allergens. Birch pollen is frequently cited as being highly cross-reactive with alder, hazel, and hornbeam pollen. The major allergens from birch (Bet v 1), alder (Aln g 1), hazel (Cor a 1), and hornbeam (Car b 1) have been characterized, showing high sequence similarity with each other.

PMIDs 751527, 3296843, 1715032 reported on positive SPT with A. glutinosa and A. incana extracts in tree allergic patients.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
709_ J Allergy Clin Immunol 102-579.pdf	9802365	Niederberger, V.	1998
709_ J Allergy Clin Immunol 87-677.pdf	2005320	Valenta, R.	1991
857_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
709_ Mol Immunol 28-897.pdf	1715032	Rohac, M.	1994
883_ Allergy 33-299.pdf	751527	Erickson, N.E.	1978

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 713 - Pollens - Trees, Alder, Sitka Alnus sinuata

Recommended Scientific Name Alnus viridis ssp. Sinuate

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: alder allergy, alnus allergy, alder cross-reactivity alnus glutinosa, alnus incana allergy, alnus rubra allergy, alnus rhombifolia, alnus viridis ssp sinuata, alnus incana ssp tenuifolia, similar searches with common names

Google: alder allergy; alder allergy, "adverse events"; alnus, "adverse events"; alnus glutinosa, "adverse events"; alnus incana, "adverse events"; Alnus incana ssp tenuifolia; adverse events; alnus rubra, "adverse events"; Alnus incana ssp rugosa ; adverse events; alnus rhombifolia, "adverse events"

Nomenclature

According to ITIS, the current name of Alnus sinuate is Alnus viridis ssp. sinuate. Common name is Sitka Alder. Synonyms are Alnaster sinuatus, A. alnobetula, A. crispa ssp. laciniata, A. crispa ssp. sinuate, A. sinuate, A. viridis var. sinuate, and Duschekia sinuata. The Alnus genus is found in the Betulaceae family.

Parent Product

713 - Pollens - Trees, Alder, Sitka Alnus sinuata

Published Data

PMIDs 9802365, 2005320 reported that pollens from the order Fagales contain cross-reactive allergens. Birch pollen is frequently cited as being highly cross-reactive with alder, hazel, and hornbeam pollen. The major allergens from birch (Bet v 1), alder (Aln g 1), hazel (Cor a 1), and hornbeam (Car b 1) have been characterized, showing high sequence similarity with each other.

PMIDs 751527, 3296843, 1715032 reported on positive SPT with A. glutinosa and A. incana extracts in tree allergic patients found.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
709_ Int Arch Allergy Appl Immunol 75-300.pdf	6437991	Florvaag, E.	1984
709_ J Allergy Clin Immunol 102-579.pdf	9802365	Niederberger, V.	1998
709_ J Allergy Clin Immunol 87-677.pdf	2005320	Valenta, R.	1991
857_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
709_ Mol Immunol 28-897.pdf	1715032	Rohac, M.	1994
883_ Allergy 33-299.pdf	751527	Erickson, N.E.	1978

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 714 - Pollens - Trees, Alder, Tag-Smooth Alnus rugosa

Recommended Common Name Alder, Speckled

Recommended Scientific Name Alnus incana ssp. rugosa.

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: alder allergy, alnus allergy, alder cross-reactivity alnus glutinosa, alnus incana allergy, alnus rubra allergy, alnus rhombifolia, alnus viridis ssp sinuata, alnus incana ssp tenuifolia, similar searches with common names

Google: alder allergy; alder allergy, "adverse events"; alnus, "adverse events"; alnus glutinosa, "adverse events"; alnus incana, "adverse events"; Alnus incana ssp tenuifolia; adverse events; alnus rubra, "adverse events"; Alnus incana ssp rugosa ; adverse events; alnus rhombifolia, "adverse events"

Nomenclature

According to ITIS, the current name of Alnus rugosa is Alnus incana ssp. rugosa. Common name is speckled alder. Synonyms are Alnus incana var. Americana, A. rugosa, and A. rugosa var. americana. The Alnus genus is found in the Betulaceae family. No scientific names corresponding to smooth or tag alder were found.

Parent Product

714 - Pollens - Trees, Alder, Tag-Smooth Alnus rugosa

Published Data

PMIDs 9802365 and 2005320, reported that pollens from the order Fagales contain cross-reactive allergens. Birch pollen is frequently cited as being highly cross-reactive with alder, hazel, and hornbeam pollen. The major allergens from birch (Bet v 1), alder (Aln g 1), hazel (Cor a 1), and hornbeam (Car b 1) have been characterized, showing high sequence similarity with each other.

PMIDs 751527, 3296843, 1715032 reported on positive SPT with A. glutinosa and A. incana extracts in tree allergic patients.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
709_ Int Arch Allergy Appl Immunol 75-300.pdf	6437991	Florvaag, E.	1984
709_ J Allergy Clin Immunol 102-579.pdf	9802365	Niederberger, V.	1998
709_ J Allergy Clin Immunol 87-677.pdf	2005320	Valenta, R.	1991
857_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
709_ Mol Immunol 28-897.pdf	1715032	Rohac, M.	1994
883_ Allergy 33-299.pdf	751527	Erickson, N.E.	1978

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 715 - Pollens - Trees, Alder, White Alnus rhombifolia

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)

Search Strategy

PubMed: alder allergy, alnus allergy, alder cross-reactivity alnus glutinosa, alnus incana allergy, alnus rubra allergy, alnus rhombifolia, alnus viridis ssp sinuata, alnus incana ssp tenuifolia, similar searches with common names
Google: alder allergy; alder allergy, "adverse events"; alnus, "adverse events"; alnus glutinosa, "adverse events"; alnus incana, "adverse events"; Alnus incana ssp tenuifolia; adverse events; alnus rubra, "adverse events"; Alnus incana ssp rugosa ; adverse events; alnus rhombifolia, "adverse events"

Nomenclature

According to ITIS, the scientific name, Alnus rhombifolia, is correct and current. Common names are rhombie leaf alder and white alder. Synonym is Alnus rhombifolia var. bernardina. The Alnus genus is found in the Betulaceae family.

Parent Product

715 - Pollens - Trees, Alder, White Alnus rhombifolia

Published Data

PMIDs 9802365 and 2005320 reported that pollens from the order Fagales contain cross-reactive allergens. Birch pollen is frequently cited as being highly cross-reactive with alder, hazel, and hornbeam pollen. The major allergens from birch (Bet v 1), alder (Aln g 1), hazel (Cor a 1), and hornbeam (Car b 1) have been characterized, showing high sequence similarity with each other.

PMIDs 751527, 3296843, and 1715032 reported positive SPTs with A. glutinosa and A. incana extracts in tree allergic patients.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
709_ Int Arch Allergy Appl Immunol 75-300.pdf	6437991	Florvaag, E.	1984
709_ J Allergy Clin Immunol 102-579.pdf	9802365	Niederberger, V.	1998
709_ J Allergy Clin Immunol 87-677.pdf	2005320	Valenta, R.	1991
857_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
709_ Mol Immunol 28-897.pdf	1715032	Rohac, M.	1994
883_ Allergy 33-299.pdf	751527	Erickson, N.E.	1978

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 716 - Pollens - Trees, Almond Prunus amygdalus

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: prunus dulcis allergy, prunus dulcis pollen, prunus pollen allergy, almond pollen allergy, almond pollen extract
Google: almond pollen, "adverse events"; almond pollen allergy; prunus dulcis allergy

Nomenclature

According to ITIS, the current name of Prunus amygdalus is Prunus dulcis. Common name is sweet almond. Synonyms are Amygdalus communis, A. dulcis, Prunus amygdalus, and P. communis. The Prunus genus is found in the Rosaceae family.

Parent Product

716 - Pollens - Trees, Almond Prunus amygdalus

Published Data

Several papers (none downloaded) report on allergy to fresh fruits of the Prunus genus (peach, cherry) and vegetables in subjects with pollinosis, especially birch, because of cross-reacting lipid transfer allergens in vegetable foods and pollens. No papers reported specifically on allergy to Prunus dulcis pollen.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 717 - Pollens - Trees, Apple Pyrus malus

Recommended Common Name European crabapple

Recommended Scientific Name Malus sylvestris

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: malus pollen allergy, apple pollen allergy; apple pollen, allergy

Google: apple pollen, "adverse events"; apple pollen allergy; Malus pollen allergy, malus pollen, "adverse events"

Nomenclature

According to ITIS and PLANTS, the current name of Pyrus malus is Malus sylvestris. The common name is European crabapple. Synonyms are Malus malus and Pyrus malus. The Malus genus is found in the Rosaceae family. Several public sources refer to the fruit apple tree as "Malus domesticus", but these sources are not recognized as valid. ITIS or PLANTS did not support the use of this scientific name.

Parent Product

717 - Pollens - Trees, Apple Pyrus malus

Published Data

PMID 2256458 reports that patients with a combined allergy to birch pollen and apple fruit showed positive skin reactions to both birch and apple pollen extract. No other papers reported on allergy to apple pollen.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
717_ Allerg Immunol 36-147.pdf	2256458	Berrens, L.	1990

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 718 - Pollens - Trees, Apricot Prunus armeniaca

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: prunus pollen allergy, prunus armeniaca pollen allergy, prunus armeniaca allergy, prunus dulcis pollen, apricot pollen allergy

Google: apricot pollen, "adverse events"; apricot pollen allergy; prunus armeniaca allergy

Nomenclature

According to ITIS, the scientific name, Prunus armeniaca, is correct and current. Common name is apricot. Synonym is Armeniaca vulgaris. The Prunus genus is found in the Rosaceae family.

Parent Product

718 - Pollens - Trees, Apricot Prunus armeniaca

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 719 - Pollens - Trees, Arbor Vitae, Oriental Thuja orientalis

Recommended Common Name Arborvitae, Oriental

Recommended Scientific Name Platycladus orientalis

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: thuja allergy, thuja orientalis allergy, arborvitae allergy, Cupressaceae allergy, thuja cross-reactivity, Platycladus orientalis allergy

Google: "thuja orientalis", allergy; "thuja orientalis", adverse events; "thuja orientalis", skin test; Platycladus orientalis, "adverse events"

Nomenclature

According to ITIS, the current name of Thuja orientalis is Platycladus orientalis. The common name is oriental arborvitae. Synonyms are Biota orientalis and Thuja orientalis. The Platycladus genus is Cupressaceae family.

Parent Product

719 - Pollens - Trees, Arbor Vitae, Oriental Thuja orientalis

Published Data

Panel I (pg 3151) stated that patients with positive skin tests to Arizona cypress also usually have positive skin tests to other trees, including Thuja occidentalis.

PMID 12940232 reported on allergy and skin test responses to Thuja orientalis. PMIDs 16450568 and 804829 reported on allergy and/or skin test responses to Thuja occidentalis. PMIDs 804829 and 12897724 reported on cross-reactivity between tree pollens in the cypress and thuja genera.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
719_ Allergy Asthma Proc 26-352.pdf	16450568	Deane, P.M.	2005
719_ J Investig Allergol Clin Immunol 12-287.pdf	12940232	Italian Association of	2002
719_ Ann Allergy 34-87.pdf	804829	Yoo, T.J.	1975
773_ AnnAllergy 2-87.pdf	804829	Yoo, T.J.	1975
783_ JACI 112-229.pdf	12897724	Weber, R.W.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 720 - Pollens - Trees, Ash Excelsior Fraxinum excelsior

Recommended Common Name Ash, European

Recommended Scientific Name Fraxinus excelsior

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: ash pollen allergy, ash allergy, Fraxinus excelsior allergy, Fraxinus velutina, Fraxinus nigra, Fraxinus quadrangulata, Fraxinus pennsylvanica, Fraxinus latifolia, Fraxinus Americana allergy

Google: ash pollen allergy; ash pollen extract, "adverse events"; Fraxinus excelsior, "adverse events"; Fraxinus velutina, "adverse events"; Fraxinus nigra, "adverse events"; Fraxinus quadrangulata, "adverse events"; Fraxinus pennsylvanica, "adverse events"; Fraxinus latifolia, "adverse events"; ash pollen "allergenic extract"; ash pollen extract, "SPT", "adverse events"

Nomenclature

According to ITIS and PLANTS, the correct spelling of Fraxinum excelsior is Fraxinus excelsior. The common name is European ash. The Fraxinus genus is found in the Oleaceae family.

Parent Product

720 - Pollens - Trees, Ash Excelsior Fraxinum excelsior

Published Data

Three major allergens of ash Fra e 1, Fra e 2 (a profilin), and Fra e 3 (a calcium binding protein) have been identified. Multiple papers (PMIDs. 9284982, 12221895, 12047442, 15696094) reported on the extensive and high degree of cross-reactivity of ash pollen with the major olive allergen, Ole e 1.

Cross-reactivity of ash pollen with various other pollen species is reported. Papers (PMIDs 11030372, 3296843) reported on skin prick tests positivity and in vitro IgE reactivity of F. excelsior extract, and in vitro IgE reactivity of F. americana extract.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
720_ Allergy 52-829.pdf	9284982	Pajarón, M.J.	1997
720_ Allergy 55-923.pdf	11030372	Hemmer, W.	2000
720_ Allergy Asthma Proc 23-253.pdf	12221895	Lin, R.Y.	2002
720_ Clin Exp Allergy 32-933.pdf	12047442	Niederberger, V.	2002
857_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
720_ J Allergy Clin Immunol 115-351.pdf	15696094	Barderas, R.	2005

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 721 - Pollens - Trees, Ash Fraxinus spp.

Recommended Scientific Name Fraxinus, (species to be specified)

Manufacturers of this Product

- Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
- Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
- ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
- Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: ash pollen allergy, ash allergy, Fraxinus excelsior allergy, Fraxinus velutina, Fraxinus nigra, Fraxinus quadrangulata, Fraxinus pennsylvanica, Fraxinus latifolia, Fraxinus Americana allergy
Google: ash pollen allergy; ash pollen extract, "adverse events"; Fraxinus excelsior, "adverse events"; Fraxinus velutina, "adverse events"; Fraxinus nigra, "adverse events"; Fraxinus quadrangulata, "adverse events"; Fraxinus pennsylvanica, "adverse events"; Fraxinus latifolia, "adverse events"; ash pollen "allergenic extract"; ash pollen extract, "SPT", "adverse events"

Nomenclature

According to ITIS, there is one variety and twenty-two species in the Fraxinus genus. The Fraxinus genus is found in the Oleaceae family.

Parent Product

721 - Pollens - Trees, Ash Fraxinus spp.

Published Data

Three major allergens of ash Fra e 1, Fra e 2 (a profilin), and Fra e 3 (a calcium binding protein) have been identified. Multiple papers (PMIDs. 9284982, 12221895, 12047442, 15696094) reported on the extensive and high degree of cross-reactivity of ash pollen with the major olive allergen, Ole e 1. Cross-reactivity of ash pollen with various other pollen species is reported. Papers (PMIDs 11030372, 3296843) reported on skin prick tests positivity and in vitro IgE reactivity of F. excelsior extract, and in vitro IgE reactivity of F. americana extract.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
720_ Allergy 52-829.pdf	9284982	Pajarón, M.J.	1997
720_ Allergy 55-923.pdf	11030372	Hemmer, W.	2000
720_ Allergy Asthma Proc 23-253.pdf	12221895	Lin, R.Y.	2002
720_ Clin Exp Allergy 32-933.pdf	12047442	Niederberger, V.	2002
720_ J Allergy Clin Immunol 115-351.pdf	15696094	Barderas, R.	2005
857_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 722 - Pollens - Trees, Ash, Arizona (Velvet) Fraxinus velutina

Recommended Common Name Ash, Velvet

Manufacturers of this Product

- Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
- Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
- Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
- ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
- Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
- Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: ash pollen allergy, ash allergy, Fraxinus excelsior allergy, Fraxinus velutina, Fraxinus nigra, Fraxinus quadrangulata, Fraxinus pennsylvanica, Fraxinus latifolia, Fraxinus Americana allergy
Google: ash pollen allergy; ash pollen extract, "adverse events"; Fraxinus excelsior, "adverse events"; Fraxinus velutina, "adverse events"; Fraxinus nigra, "adverse events"; Fraxinus quadrangulata, "adverse events"; Fraxinus pennsylvanica, "adverse events"; Fraxinus latifolia, "adverse events"; ash pollen "allergenic extract"; ash pollen extract, "SPT", "adverse events"

Nomenclature

According to ITIS and PLANTS, the scientific name, Fraxinus velutina, is correct and current. The common name is velvet ash. Synonyms are Fraxinus pennsylvanica ssp. velutina, F. velutina var. coriacea, F. velutina var. glabra, and F. velutina var. tourneyi. The Fraxinus genus is found in the Oleacea family.

Parent Product

722 - Pollens - Trees, Ash, Arizona (Velvet) Fraxinus velutina

Related Products

727 - Pollens - Trees, Ash, Velvet Fraxinus toumeyii

Published Data

Three major allergens of ash Fra e 1, Fra e 2 (a profilin), and Fra e 3 (a calcium binding protein) have been identified. Multiple papers (PMIDs. 9284982, 12221895, 12047442, 15696094) reported on the extensive and high degree of cross-reactivity of ash pollen with the major olive allergen, Ole e 1. Cross-reactivity of ash pollen with various other pollen species is reported. Papers (PMIDs 11030372, 3296843) reported on skin prick tests positivity and in vitro IgE reactivity of F. excelsior extract, and in vitro IgE reactivity of F. americana extract.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
720_ Allergy 52-829.pdf	9284982	Pajarón, M.J.	1997
720_ Allergy 55-923.pdf	11030372	Hemmer, W.	2000
720_ Allergy Asthma Proc 23-253.pdf	12221895	Lin, R.Y.	2002
720_ Clin Exp Allergy 32-933.pdf	12047442	Niederberger, V.	2002
857_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
720_ J Allergy Clin Immunol 115-351.pdf	15696094	Barderas, R.	2005

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 723 - Pollens - Trees, Ash, Black Fraxinus nigra

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: ash pollen allergy, ash allergy, Fraxinus excelsior allergy, Fraxinus velutina, Fraxinus nigra, Fraxinus quadrangulata, Fraxinus pennsylvanica, Fraxinus latifolia, Fraxinus Americana allergy
Google: ash pollen allergy; ash pollen extract, "adverse events"; Fraxinus excelsior, "adverse events"; Fraxinus velutina, "adverse events"; Fraxinus nigra, "adverse events"; Fraxinus quadrangulata, "adverse events"; Fraxinus pennsylvanica, "adverse events"; Fraxinus latifolia, "adverse events"; ash pollen "allergenic extract"; ash pollen extract, "SPT", "adverse events"

Nomenclature

According to ITIS and PLANTS, the scientific name, Fraxinus nigra, is correct and current. The common name is black ash. The Fraxinus genus is found in the Oleaceae family.

Parent Product

723 - Pollens - Trees, Ash, Black Fraxinus nigra

Published Data

Three major allergens of ash Fra e 1, Fra e 2 (a profilin), and Fra e 3 (a calcium binding protein) have been identified. Multiple papers (PMIDs. 9284982, 12221895, 12047442, 15696094) reported on the extensive and high degree of cross-reactivity of ash pollen with the major olive allergen, Ole e 1. Cross-reactivity of ash pollen with various other pollen species is reported. Papers (PMIDs 11030372, 3296843) reported on skin prick tests positivity and in vitro IgE reactivity of F. excelsior extract, and in vitro IgE reactivity of F. americana extract.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
720_ Allergy 52-829.pdf	9284982	Pajarón, M.J.	1997
720_ Allergy 55-923.pdf	11030372	Hemmer, W.	2000
720_ Allergy Asthma Proc 23-253.pdf	12221895	Lin, R.Y.	2002
720_ Clin Exp Allergy 32-933.pdf	12047442	Niederberger, V.	2002
857_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
720_ J Allergy Clin Immunol 115-351.pdf	15696094	Barderas, R.	2005

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 724 - Pollens - Trees, Ash, Blue Fraxinus quadrangulata

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: ash pollen allergy, ash allergy, Fraxinus excelsior allergy, Fraxinus velutina, Fraxinus nigra, Fraxinus quadrangulata, Fraxinus pennsylvanica, Fraxinus latifolia, Fraxinus Americana allergy

Google: ash pollen allergy; ash pollen extract, "adverse events"; Fraxinus excelsior, "adverse events"; Fraxinus velutina, "adverse events"; Fraxinus nigra, "adverse events"; Fraxinus quadrangulata, "adverse events"; Fraxinus pennsylvanica, "adverse events"; Fraxinus latifolia, "adverse events"; ash pollen "allergenic extract"; ash pollen extract, "SPT", "adverse events"

Nomenclature

According to ITIS and PLANTS, the scientific name, Fraxinus quadrangulata, is correct and current. Common name is blue ash. The Fraxinus genus is found in the Oleaceae family.

Parent Product

724 - Pollens - Trees, Ash, Blue Fraxinus quadrangulata

Published Data

Three major allergens of ash Fra e 1, Fra e 2 (a profilin), and Fra e 3 (a calcium binding protein) have been identified. Multiple papers (PMIDs. 9284982, 12221895, 12047442, 15696094) reported on the extensive and high degree of cross-reactivity of ash pollen with the major olive allergen, Ole e 1. Cross-reactivity of ash pollen with various other pollen species is reported. Papers (PMIDs 11030372, 3296843) reported on skin prick tests positivity and in vitro IgE reactivity of F. excelsior extract, and in vitro IgE reactivity of F. americana extract.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
720_ Allergy 52-829.pdf	9284982	Pajarón, M.J.	1997
720_ Allergy 55-923.pdf	11030372	Hemmer, W.	2000
720_ Allergy Asthma Proc 23-253.pdf	12221895	Lin, R.Y.	2002
720_ Clin Exp Allergy 32-933.pdf	12047442	Niederberger, V.	2002
857_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
720_ J Allergy Clin Immunol 115-351.pdf	15696094	Barderas, R.	2005

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 725 - Pollens - Trees, Ash, Green Fraxinus pennsylvanica

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: ash pollen allergy, ash allergy, Fraxinus excelsior allergy, Fraxinus velutina, Fraxinus nigra, Fraxinus quadrangulata, Fraxinus pennsylvanica, Fraxinus latifolia, Fraxinus Americana allergy
Google: ash pollen allergy; ash pollen extract, "adverse events"; Fraxinus excelsior, "adverse events"; Fraxinus velutina, "adverse events"; Fraxinus nigra, "adverse events"; Fraxinus quadrangulata, "adverse events"; Fraxinus pennsylvanica, "adverse events"; Fraxinus latifolia, "adverse events"; ash pollen "allergenic extract"; ash pollen extract, "SPT", "adverse events"

Nomenclature

According to ITIS and PLANTS, the scientific name, Fraxinus pennsylvanica, is correct and current. The common name is green ash. Synonyms are Fraxinus campetris, F. darlingtonii, F. lanceolata, F. pennsylvanica var. austinii, F. pennsylvanica var. integerrima, F. pennsylvanica var. lanceolata, F. pennsylvanica var. subintegerrima, and F. smallii. The Fraxinus genus is found in the Oleaceae family.

Parent Product

725 - Pollens - Trees, Ash, Green Fraxinus pennsylvanica

Published Data

Three major allergens of ash Fra e 1, Fra e 2 (a profilin), and Fra e 3 (a calcium binding protein) have been identified. Multiple papers (PMIDs. 9284982, 12221895, 12047442, 15696094) reported on the extensive and high degree of cross-reactivity of ash pollen with the major olive allergen, Ole e 1. Cross-reactivity of ash pollen with various other pollen species is reported. Papers (PMIDs 11030372, 3296843) reported on skin prick tests positivity and in vitro IgE reactivity of F. excelsior extract, and in vitro IgE reactivity of F. americana extract.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
720_ Allergy 52-829.pdf	9284982	Pajarón, M.J.	1997
720_ Allergy 55-923.pdf	11030372	Hemmer, W.	2000
720_ Allergy Asthma Proc 23-253.pdf	12221895	Lin, R.Y.	2002
720_ Clin Exp Allergy 32-933.pdf	12047442	Niederberger, V.	2002
857_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
720_ J Allergy Clin Immunol 115-351.pdf	15696094	Barderas, R.	2005

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 726 - Pollens - Trees, Ash, Oregon Fraxinus oregona

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: ash pollen allergy, ash allergy, Fraxinus excelsior allergy, Fraxinus velutina, Fraxinus nigra, Fraxinus quadrangulata, Fraxinus pennsylvanica, Fraxinus latifolia, Fraxinus Americana allergy
Google: ash pollen allergy; ash pollen extract, "adverse events"; Fraxinus excelsior, "adverse events"; Fraxinus velutina, "adverse events"; Fraxinus nigra, "adverse events"; Fraxinus quadrangulata, "adverse events"; Fraxinus pennsylvanica, "adverse events"; Fraxinus latifolia, "adverse events"; ash pollen "allergenic extract"; ash pollen extract, "SPT", "adverse events"

Nomenclature

According to ITIS and PLANTS, the current name of Fraxinus oregona is Fraxinus latifolia. The common name is Oregon ash. Synonyms are Fraxinus oregona and Fraxinus pennsylvanica ssp. oregana. The Fraxinus genus is found in the Oleacea family.

Parent Product

726 - Pollens - Trees, Ash, Oregon Fraxinus oregona

Published Data

Three major allergens of ash Fra e 1, Fra e 2 (a profilin), and Fra e 3 (a calcium binding protein) have been identified. Multiple papers (PMIDs. 9284982, 12221895, 12047442, 15696094) reported on the extensive and high degree of cross-reactivity of ash pollen with the major olive allergen, Ole e 1.

Cross-reactivity of ash pollen with various other pollen species is reported. Papers (PMIDs 11030372, 3296843) reported on skin prick tests positivity and in vitro IgE reactivity of F. excelsior extract, and in vitro IgE reactivity of F. americana extract.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
720_ Allergy 52-829.pdf	9284982	Pajarón, M.J.	1997
720_ Allergy 55-923.pdf	11030372	Hemmer, W.	2000
720_ Allergy Asthma Proc 23-253.pdf	12221895	Lin, R.Y.	2002
720_ Clin Exp Allergy 32-933.pdf	12047442	Niederberger, V.	2002
857_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
720_ J Allergy Clin Immunol 115-351.pdf	15696094	Barderas, R.	2005

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 727 - Pollens - Trees, Ash, Velvet Fraxinus toumeyi

Recommended Scientific Name Fraxinus velutina

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: ash pollen allergy, ash allergy, Fraxinus excelsior allergy, Fraxinus velutina, Fraxinus nigra, Fraxinus quadrangulata, Fraxinus pennsylvanica, Fraxinus latifolia, Fraxinus Americana allergy

Google: ash pollen allergy; ash pollen extract, "adverse events"; Fraxinus excelsior, "adverse events"; Fraxinus velutina, "adverse events"; Fraxinus nigra, "adverse events"; Fraxinus quadrangulata, "adverse events"; Fraxinus pennsylvanica, "adverse events"; Fraxinus latifolia, "adverse events"; ash pollen "allergenic extract"; ash pollen extract, "SPT", "adverse events"

Nomenclature

According to ITIS, Fraxinus toumeyi is not listed. There is a Fraxinus velutina var. toumeyi. The current name of this variety is Fraxinus velutina. The common name of Fraxinus velutina is velvet ash.

Parent Product

722 - Pollens - Trees, Ash, Arizona (Velvet) Fraxinus velutina

Related Products

727 - Pollens - Trees, Ash, Velvet Fraxinus toumeyi

Published Data

Three major allergens of ash Fra e 1, Fra e 2 (a profilin), and Fra e 3 (a calcium binding protein) have been identified. Multiple papers (PMIDs. 9284982, 12221895, 12047442, 15696094) reported on the extensive and high degree of cross-reactivity of ash pollen with the major olive allergen, Ole e 1.

Cross-reactivity of ash pollen with various other pollen species is reported. Papers (PMIDs 11030372, 3296843) reported on skin prick tests positivity and in vitro IgE reactivity of F. excelsior extract, and in vitro IgE reactivity of F. americana extract.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 728 - Pollens - Trees, Ash, White Fraxinus americana

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: ash pollen allergy, ash allergy, Fraxinus excelsior allergy, Fraxinus velutina, Fraxinus nigra, Fraxinus quadrangulata, Fraxinus pennsylvanica, Fraxinus latifolia, Fraxinus Americana allergy
Google: ash pollen allergy; ash pollen extract, "adverse events"; Fraxinus excelsior, "adverse events"; Fraxinus velutina, "adverse events"; Fraxinus nigra, "adverse events"; Fraxinus quadrangulata, "adverse events"; Fraxinus pennsylvanica, "adverse events"; Fraxinus latifolia, "adverse events"; ash pollen "allergenic extract"; ash pollen extract, "SPT", "adverse events"

Nomenclature

According to ITIS, the current name, Fraxinus Americana, is correct and current. The common name is white ash. Synonyms are Fraxinus americana var. biltmoreana, F. americana var. crassifolia, F. americana var. juglandifolia, F. americana var. microcarpa, and F. biltmoreana. The Fraxinus genus is found in the Oleaceae family.

Parent Product

728 - Pollens - Trees, Ash, White Fraxinus americana

Published Data

Three major allergens of ash Fra e 1, Fra e 2 (a profilin), and Fra e 3 (a calcium binding protein) have been identified. Multiple papers (PMIDs. 9284982, 12221895, 12047442, 15696094) reported on the extensive and high degree of cross-reactivity of ash pollen with the major olive allergen, Ole e 1.

Cross-reactivity of ash pollen with various other pollen species is reported. Papers (PMIDs 11030372, 3296843) reported on skin prick tests positivity and in vitro IgE reactivity of F. excelsior extract, and in vitro IgE reactivity of F. americana extract.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
720_ Allergy 52-829.pdf	9284982	Pajarón, M.J.	1997
720_ Allergy 55-923.pdf	11030372	Hemmer, W.	2000
720_ Allergy Asthma Proc 23-253.pdf	12221895	Lin, R.Y.	2002
720_ Clin Exp Allergy 32-933.pdf	12047442	Niederberger, V.	2002
857_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
720_ J Allergy Clin Immunol 115-351.pdf	15696094	Barderas, R.	2005
1090_ JAllergyClinImmunol84-465-474.pdf	2794291	Lucas, S.K.	1989

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 729 - Pollens - Trees, Aspen European Populus tremulana

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: aspen allergy, aspen pollen allergy, populus tremula allergy, populus tremuloides allergy, quaking aspen, European aspen

Google : populus tremulus, allergy; populus tremuloides, allergy; populus tremuloides, "adverse events"; populus tremulus, adverse events

Nomenclature

According to ITIS and PLANTS, the correct spelling of Populus tremulana is Populus tremula. The common name is European aspen. The Populus genus is found in the Salicaceae family.

Parent Product

729 - Pollens - Trees, Aspen European Populus tremulana

Published Data

Populus is a genus of trees which includes the cottonwoods, poplars, and aspens. The major allergens have not been identified. PMID 2794291 reported on positive skin prick test to Populus tremula (European aspen) in multiple adult hay fever patients skin tested with various tree pollen extracts.

PMID 1147318 reported positive skin prick test in multiple tree allergic patients to Lombardy poplar (Populus nigra cultivar Italica). PMID 8766742 reported that some patients in an allergic population had positive skin prick test to Populus extracts.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
857_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
729_ Ann Allergy 35 - 113.pdf	1147318	Lewis, W.H.	1975
1090_ JAllergyClinImmunol84-465-474.pdf	2794291	Lucas, S.K.	1989
1003_ Allergol et Immunopathol 24-116.pdf	8766742	Güneser, S.	1996

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 730 - Pollens - Trees, Aspen Populus tremuloides

Recommended Common Name Aspen, Quaking

Manufacturers of this Product

- Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
- Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
- Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
- ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
- Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
- Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: aspen allergy, aspen pollen allergy, populus tremula allergy, populus tremuloides allergy, quaking aspen, European aspen

Google: populus tremulus, allergy; populus tremuloides, allergy; populus tremuloides, "adverse events"; populus tremulus, adverse events

Nomenclature

According to ITIS and PLANTS, the scientific name, Populus tremuloides, is correct and current. The common name is Quaking aspen. The popular name should be specified for this product. Synonyms are Populus aurea, P. cercidiphylla, P. X polygonifolia, P. tremula ssp. tremuloides, P. tremuloides var. aurea, P. tremuloides var. cercidiphylla, P. tremuloides var. intermedia, P. tremuloides var. magnifica, P. tremuloides var. rhomboidea, P. tremuloides var. vancouveriana, and P. vancouveriana. The Populus genus is found in the Salicaceae family.

Parent Product

732 - Pollens - Trees, Aspen, Quaking Populus tremuloides

Related Products

730 - Pollens - Trees, Aspen Populus tremuloides

731 - Pollens - Trees, Aspen, Quaking

Published Data

Populus is a genus of trees which includes the cottonwoods, poplars, and aspens. The major allergens have not been identified. PMID 2794291 reported on positive skin prick test to Populus tremula (European aspen) in multiple adult hay fever patients skin tested with various tree pollen extracts. PMID 1147318 reported positive skin prick test in multiple tree allergic patients to Lombardy poplar (Populus nigra cultivar Italica). PMID 8766742 reported that some patients in an allergic population had positive skin prick test to Populus extracts.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
729_ Ann Allergy 35 - 113.pdf	1147318	Lewis, W.H.	1975
1090_ JAllergyClinImmunol84-465-474.pdf	2794291	Lucas, S.K.	1989
1003_ Allergol et Immunopathol 24-116.pdf	8766742	Güneser, S.	1996

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 731 - Pollens - Trees, Aspen, Quaking

Recommended Scientific Name Populus tremuloides

Manufacturers of this Product

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: aspen allergy, aspen pollen allergy, populus tremula allergy, populus tremuloides allergy, quaking aspen, European aspen

Google : populus tremulus, allergy; populus tremuloides, allergy; populus tremuloides, "adverse events"; populus tremulus, adverse events

Nomenclature

Scientific name for this product was not given. When ITIS is searched with Quaking aspen, the only scientific name is Populus tremuloides. Synonyms are Populus aurea, P. cercidiphylla, P. X polygonifolia, P. tremula ssp. tremuloides, P. tremuloides var. aurea, P. tremuloides var. cercidiphylla, P. tremuloides var. intermedia, P. tremuloides var. magnifica, P. tremuloides var. rhomboidea, P. tremuloides var. vancouveriana, and P. vancouveriana. The Populus genus is found in the Salicaceae family.

Parent Product

732 - Pollens - Trees, Aspen, Quaking Populus tremuloides

Related Products

730 - Pollens - Trees, Aspen Populus tremuloides

731 - Pollens - Trees, Aspen, Quaking

Published Data

Populus is a genus of trees which includes the cottonwoods, poplars, and aspens. The major allergens have not been identified.

PMID 2794291 reported on positive skin prick test to Populus tremula (European aspen) in multiple adult hay fever patients skin tested with various tree pollen extracts. PMID 1147318 reported positive skin prick test in multiple tree allergic patients to Lombardy poplar (Populus nigra cultivar Italica). PMID 8766742 reported that some patients in an allergic population had positive skin prick test to Populus extracts.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
729_ Ann Allergy 35 - 113.pdf	1147318	Lewis, W.H.	1975
1090_ JAllergyClinImmunol84-465-474.pdf	2794291	Lucas, S.K.	1989
1003_ Allergol et Immunopathol 24-116.pdf	8766742	Güneser, S.	1996

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 732 - Pollens - Trees, Aspen, Quaking Populus tremuloides

Manufacturers of this Product

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: aspen allergy, aspen pollen allergy, populus tremula allergy, populus tremuloides allergy, quaking aspen, European aspen

Google: populus tremulus, allergy; populus tremuloides, allergy; populus tremuloides, "adverse events"; populus tremulus, adverse events

Nomenclature

According to ITIS and PLANTS, the scientific name, *Populus tremuloides*, is correct and current. The common name is Quaking aspen. Synonyms are *Populus aurea*, *P. cercidiphylla*, *P. X polygonifolia*, *P. tremula* ssp. *tremuloides*, *P. tremuloides* var. *aurea*, *P. tremuloides* var. *cercidiphylla*, *P. tremuloides* var. *intermedia*, *P. tremuloides* var. *magnifica*, *P. tremuloides* var. *rhomboidea*, *P. tremuloides* var. *vancouveriana*, and *P. vancouveriana*. The *Populus* genus is found in the Salicaceae family.

Parent Product

732 - Pollens - Trees, Aspen, Quaking Populus tremuloides

Related Products

730 - Pollens - Trees, Aspen Populus tremuloides

731 - Pollens - Trees, Aspen, Quaking

Published Data

Populus is a genus of trees which includes the cottonwoods, poplars, and aspens. The major allergens have not been identified. PMID 2794291 reported on positive skin prick test to *Populus tremula* (European aspen) in multiple adult hay fever patients skin tested with various tree pollen extracts. PMID 1147318 reported positive skin prick test in multiple tree allergic patients to Lombardy poplar (*Populus nigra* cultivar *Italica*). PMID 8766742 reported that some patients in an allergic population had positive skin prick test to *Populus* extracts.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
729_ Ann Allergy 35 - 113.pdf	1147318	Lewis, W.H.	1975
1090_ JAllergyClinImmunol84-465-474.pdf	2794291	Lucas, S.K.	1989
1003_ Allergol et Immunopathol 24-116.pdf	8766742	Güneser, S.	1996

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 733 - Pollens - Trees, Bassia

Recommended Scientific Name Bassia hyssopifolia

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: Bassia Bassia hyssopifolia; Bassia and allergy

Google: Bassia

Nomenclature

There is no common name or species identified for this product. According to ITIS and PLANTS, the genus "Bassia" refers to smotherweeds, not trees. Species include B. hirsuta and B. hyssopifolia. This product is incorrectly listed under trees.

Parent Product

733 - Pollens - Trees, Bassia

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 734 - Pollens - Trees, Bayberry (Sweet Gale) Myrica gale

Manufacturers of this Product

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: sweet gale allergy, sweet gale, myrica allergy, myrica cerifera, Morella cerifera, myrica gale, bayberry allergy
Google: sweet gale, "adverse event"; wax myrtle, "adverse event"; myrica cerifera, "adverse event"; "myrica gale", adverse event; "sweet gale" allergy; "wax myrtle" allergy

Nomenclature

According to ITIS and PLANTS, the scientific name, Myrica gale, is correct and current. The common name is sweetgale. Synonyms are Gale palustris, Myrica gale var. subarctica, M. gale var. subglabra, and M. gale var. tomentosa. The Myrica genus is found in the order of Myricaceae.

Parent Product

734 - Pollens - Trees, Bayberry (Sweet Gale) Myrica gale

Published Data

PMID 557937 reported on a forestry worker skin prick test positive to bayberry only who was also treated by immunotherapy. PMID 1527315 reported that 15% of 400 consecutive subjects evaluated for allergic respiratory symptoms in the Tampa Bay area had positive skin prick test to bayberry pollen extract. Nasal and bronchial challenges and skin prick test results between controls and bayberry allergic patients were statistically significant. PMID 751527 reported that of 92 adult patients with springtime allergy investigated with skin tests (ST), nasal provocation tests (NPT) and RAST, positive reactions, often of high intensity, were most often found with birch, alder, and bog-myrtle (Myrica gale).

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
883_ Allergy 33-299.pdf	751527	Erickson, N.E.	1978
734_ Ann Allergy 38-252.pdf	557937	Prince, H.E.	1977
734_ J Allergy Clin Immunol 90-312.pdf	1527315	Jacinto, C.M.	1992

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 735 - Pollens - Trees, Bayberry Myrica cerifera

Recommended Common Name Myrtle, Wax

Recommended Scientific Name Morella cerifera

Manufacturers of this Product

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: sweet gale allergy, sweet gale, myrica allergy, myrica cerifera, Morella cerifera, myrica gale, bayberry allergy
Google: sweet gale, "adverse event"; wax myrtle, "adverse event"; myrica cerifera, "adverse event"; "myrica gale", adverse event; "sweet gale" allergy; "wax myrtle" allergy

Nomenclature

According to ITIS and PLANTS, the current name of Myrica cerifera is is Morella cerifera. Bayberry is a generic common name, referring to the general family of trees. The common names are wax myrtle or waxmyrtle. Synonyms are Cerothamnus ceriferus, Cerothamnus pumilus, Myrica cerifera, Myrica cerifera var. pumila, and Myrica pusilla. The Morella genus is Myricaceae family.

Parent Product

1041 - Pollens - Trees, Wax Myrtle, Myrica cerifera

Related Products

735 - Pollens - Trees, Bayberry Myrica cerifera

Published Data

PMID 557937 reported on a forestry worker skin prick test positive to bayberry only who was also treated by immunotherapy. PMID 1527315 reported that 15% of 400 consecutive subjects evaluated for allergic respiratory symptoms in the Tampa Bay area had positive skin prick test to bayberry pollen extract. Nasal and bronchial challenges and skin prick test results between controls and bayberry allergic patients were statistically significant.

PMID 751527 reported that of 92 adult patients with springtime allergy investigated with skin tests (ST), nasal provocation tests (NPT) and RAST, positive reactions, often of high intensity, were most often found with birch, alder, and bog-myrtle (Myrica gale).

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
883_ Allergy 33-299.pdf	751527	Erickson, N.E.	1978
734_ Ann Allergy 38-252.pdf	557937	Prince, H.E.	1977
734_ J Allergy Clin Immunol 90-312.pdf	1527315	Jacinto, C.M.	1992

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 736 - Pollens - Trees, Bayberry Myrica spp.

Recommended Scientific Name Myrica, (species to be specified)

Manufacturers of this Product

- Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
- Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
- Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)
- Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: sweet gale allergy, sweet gale, myrica allergy, myrica cerifera, Morella cerifera, myrica gale, bayberry allergy
Google: sweet gale, "adverse event"; wax myrtle, "adverse event"; myrica cerifera, "adverse event"; "myrica gale", adverse event; "sweet gale" allergy; "wax myrtle" allergy

Nomenclature

According to ITIS, there is one variety and three species of Myrica. The scientific and common names need to be updated. The Myrica genus is found in the Myricaceae family.

Parent Product

736 - Pollens - Trees, Bayberry Myrica spp.

Published Data

PMID 557937 reported on a forestry worker skin prick test positive to bayberry only who was also treated by immunotherapy.

PMID 1527315 reported that 15% of 400 consecutive subjects evaluated for allergic respiratory symptoms in the Tampa Bay area had positive skin prick test to bayberry pollen extract. Nasal and bronchial challenges and skin prick test results between controls and bayberry allergic patients were statistically significant.

PMID 751527 reported that of 92 adult patients with springtime allergy investigated with skin tests (ST), nasal provocation tests (NPT) and RAST, positive reactions, often of high intensity, were most often found with birch, alder, and bog-myrtle (Myrica gale).

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
883_ Allergy 33-299.pdf	751527	Erickson, N.E.	1978
734_ Ann Allergy 38-252.pdf	557937	Prince, H.E.	1977
734_ J Allergy Clin Immunol 90-312.pdf	1527315	Jacinto, C.M.	1992

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 737 - Pollens - Trees, Beech, American Fagus americana

Recommended Scientific Name Fagus grandifolia

Manufacturers of this Product

- Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
- Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
- Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)
- Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: fagus grandifolia allergy, fagus sylvatica allergy, beech allergy
Google: fagus grandifolia, "adverse events"; fagus sylvatica, "adverse events"; "fagus sylvatica", allergy; "fagus grandifolia", allergy; beech pollen, "adverse events"

Nomenclature

According to ITIS, the current name of Fagus americana is Fagus grandifolia. The common name is American Beech. Synonyms are Fagus americana, F. ferruginea, F. grandifolia var. caroliniana, F. grandifolia ssp. heterophylla. The Fagus genus is found in the Fageaceae family.

Parent Product

738 - Pollens - Trees, Beech, American Fagus grandifolia

Related Products

737 - Pollens - Trees, Beech, American Fagus americana

Published Data

PMIDs 3296843 and 751527 report that pollens from the order Fagales contain cross-reactive allergens.

PMIDs 751527 and 8766742 reported several skin prick tests, RAST and/or nasal provocation positive patients to F. sylvatica extracts. These papers also reported a high degree of cross-reactivity between F. sylvatica extracts and other Fagales extracts such as birch, hazel, and alder.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
857_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
883_ Allergy 33-299.pdf	751527	Erickson, N.E.	1978
1003_ Allergol et Immunopathol 24-116.pdf	8766742	Güneser, S.	1996
883_ Allergy 33-299.pdf	751527	Erickson, N.E.	1978

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 738 - Pollens - Trees, Beech, American Fagus grandifolia

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: fagus grandifolia allergy, fagus sylvatica allergy, beech allergy
Google: fagus grandifolia, "adverse events"; fagus sylvatica, "adverse events"; "fagus sylvatica", allergy; "fagus grandifolia", allergy; beech pollen, "adverse events"

Nomenclature

According to ITIS, the scientific name, Fagus grandifolia, is correct and current. The common name is American Beech. Synonyms are Fagus americana, F. ferruginea, F. grandifolia var. caroliniana, F. grandifolia ssp. heterophylla. The Fagus genus is found in the Fagaceae family.

Parent Product

738 - Pollens - Trees, Beech, American Fagus grandifolia

Related Products

737 - Pollens - Trees, Beech, American Fagus americana

Published Data

PMIDs 3296843 and 751527 report that pollens from the order Fagales contain cross-reactive allergens. PMIDs 751527 and 8766742 reported several skin prick tests, RAST and/or nasal provocation positive patients to F. sylvatica extracts. These papers also reported a high degree of cross-reactivity between F. sylvatica extracts and other Fagales extracts such as birch, hazel, and alder.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
857_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
738_ Allergy 33-299.pdf	751527	Erickson, N.E.	1978
1003_ Allergol et Immunopathol 24-116.pdf	8766742	Güneser, S.	1996

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 739 - Pollens - Trees, Beech, European Fagus sylvatica

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: fagus grandifolia allergy, fagus sylvatica allergy, beech allergy

Google: fagus grandifolia, "adverse events"; fagus sylvatica, "adverse events"; "fagus sylvatica", allergy; "fagus grandifolia", allergy; beech pollen, "adverse events"

Nomenclature

According to ITIS, the scientific name, Fagus sylvatica, is correct and current. The common name is European beech. The synonym is Fagus sylvatica var. atropunicea. The Fagus genus is found in the Fagaceae family.

Parent Product

739 - Pollens - Trees, Beech, European Fagus sylvatica

Published Data

PMIDs 3296843 and 751527 report that pollens from the order Fagales contain cross-reactive allergens. PMIDs 751527 and 8766742 reported several skin prick test, RAST and/or nasal provocation positive patients to F. sylvatica extracts. These papers also reported a high degree of cross-reactivity between F. sylvatica extracts and other Fagales extracts such as birch, hazel, and alder.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
857_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
883_ Allergy 33-299.pdf	751527	Erickson, N.E.	1978
1003_ Allergol et Immunopathol 24-116.pdf	8766742	Güneser, S.	1996

<u>Panels:</u>	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 740 - Pollens - Trees, Beech, Hornbeam Carpinus caroliniana

Recommended Common Name Hornbeam, American

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Search Strategy

PubMed: carpinus allergy, carpinus caroliniana, carpinus betulus, hornbeam pollen allergy

Google: carpinus caroliniana allergy; carpinus caroliniana, "adverse events"; american hornbeam, "adverse events"; "american hornbeam", adverse events

Nomenclature

According to ITIS, the scientific name, Carpinus caroliniana, is correct and current. Common names are American hornbeam and american hornbean. The Carpinus genus is found in the Betulaceae family. Beech and hornbeams are in a different genus. Beech trees are in the genus - Fagus whereas Birch trees are in the genus Carpinus. There are two other products with a similar name, (DUPLICATES: Product 760 - Pollens - Trees, Blue Beech (Am. Hornbeam) Carpinus carolineana and Product 858 - Pollens - Trees, Hornbeam, American Carpinus carolineana)

Parent Product

858 - Pollens - Trees, Hornbeam, American Carpinus carolineana

Related Products

740 - Pollens - Trees, Beech, Hornbeam Carpinus caroliniana

760 - Pollens - Trees, Blue Beech (Am. Hornbeam) Carpinus carolineana

Published Data

Several papers (PMIDs 9802365, 2005320, 1715032) reported that pollens from the order Fagales contain cross-reactive allergens. Birch pollen is frequently cited as being highly cross-reactive with alder, hazel, and hornbeam pollen. The major allergens from birch (Bet v 1), alder (Aln g 1), hazel (Cor a 1), and hornbeam (Car b 1) have been characterized, showing high sequence similarity (up to 80.5 - 83%) with each other. Some papers estimate approximately 95% of patients allergic to tree pollens from the order Fagales display IgE binding to these 4 allergens. Multiple papers reported on extensive in vitro cross-reactivity to birch, alder, hornbeam and hazelnut. PMIDs 9802365 and 1715032 reported on patients with positive skin prick test reactions to European hornbeam (Carpinus betulus) extracts who also had positive skin prick tests to pollen extracts from various other tree pollen extracts.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
709_ J Allergy Clin Immunol 102-579.pdf	9802365	Niederberger, V.	1998
709_ J Allergy Clin Immunol 87-677.pdf	2005320	Valenta, R.	1991
709_ Mol Immunol 28-897.pdf	1715032	Rohac, M.	1994

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 741 - Pollens - Trees, Beefwood-Australian Pine Casuarina equisetifolia

Recommended Common Name Pine, Australian

Recommended Scientific Name Casuarina equisetifolia

Manufacturers of this Product

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

Pubmed: Casuarina + allergy

Google: Casuarina + allergy

<http://www.immunocapinvitrosight.com/>

Nomenclature

According to ITIS, the correct spelling of Casuarina equisetifolia is Casuarina equisetifolia. Common names are Australian pine, beach sheoak, common ironwood. The scientific and common names need to be updated. Synonym is Casuarina litorea. The Casuarina genus is found in the Casuarinaceae family.

Parent Product

969 - Pollens - Trees, Pine, Australian (Beefwood) Casuarina equisetifolia

Related Products

741 - Pollens - Trees, Beefwood-Australian Pine Casuarina equisetifolia

Published Data

Skin prick tests and in vitro tests in these patients have confirmed specific IgE to Australian Pine tree pollen in the serum. Two clinical (PMID 3605799, 9062624) studies report on positive skin prick test, nasal or bronchial provocation and/or RAST with C. equisetifolia extract.

PMID 9062624, An aeroallergen clinical study determining the prevalence of sensitization to Casuarina pollen. Prevalence was determined by skin prick testing (SPT) 210 non-atopic subjects. Of the six subjects that were SPT positive, five subjects were also positive using specific IgE RAST.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
969_ Allergy 52-11.pdf.pdf	9062624	Garcia, J.J.	1997
969_ Ann Allergy 59-52.pdf.pdf	3605799	Bucholtz, G.A.	1987
969_ Allergy 52-11.pdf.pdf	9062624	Garcia, J.J.	1997

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 742 - Pollens - Trees, Birch Betula spp.

Recommended Scientific Name Betula, (species to be specified)

Manufacturers of this Product

- Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
- Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
- Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: birch allergens; Betula

Google: birch allergy; birch allergy adverse; birch allergen; birch allergen adverse; same search results performed for Betula

Nomenclature

According to ITIS, there are three varieties, two subspecies, and 31 species within the Betula genus. The Betula genus is found in the Betulaceae family. PLANTs database lists Birch in the Order Fagales, Family Betulaceae, Birch family, Genus Betula L. birch.

Parent Product

742 - Pollens - Trees, Birch Betula spp.

Published Data

PMIDs 3296843 and 751527 report that pollens from the order Fagales contain cross-reactive allergens.

PMIDs 751527 and 8766742 reported several skin prick tests, RAST and/or nasal provocation positive patients to *F. sylvatica* extracts. These papers also reported a high degree of cross-reactivity between Betula extracts and other Fagales extracts such as beech, hazel, and alder.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
857_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
883_ Allergy 33-299.pdf	751527	Erickson, N.E.	1978
1003_ Allergol et Immunopathol 24-116.pdf	8766742	Güneser, S.	1996

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 743 - Pollens - Trees, Birch, Black Betula lenta

Recommended Common Name Birch, Sweet

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: Black birch allergens; Sweet birch, sweet cherry allergens

Google: Black birch allergy; Black birch allergy adverse; Black birch allergen; Black birch allergen adverse; same search results performed for Betula lenta

Nomenclature

According to ITIS, the scientific name, Betula lenta, is correct and current. Common name is sweet birch. The Betula genus is found in the Betulaceae family. PLANTS database indicates that this product is in the Family Betulaceae, Birch, family; Genus Betula L., birch; Species Betula lenta L., sweet birch with common names: Black Birch and Cherry Birch.

Parent Product

743 - Pollens - Trees, Birch, Black Betula lenta

Related Products

744 - Pollens - Trees, Birch, Black-Sweet Betula lenta

745 - Pollens - Trees, Birch, Cherry Betula lenta

753 - Pollens - Trees, Birch, Sweet (Cherry) Betula lenta

Published Data

PMIDs 3296843 and 751527 report that pollens from the order Fagales contain cross-reactive allergens.

PMIDs 751527 and 8766742 reported several skin prick tests, RAST and/or nasal provocation positive patients to Betula extracts. These papers also reported a high degree of cross-reactivity between Betula extracts and other Fagales extracts such as beech, hazel, and alder.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
857_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
883_ Allergy 33-299.pdf	751527	Erickson, N.E.	1978
1003_ Allergol et Immunopathol 24-116.pdf	8766742	Güneser, S.	1996

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 744 - Pollens - Trees, Birch, Black-Sweet Betula lenta

Recommended Common Name Birch, Sweet

Manufacturers of this Product

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: Black birch allergens; Sweet birch, sweet cherry

Google: Black birch allergy; Black birch allergy adverse; Black birch allergen; Black birch allergen adverse; same search results performed for Betula lenta

Nomenclature

According to PLANT database and ITIS; Family Betulaceae – Birch, family, Genus Betula L. – birch, Species Betula lenta L. – sweet birch with common names: Black Birch and Cherry Birch

Parent Product

743 - Pollens - Trees, Birch, Black Betula lenta

Related Products

744 - Pollens - Trees, Birch, Black-Sweet Betula lenta

745 - Pollens - Trees, Birch, Cherry Betula lenta

753 - Pollens - Trees, Birch, Sweet (Cherry) Betula lenta

Published Data

PMIDs 3296843 and 751527 report that pollens from the order Fagales contain cross-reactive allergens. PMIDs 751527 and 8766742 reported several skin prick tests, RAST and/or nasal provocation positive patients to Betula extracts. These papers also reported a high degree of cross-reactivity between Betula extracts and other Fagales extracts such as beech, hazel, and alder.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
857_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
883_ Allergy 33-299.pdf	751527	Erickson, N.E.	1978
1003_ Allergol et Immunopathol 24-116.pdf	8766742	Güneser, S.	1996

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 745 - Pollens - Trees, Birch, Cherry Betula lenta

Recommended Common Name Birch, Sweet

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)

Search Strategy

PubMed: Black birch allergens; Sweet birch; sweet cherry

Google: Cherry birch allergy; Cherry birch allergy adverse; Cherry birch allergen; Cherry birch allergen adverse; same search results performed for Betula lenta

Nomenclature

According to PLANT database and ITIS; Family Betulaceae – Birch, family, Genus Betula L. – birch, Species Betula lenta L. – sweet birch with common names: Black Birch and Cherry Birch

Parent Product

743 - Pollens - Trees, Birch, Black Betula lenta

Related Products

744 - Pollens - Trees, Birch, Black-Sweet Betula lenta

745 - Pollens - Trees, Birch, Cherry Betula lenta

753 - Pollens - Trees, Birch, Sweet (Cherry) Betula lenta

Published Data

PMIDs 3296843 and 751527 report that pollens from the order Fagales contain cross-reactive allergens. PMIDs 751527 and 8766742 reported several skin prick tests, RAST and/or nasal provocation positive patients to Betula extracts. These papers also reported a high degree of cross-reactivity between Betula extracts and other Fagales extracts such as beech, hazel, and alder.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
857_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
883_ Allergy 33-299.pdf	751527	Erickson, N.E.	1978
1003_ Allergol et Immunopathol 24-116.pdf	8766742	Güneser, S.	1996

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 746 - Pollens - Trees, Birch, Gray Betula populifornica

Recommended Scientific Name Betula populifolia

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Betula populifolia

Google: Cherry birch allergy; Cherry birch allergy adverse; Cherry birch allergen; Cherry birch allergen adverse; same search results performed for Betula lenta

Nomenclature

According to ITIS, the correct spelling of Betula populifornica Betula populifolia. The common name is gray birch. The Betula genus is found in the Betulaceae family. According to PLANTS database, the correct spelling is Betula populifolia, Family Betulaceae – Birch family, Genus Betula L. – birch, species Betula populifolia Marsh. – gray birch

Parent Product

746 - Pollens - Trees, Birch, Gray Betula populifornica

Published Data

PMIDs 3296843 and 751527 report that pollens from the order Fagales contain cross-reactive allergens.

PMIDs 751527 and 8766742 reported several skin prick tests, RAST and/or nasal provocation positive patients to Betula extracts. These papers also reported a high degree of cross-reactivity between Betula extracts and other Fagales extracts such as beech, hazel, and alder.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
857_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
883_ Allergy 33-299.pdf	751527	Erickson, N.E.	1978
1003_ Allergol et Immunopathol 24-116.pdf	8766742	Güneser, S.	1996

<u>Panels:</u>	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 747 - Pollens - Trees, Birch, Mix Betula spp.

Recommended Scientific Name Betula, (species to be specified)

Manufacturers of this Product

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)

Search Strategy

PubMed: birch allergens; Betula

Google: birch allergy; birch allergy adverse; birch allergen; birch allergen adverse; same search results performed for Betula

Nomenclature

According to ITIS, there are three varieties, two subspecies, and 31 species within the Betula genus. The Betula genus is found in the Betulaceae family. PLANTs database lists Birch in the Order Fagales, Family Betulaceae, Birch family, Genus Betula L. birch.

Parent Product

747 - Pollens - Trees, Birch, Mix Betula spp.

Published Data

PMIDs 3296843 and 751527 report that pollens from the order Fagales contain cross-reactive allergens. PMIDs 751527 and 8766742 reported several skin prick tests, RAST and/or nasal provocation positive patients to Betula extracts. These papers also reported a high degree of cross-reactivity between Betula extracts and other Fagales extracts such as beech, hazel, and alder.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
857_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
883_ Allergy 33-299.pdf	751527	Erickson, N.E.	1978
1003_ Allergol et Immunopathol 24-116.pdf	8766742	Güneser, S.	1996

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 748 - Pollens - Trees, Birch, Paper Betula papyrifera

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Betula papyrifera
Google: Paper birch allergy; Paper birch allergy adverse; Paper birch allergen; Paper birch allergen adverse; same search results performed for Betula papyrifera

Nomenclature

According to ITIS, the scientific name, Betula papyifera, is correct and current. The common name is paper birch. Four varieties of B. papyrifera listed: commutate, cordifolia, kenaica, and papyrifera. The Betula genus is found in the Betulaceae.

Parent Product

748 - Pollens - Trees, Birch, Paper Betula papyrifera

Published Data

PMIDs 3296843 and 751527 report that pollens from the order Fagales contain cross-reactive allergens. PMIDs 751527 and 8766742 reported several skin prick tests, RAST and/or nasal provocation positive patients to Betula extracts. These papers also reported a high degree of cross-reactivity between Betula extracts and other Fagales extracts such as beech, hazel, and alder.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
857_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
883_ Allergy 33-299.pdf	751527	Erickson, N.E.	1978
1003_ Allergol et Immunopathol 24-116.pdf	8766742	Güneser, S.	1996

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 749 - Pollens - Trees, Birch, Red Betula rubra

Recommended Scientific Name Betula, (species to be specified)

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: red birch allergens; sweet birch allergen

Google: red birch allergy; red birch allergy adverse; red birch allergen; red birch allergen adverse; same search results performed for Betula rubra

Nomenclature

The Betula genus is found in the Betulaceae family. Neither PLANTS database nor ITIS lists Betula rubra or red birch.

Parent Product

749 - Pollens - Trees, Birch, Red Betula rubra

Published Data

PMIDs 3296843 and 751527 report that pollens from the order Fagales contain cross-reactive allergens. PMIDs 751527 and 8766742 reported several skin prick tests, RAST and/or nasal provocation positive patients to Betula extracts. These papers also reported a high degree of cross-reactivity between Betula extracts and other Fagales extracts such as beech, hazel, and alder.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
857_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
883_ Allergy 33-299.pdf	751527	Erickson, N.E.	1978
1003_ Allergol et Immunopathol 24-116.pdf	8766742	Güneser, S.	1996

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 750 - Pollens - Trees, Birch, River Betula nigra

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: betula nigra and (asthma or allergen or allergy or rhinitis or sinusitis or skin tests or immunotherapy or dermatitis); river birch allergen

Google: river birch allergy; river birch allergy adverse; river birch allergen; river birch allergen adverse; same search results performed for Betula nigra

Nomenclature

According to ITIS, the scientific name, Betula nigra, is correct and current. Common name is river birch. The Betula genus is found in the Betulaceae family.

Parent Product

750 - Pollens - Trees, Birch, River Betula nigra

Published Data

PMIDs 3296843 and 751527 report that pollens from the order Fagales contain cross-reactive allergens. PMIDs 751527 and 8766742 reported several skin prick tests, RAST and/or nasal provocation positive patients to Betula extracts. These papers also reported a high degree of cross-reactivity between Betula extracts and other Fagales extracts such as beech, hazel, and alder.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
857_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
883_ Allergy 33-299.pdf	751527	Erickson, N.E.	1978
1003_ Allergol et Immunopathol 24-116.pdf	8766742	Güneser, S.	1996

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 751 - Pollens - Trees, Birch, Spring Betula fontinalis

Recommended Common Name Birch, Water

Recommended Scientific Name Betula occidentalis

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)

Search Strategy

PubMed: Betula occidentalis and (asthma or allergen or allergy or rhinitis or sinusitis or skin tests or immunotherapy or dermatitis); water birch and (asthma or allergen or allergy or rhinitis or sinusitis or skin tests or immunotherapy or dermatitis); Betula fontinalis and (asthma or allergen or allergy or rhinitis or sinusitis or skin tests or immunotherapy or dermatitis)
Google: Spring birch allergy; Spring birch allergy adverse; Spring birch allergen; Spring birch allergen adverse; same search results performed for Betula fontinalis

Nomenclature

According to ITIS, the current scientific name of Betula fontinalis is Betula occidentalis. The common name is water birch. Synonyms are Betula beeniana, B. fontinalis, B. occidentalis var. inopina, B. papyrifera ssp. occidentalis, B. papyrifera var. occidentalis. The Betula genus is found in the Betulaceae family. According to PLANTS database the order is Fagales, the family is Betulaceae, the genus is Betula, and the species is Betula occidentalis. Synonyms are Betula beeniana, Betula, Betula occidentalis var. inopina, Betula papyrifera ssp. occidentalis, Betula papyrifera var. occidentalis. The accepted name is Betula occidentalis and common name is water birch.

Parent Product

752 - Pollens - Trees, Birch, Spring Betula occidentalis

Related Products

751 - Pollens - Trees, Birch, Spring Betula fontinalis

Published Data

PMIDs 3296843 and 751527 report that pollens from the order Fagales contain cross-reactive allergens. PMIDs 751527 and 8766742 reported several skin prick tests, RAST and/or nasal provocation positive patients to Betula extracts. These papers also reported a high degree of cross-reactivity between Betula extracts and other Fagales extracts such as beech, hazel, and alder.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
857_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
883_ Allergy 33-299.pdf	751527	Erickson, N.E.	1978
1003_ Allergol et Immunopathol 24-116.pdf	8766742	Güneser, S.	1996

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 752 - Pollens - Trees, Birch, Spring Betula occidentalis

Recommended Common Name Birch, Water

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Betula occidentalis and (asthma or allergen or allergy or rhinitis or sinusitis or skin tests or immunotherapy or dermatitis); water birch and (asthma or allergen or allergy or rhinitis or sinusitis or skin tests or immunotherapy or dermatitis); Betula fontinalis and (asthma or allergen or allergy or rhinitis or sinusitis or skin tests or immunotherapy or dermatitis)

Google: Spring birch allergy; Spring birch allergy adverse; Spring birch allergen; Spring birch allergen adverse; same search results performed for Betula occidentalis

Nomenclature

According to ITIS, the scientific name, Betula occidentalis, is correct and current. The common name is water birch. Synonyms are Betula beeniana, B. fontinalis, B. occidentalis var. inopina, B. papyrifera ssp. occidentalis, B. papyrifera var. occidentalis. The Betula genus is found in the Betulaceae family. According to PLANTS database the order is Fagales, the family is Betulaceae, the genus is Betula, and the species is Betula occidentalis. Synonyms are Betula beeniana, Betula, Betula occidentalis var. inopina, Betula papyrifera ssp. occidentalis, Betula papyrifera var. occidentalis..

Parent Product

752 - Pollens - Trees, Birch, Spring Betula occidentalis

Related Products

751 - Pollens - Trees, Birch, Spring Betula fontinalis

Published Data

PMIDs 3296843 and 751527 report that pollens from the order Fagales contain cross-reactive allergens. PMIDs 751527 and 8766742 reported several skin prick tests, RAST and/or nasal provocation positive patients to Betula extracts. These papers also reported a high degree of cross-reactivity between Betula extracts and other Fagales extracts such as beech, hazel, and alder.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
857_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
883_ Allergy 33-299.pdf	751527	Erickson, N.E.	1978
1003_ Allergol et Immunopathol 24-116.pdf	8766742	Güneser, S.	1996

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 753 - Pollens - Trees, Birch, Sweet (Cherry) Betula lenta

Manufacturers of this Product

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Black birch allergens; Sweet birch; sweet cherry

Google: Cherry birch allergy; Cherry birch allergy adverse; Cherry birch allergen; Cherry birch allergen adverse; same search results performed for Betula lenta

Nomenclature

According to ITIS, the scientific name, Betula lenta, is correct and current. The common name is sweet birch. The Betula genus is found in the Betulaceae family. According to PLANTS database, the family is Betulaceae, genus is Betula, and the species is lenta. Common names are Black Birch and Cherry Birch.

Parent Product

743 - Pollens - Trees, Birch, Black Betula lenta

Related Products

744 - Pollens - Trees, Birch, Black-Sweet Betula lenta

745 - Pollens - Trees, Birch, Cherry Betula lenta

753 - Pollens - Trees, Birch, Sweet (Cherry) Betula lenta

Published Data

PMIDs 3296843 and 751527 report that pollens from the order Fagales contain cross-reactive allergens. PMIDs 751527 and 8766742 reported several skin prick tests, RAST and/or nasal provocation positive patients to Betula extracts. These papers also reported a high degree of cross-reactivity between Betula extracts and other Fagales extracts such as beech, hazel, and alder.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
857_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
883_ Allergy 33-299.pdf	751527	Erickson, N.E.	1978
1003_ Allergol et Immunopathol 24-116.pdf	8766742	Güneser, S.	1996

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 754 - Pollens - Trees, Birch, White (Gray) Betula populifolia

Recommended Common Name Birch, Gray

Manufacturers of this Product

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Betula populifolia and (asthma or allergen or allergy or rhinitis or sinusitis or skin tests or immunotherapy or dermatitis); gray birch and (asthma or allergen or allergy or rhinitis or sinusitis or skin tests or immunotherapy or dermatitis); white birch and (asthma or allergen or allergy or rhinitis or sinusitis or skin tests or immunotherapy or dermatitis)

Google: white birch allergy; white birch allergy adverse; white birch allergen; white birch allergen adverse; same search results performed for Betula populifolia

Nomenclature

According to ITIS, the scientific name, Betula populifolia, is correct and current. The common name is gray birch. The Betula genus is found in the Betulaceae family. According to PLANTS database, the order is Fagales, the family is Betulaceae, the genus is Betula, and the species is Betula populifolia. Common name should be gray birch and not white birch. White birch is a common name associated with the latin name, Betula papyrifera.

Parent Product

754 - Pollens - Trees, Birch, White (Gray) Betula populifolia

Related Products

757 - Pollens - Trees, Birch, White Betula populifolia

Published Data

PMIDs 3296843 and 751527 report that pollens from the order Fagales contain cross-reactive allergens. PMIDs 751527 and 8766742 reported several skin prick tests, RAST and/or nasal provocation positive patients to Betula extracts. These papers also reported a high degree of cross-reactivity between Betula extracts and other Fagales extracts such as beech, hazel, and alder.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
857_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
883_ Allergy 33-299.pdf	751527	Erickson, N.E.	1978
1003_ Allergol et Immunopathol 24-116.pdf	8766742	Güneser, S.	1996

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 755 - Pollens - Trees, Birch, White (Weeping) Betula pendula

Recommended Common Name Birch, European White

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Betula pendula and (asthma or allergen or allergy or rhinitis or sinusitis or skin tests or immunotherapy or dermatitis); Betula verrucosa and (asthma or allergen or allergy or rhinitis or sinusitis or skin tests or immunotherapy or dermatitis)

Google: white birch allergy; white birch allergy adverse; white birch allergen; white birch allergen adverse; same search results performed for Betula pendula

Nomenclature

According to ITIS, the scientific name, is Betula pendula, is correct and current. The common name is European white birch. Synonym is Betula verrucosa. The Betula genus is found in the Betulaceae family. According to PLANTS database, the order is Fagales, the family is Betulaceae, the genus is Betula, and the species is Betula pendula. The common name is European white birch. Synonym is Betula verrucosa. The common name should be changed to European white birch.

Parent Product

755 - Pollens - Trees, Birch, White (Weeping) Betula pendula

Published Data

PMIDs 3296843 and 751527 report that pollens from the order Fagales contain cross-reactive allergens.

PMIDs 751527 and 8766742 reported several skin prick tests, RAST and/or nasal provocation positive patients to Betula extracts. These papers also reported a high degree of cross-reactivity between Betula extracts and other Fagales extracts such as beech, hazel, and alder.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
857_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
883_ Allergy 33-299.pdf	751527	Erickson, N.E.	1978
1003_ Allergol et Immunopathol 24-116.pdf	8766742	Güneser, S.	1996

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 756 - Pollens - Trees, Birch, White Betula alba

Recommended Common Name Birch, Downy

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Betula allergens

Google: white birch allergy; white birch allergy adverse; white birch allergen; white birch allergen adverse; same search results performed for Betula alba

Nomenclature

According to ITIS, the current name of Betula alba is Betula pubescens. The common name is downy birch. Synonym is Betula alba. The Betula genus is found in the Betulaceae family

Parent Product

756 - Pollens - Trees, Birch, White Betula alba

Published Data

PMIDs 3296843 and 751527 report that pollens from the order Fagales contain cross-reactive allergens.

PMIDs 751527 and 8766742 reported several skin prick tests, RAST and/or nasal provocation positive patients to Betula extracts. These papers also reported a high degree of cross-reactivity between Betula extracts and other Fagales extracts such as beech, hazel, and alder.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
857_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
883_ Allergy 33-299.pdf	751527	Erickson, N.E.	1978
1003_ Allergol et Immunopathol 24-116.pdf	8766742	Güneser, S.	1996

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 757 - Pollens - Trees, Birch, White Betula populifolia

Recommended Common Name Birch, Gray

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)

Search Strategy

PubMed: Betula populifolia and (asthma or allergen or allergy or rhinitis or sinusitis or skin tests or immunotherapy or dermatitis); gray birch and (asthma or allergen or allergy or rhinitis or sinusitis or skin tests or immunotherapy or dermatitis)
Google: white birch allergy; white birch allergy adverse; white birch allergen; white birch allergen adverse; same search results performed for Betula populifolia

Nomenclature

According to ITIS, the scientific name, Betula populifolia, is correct and current. The common name is gray birch. The Betula genus is found in the Betulaceae family. According to PLANTS database, the order is Fagales, the family is Betulaceae, the genus is Betula, and the species is Betula populifolia. Common name should be gray birch and not white birch. White birch is a common name associated with the latin name, Betula papyrifera.

Parent Product

754 - Pollens - Trees, Birch, White (Gray) Betula populifolia

Related Products

757 - Pollens - Trees, Birch, White Betula populifolia

Published Data

PMIDs 3296843 and 751527 report that pollens from the order Fagales contain cross-reactive allergens.

PMIDs 751527 and 8766742 reported several skin prick tests, RAST and/or nasal provocation positive patients to Betula extracts. These papers also reported a high degree of cross-reactivity between Betula extracts and other Fagales extracts such as beech, hazel, and alder.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
857_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
883_ Allergy 33-299.pdf	751527	Erickson, N.E.	1978
1003_ Allergol et Immunopathol 24-116.pdf	8766742	Güneser, S.	1996

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 758 - Pollens - Trees, Birch, Yellow Betula alleghaniensis

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed:Betula alleghaniensis allergens; yellow birch allergens

Google: Yellow birch allergy; Yellow birch allergy adverse; Yellow birch allergen; Yellow birch allergen adverse; same search results performed for Betula alleghaniensis

Nomenclature

According to ITIS, the scientific name, Betula alleghaniensis, is correct and current. Common name is yellow birch. Two varieties of B. alleghaniensis are: alleghaniensis and macrolepis. The Betula genus is found in the Betulaceae family. According to PLANTS database, the order is Fagales, the family is Betulaceae, the genus is Betula and the species is Betula alleghaniensis. Common name is yellow birch.

Parent Product

758 - Pollens - Trees, Birch, Yellow Betula alleghaniensis

Related Products

759 - Pollens - Trees, Birch, Yellow Betula lutea

Published Data

PMIDs 3296843 and 751527 report that pollens from the order Fagales contain cross-reactive allergens.

PMIDs 751527 and 8766742 reported several skin prick tests, RAST and/or nasal provocation positive patients to Betula extracts. These papers also reported a high degree of cross-reactivity between Betula extracts and other Fagales extracts such as beech, hazel, and alder.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
857_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
883_ Allergy 33-299.pdf	751527	Erickson, N.E.	1978
1003_ Allergol et Immunopathol 24-116.pdf	8766742	Güneser, S.	1996

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 759 - Pollens - Trees, Birch, Yellow Betula lutea

Recommended Scientific Name Betula alleghaniensis

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Betula alleghaniensis allergens; Betula lutea; yellow birch allergens
Google: Yellow birch allergy; Yellow birch allergy adverse; Yellow birch allergen; Yellow birch allergen adverse; same search results performed for Betula lutea

Nomenclature

According to ITIS, the current name of Betula lutea is Betula alleghaniensis var. alleghaniensis. The common name is yellow birch. Synonyms are Betula alleghaniensis var. fallax, B. lutea, and B. lutea var. fallax. The Betula genus is found in the the Betulaceae family. According to PLANTS database, the order is Fagales, the family is Betulaceae, the genus is Betula, and the species is Betula alleghaniensis. The common name is yellow birch.

Parent Product

758 - Pollens - Trees, Birch, Yellow Betula alleghaniensis

Related Products

759 - Pollens - Trees, Birch, Yellow Betula lutea

Published Data

PMIDs 3296843 and 751527 report that pollens from the order Fagales contain cross-reactive allergens.

PMIDs 751527 and 8766742 reported several skin prick tests, RAST and/or nasal provocation positive patients to Betula extracts. These papers also reported a high degree of cross-reactivity between Betula extracts and other Fagales extracts such as beech, hazel, and alder.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
857_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
883_ Allergy 33-299.pdf	751527	Erickson, N.E.	1978
1003_ Allergol et Immunopathol 24-116.pdf	8766742	Güneser, S.	1996

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 760 - Pollens - Trees, Blue Beech (Am. Hornbeam) *Carpinus carolineana*

Recommended Common Name Hornbeam, American

Recommended Scientific Name *Carpinus caroliniana*

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: *Carpinus caroliniana*; American hornbeam skin prick test

Google: Blue beech allergy; Blue beech allergy adverse; Blue beech allergen; Blue beech allergen adverse; same search results performed for *Carpinus carolineana*, *Carpinus caroliniana*

Nomenclature

According to ITIS, the correct spelling of *Carpinus carolineana* is *Carpinus caroliniana*. The common names are American hornbeam and American hornbeam. Two subspecies are listed in *C. caroliniana*: *caroliniana* and *virginiana*. The *Carpinus* genus is found in the *Betulaceae* family. Beech and hornbeams are in a different genus. Beech trees are in the genus - *Fagus* whereas Birch trees are in the genus *Carpinus*.

Parent Product

858 - Pollens - Trees, Hornbeam, American *Carpinus carolineana*

Related Products

740 - Pollens - Trees, Beech, Hornbeam *Carpinus caroliniana*

760 - Pollens - Trees, Blue Beech (Am. Hornbeam) *Carpinus carolineana*

Published Data

Several papers (PMID 9802365, 2005320, 1715032) reported that pollens from the order Fagales contain cross-reactive allergens. Birch pollen is frequently cited as being highly cross-reactive with alder, hazel, and hornbeam pollen. The major allergens from birch (Bet v 1), alder (Aln g 1), hazel (Cor a 1), and hornbeam (Car b 1) have been characterized, showing high sequence similarity (up to 80.5 - 83%) with each other. Some papers estimate approximately 95% of patients allergic to tree pollens from the order Fagales display IgE binding to these 4 allergens. Multiple papers reported on extensive in vitro cross-reactivity to birch, alder, hornbeam and hazelnut.

Two papers (PMID 9802365, 1715032) reported on patients with positive skin prick test reactions to European hornbeam (*Carpinus betulus*) extracts who also had positive skin prick tests to pollen extracts from various other tree pollen extracts.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
709_J Allergy Clin Immunol 102-579.pdf	9802365	Niederberger, V.	1998
709_J Allergy Clin Immunol 87-677.pdf	2005320	Valenta, R.	1991
709_Mol Immunol 28-897.pdf	1715032	Rohac, M.	1994

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 761 - Pollens - Trees, Bottle Brush Callistemon spp.

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)

Search Strategy

PubMed: Callistemon; Callistemon allergens Callistemon citrinis allergens; Bottle brush; Bottle brush allergens

Google: Bottle brush tree allergy; Bottle brush tree allergy adverse; Bottle brush tree allergen; Bottle brush tree allergen adverse; same search results performed for Callistemon

Nomenclature

ITIS lists three accepted species within the genus Callistemon. They are *C. citrinus*, *C. phoeniceus*, and *C. rigidus*. The Callistemon genus is found in the Myrtaceae family.

Parent Product

761 - Pollens - Trees, Bottle Brush Callistemon spp.

Published Data

PMID 7920031 uses three pollen extracts Callistemon citrinis (bottlebrush), Melaleuca leucadendron (melaleuca), and Paspalum notatum (bahia) to analyze antigenicity and allergenic cross-reactivity. Both the Melaleuca (ME) and Bottlebrush (BO) are pollinating trees which belong to the Myrtaceae family or Myrtle family. Clinicians have observed for years that patients who were skin test positive to the BO extract were also likely to be skin test reactive to the allergen extract ME. The skin testing of 55 allergic individuals with pollen extracts prepared using two different extraction buffers; either 0.05 M NH₄HCO₃ (ammonium bicarbonate) or XAD-PVP (1% Amberlite XAD-4, 1% polyvinylpyrrolidone). The study revealed that extracts prepared using XAD-PVP were less reactive as NH₄HCO₃ extracts. Clinical studies using the NH₄HCO₃ extracts for skin testing of patients strongly suggest a high degree of allergenic cross-reactivity among the three pollens. Eight-one percent of skin test positive patients reacted to all three pollen extracts and 13% were positive to two pollen extracts, while only 6% were positive to only one. A close link between the skin test results of all three pollens may indicate that their components may share common antigenic determinatives, leading to allergenic cross-reactivity in patients.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
761_IntArchAllergyImmunol 105-289.pdf	7920031	Sweeney, M.	1994

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 762 - Pollens - Trees, Box Elder Acer negundo

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Acer negundo allergens; Boxelder allergens

Google: box elder allergy; box elder allergy adverse; box elder allergen; box elder allergen adverse; same search results performed for Acer negundo

Nomenclature

According to ITIS, the scientific name, *Acer negundo*, is correct and current. Common names are ashleaf maple, box elder, boxelder maple, California boxelder, Manitoba maple, and western boxelder. Synonyms are *Negundo mexicanum*, *Rulac negundo*, and *Rulac texana*. There are six varieties of *A. negundo* listed: *arizonicum*, *californicum*, *interius*, *negundo*, *texanum*, and *violaceum*. The *Acer* genus is found in the *Aceraceae* family. PLANTS database states that *Acer negundo* is in the *Aceraceae* Family or Maple Family and lists five varieties of *A. negundo* that have the common name, Boxelder. The varieties are: *Acer negundo* L., *Acer negundo* L. var. *interius* (Britt) Sarg, *Acer negundo* L. var. *negundo*, *Acer negundo* L. var. *texanum* Pax and *Acer negundo* L. var. *violaceum* (Kirchn.) Jaeger.

Parent Product

762 - Pollens - Trees, Box Elder *Acer negundo*

Published Data

Panel 1 (pg 3157) cites two case studies of skin test diagnosis for maple pollen extracts (Ref. 153 and 154) but did not specify their genus or species.

PMID 12221895 describes how patterns of cross-sensitivity to tree pollens were identified. Once these patterns are identified they could reduce the number of tree extracts used during allergy testing. Three hundred seventy-one allergy patients were tested serologically for hypersensitivity toward prevalent tree pollens in the area surrounding New York City between the years 1993 and 2000. The following tree pollens were examined by modified radioallergosorbent test (RAST): oak, birch, beech, poplar (*populus deltoides*), maple (*Acer negundo*), ash, hickory and elm. The highest prevalence of hypersensitivity was for oak (34.3%), birch (32.9%), and maple (32.8%) tree pollens. Lower prevalences were observed for beech (29.6%), hickory (27.1%), ash (26%), elm (24.6%) and poplar (20.6%) trees. The data suggest that hypersensitivity to tree pollens most often is manifested with allergy to oak, birch and maple tree pollens. The data also suggest that beech (highly correlated with birch and oak trees since they are in the same order, Fagales, poplar, and elm tree pollens can be eliminated from allergy testing without affecting results significantly and can be eliminated from testing with only <1% loss of sensitivity.

PMID 3944375 reports on the use of polymerized ragweed (PRW), polymerized grasses (IPG) and polymerized trees (IPT) for immunotherapy in ragweed patients. Sixteen patients with typical histories of tree pollinosis were recruited. All patients had at least 5 mm wheal and 10 mm flare reaction to prick tests of one or more of the following 1:10 tree extracts: white oak, elm, or box elder. These patients had histories of ragweed and grass pollinosis, or both. And were prick tested with 1:10 extracts of giant and short ragweed, Bermuda, timothy and orchard grass. The patient's immunotherapy was administered in 12 weekly visits during the spring and summer of 1983. Of the 16 recruited patients, 10 were prick positive to box elder, 13 to elm, and 14 to oak. Fifteen of 16 patients had histories of grass pollinosis and positive prick tests to one or more grasses. In terms of Safety, the patients received 48,850 PNU of IPT, 48,850 PNU of IPG and 2668 AU (approx. 50,000 PNU) of PRW in 12 weekly injections with no changes in clinical laboratory tests, including hepatic and renal function tests. Also, there were no systemic reactions in this group of patients. This is very significant in that rates of systemic reactions from usual immunotherapy range from 8% to 30% per patient course. Polymerized trees are safe, immunogenic and can be administered simultaneously with polymerized ragweed and polymerized grasses in patients with multiple inhalant sensitivities.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
762_AllergyandAsthmaProc 23-253.pdf	12221895	Lin, R.Y.	2002
762_JAllergyClinImmunol 77-53.pdf	3944375	Grammer, L.C.	1986

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 763 - Pollens - Trees, Boxwood Schaefferia spp

Recommended Scientific Name Schaefferia, (species to be specified)

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: Boxwood, Schaefferia, allergy, allergen

ISI database search: Schaefferia

Google: Boxwood, Schaefferia, allergy, allergen

Nomenclature

According to ITIS and PLANTS database, Schaefferia has the same Latin and common names . There are two species: Schaefferia frutescens (common name of Florida boxwood) and S. cuneifolia (common name of desert yaupon). The Schaefferia genus is found in the Celastraceae family.

Parent Product

763 - Pollens - Trees, Boxwood Schaefferia spp

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 764 - Pollens - Trees, Butternut Juglans cinerea

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: juglans; Juglans cinerea; Butternut allergy; Wallia cinerea

Google: butternut tree allergy; butternut tree allergy adverse; butternut tree allergen; butternut tree allergen adverse; same search results performed for Juglans cinerea

Nomenclature

According to ITIS, the scientific name, Juglans cinerea, is correct and current. Common name is butternut. Synonym is Wallia cinerea. The Juglans genus is found in the Juglandaceae or walnuts family.

Parent Product

764 - Pollens - Trees, Butternut Juglans cinerea

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 765 - Pollens - Trees, Carob Tree Ceratonia siliqua

Recommended Common Name St. John's bread

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Ceratonia siliqua; Ceratonia siliqua skin prick test

Google: carob tree allergy; carob tree allergy adverse; carob tree allergen; carob tree allergen adverse; same search results performed for Ceratonia siliqua

Nomenclature

According to ITIS and PLANT database, the scientific name, Ceratonia siliqua, is correct and current. The common name is St. John's bread. The Ceratonia genus is in the Fabaceae family. Carob tree could not be found in either ITIS or PLANT database. However, the NCBI Taxonomy database search, listed this pollen as having two common names: St. John's bread and Carob tree.

Parent Product

765 - Pollens - Trees, Carob Tree Ceratonia siliqua

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 766 - Pollens - Trees, Casuarina Casuarina huegliana

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

ISI database search: Casuarina AND huegeliana; Allocasuarina AND allergy; Allocasuarina AND heugeliana
PubMed: Casuarina allergy; Australian pine; Allocasuarina allergy; Casuarina huegliana;
Casuarina huegliana immunotherapy
NCBI Taxonomy search: Allocasuarina huegeliana
Google: casuarina huegliana, huegeliana

Nomenclature

Casuarina huegliana was not found in either PLANTS database or ITIS. There are four species within Casuarina genus: cunninghamiana, equisetifolia, glauca, and lepidophloia. The common name, Casuarina, was not found. The Casuarinaceae family is found in the Casuarinales family. However, the most common planted species is Casuarina equisetifolia or Australian pine. It is capable of reaching a height of 60 feet in 6 years. It flowers throughout the summer and is particularly abundant in the neighborhood of Miami. Casuarina cunninghamiana is a common species of the west coast of Florida.

Parent Product

766 - Pollens - Trees, Casuarina Casuarina huegliana

Published Data

PMID 14677902 is a review article that reports on skin reactivity to Casuarina equisetifolia in patients from Bangalore, India.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
766_ AnnAgricEnvironMed 10-131.pdf	14677902	Singh, A.B.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 767 - Pollens - Trees, Cedar Juniperus monosperma

Recommended Common Name Juniper, Oneseed

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

ISI database search: Juniperus monosperma

PubMed: Juniperus monosperma; Oneseed juniper allergy

Google: Cedar tree allergy; Cedar tree allergy adverse; Cedar tree allergen; Cedar tree allergen adverse; same search results performed for Juniperus monosperma

Nomenclature

According to ITIS, the scientific name, Juniperus monosperma, is correct and current. The common name is oneseed juniper. Synonyms are Juniperus occidentalis var gymnocarpa and Sabina monosperma and Juniperus monosperma. The Juniperus genus is found in the Cupressaceae family.

Parent Product

767 - Pollens - Trees, Cedar Juniperus monosperma

Published Data

Panel I (pg 3150) found only circumstantial and somewhat contradictory evidence indicating that the juniper pollen extracts are effective.

PMID 12897724 is a review of allergy and clinical immunology. The order Coniferales includes Cupressaceae, a large family, which includes cedars, junipers, pfitzers (Juniperus spp, Thuja spp), and cypresses (Cupressus spp). Members of cupressaceae are strongly cross-reactive. Most studies demonstrate consistent cross-inhibition with both animal antisera and human IgE antibodies.

PMID 804829 reports on a study to determine the relative importance of Juniperus/Cupressus in causing allergic disease in the San Francisco area by focusing on immunogenicity and cross-reactivity data. The following antigens were used: Red cedar, Western Red cedar, American arborvitae, Western juniper, redwood, Australian pine, Port Oxford cypress, Monterey cypress, Arizona cypress, Mountain cedar, Pfitzer juniper, Incense cedar and Japanese sugi. Thirty individuals were tested with extracts of the local evergreen plants or those to which their travels might expose them. The extracts were used at 1:20 weight to volume dilution for scratch testing and 1:500 for intradermal testing. Only 16 out of 30 patients had positive reactions to these antigens. Fifteen of 16 patients who had a positive skin test to Mountain cedar would also react to Monterey cypress. There was also a high probability (15 of 16 instances) that patients with a positive skin test to Pfitzer Juniper would also have a positive reaction to Monterey cypress. Four of seven patients with positive reactions to Japanese cedar also reacted to Mountain cedar. Members of the Cupressaceae family appear to cross-react.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
783_JACI 112-229.pdf	12897724	Weber, R.W.	2003
773_AnnAllergy 2-87.pdf	804829	Yoo, T.J.	1975

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 768 - Pollens - Trees, Cedar Juniperus spp.

Recommended Scientific Name Juniperus, (species to be specified)

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: Juniperus; Juniperus communis

Google: Cedar tree allergy; Cedar tree allergy adverse; Cedar tree allergen; Cedar tree allergen adverse; same search results performed for Juniperus

Nomenclature

According to ITIS, there are seventeen species within the Juniperus genus. The Juniperus genus is found in the Cupressaceae family.

Parent Product

768 - Pollens - Trees, Cedar Juniperus spp.

Published Data

Panel I (pg 3150) found only circumstantial and somewhat contradictory evidence indicating that the juniper pollen extracts are effective.

PMID 12897724 is a review of allergy and clinical immunology. The order Coniferales includes Cupressaceae, a large family, which includes cedars, junipers, pfitzers (Juniperus spp, Thuja spp), and cypresses (Cupressus spp). Members of cupressacea are strongly cross-reactive. Most studies demonstrate consistent cross-inhibition with both animal antisera and human IgE antibodies.

PMID 804829 reports on a study to determine the relative importance of Juniperus/Cupressus in causing allergic disease in the San Francisco area by focusing on immunogenicity and cross-reactivity data. The following antigens were used: Red cedar, Western Red cedar, American arborvitae, Western juniper, redwood, Australian pine, Port Oxford cypress, Monterey cypress, Arizona cypress, Mountain cedar, Pfitzer juniper, Incense cedar and Japanese sugi. Thirty individuals were tested with extracts of the local evergreen plants or those to which their travels might expose them. The extracts were used at 1:20 weight to volume dilution for scratch testing and 1:500 for intradermal testing. Only 16 out of 30 patients had positive reactions to these antigens. Fifteen of 16 patients who had a positive skin test to Mountain cedar would also react to Monterey cypress. There was also a high probability (15 of 16 instances) that patients with a positive skin test to Pfitzer Juniper would also have a positive reaction to Monterey cypress. Four of seven patients with positive reactions to Japanese cedar also reacted to Mountain cedar. Members of the Cupressaceae family appear to cross-react.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
773_ AnnAllergy 2-87.pdf	804829	Yoo, T.J.	1975
783_ JACI 112-229.pdf	12897724	Weber, R.W.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 769 - Pollens - Trees, Cedar, Atlantic Cedrus atlantica

Recommended Scientific Name Cedrus, (species to be specified)

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

NCBI Taxonomy search: Cedrus Atlantica; Atlantic cedar

ISI database search: Cedrus atlantica

PubMed: Cedrus atlantica

Google: Cedar tree allergy; Cedar tree allergy adverse; Cedar tree allergen; Cedar tree allergen adverse; same search results performed for Cedrus atlantica

Nomenclature

According to ITIS, Cedrus atlantica is not listed. There are two species within the Cedrus genus: deodara and libani. The common name, Atlantic cedar, is not listed. The Cedrus genus is found in the Pinaceae family.

Parent Product

769 - Pollens - Trees, Cedar, Atlantic Cedrus atlantica

Published Data

Panel I (pg 3150) found only circumstantial and somewhat contradictory evidence indicating that the juniper pollen extracts are effective.

PMID 12897724 is a review of allergy and clinical immunology. The order Coniferales includes Cupressaceae, a large family, which includes cedars, junipers, pfitzers (Juniperus spp, Thuja spp), and cypresses (Cupressus spp). Members of cupressacea are strongly cross-reactive. Most studies demonstrate consistent cross-inhibition with both animal antisera and human IgE antibodies.

PMID 804829 reports on a study to determine the relative importance of Juniperus/Cupressus in causing allergic disease in the San Francisco area by focusing on immunogenicity and cross-reactivity data. The following antigens were used: Red cedar, Western Red cedar, American arborvitae, Western juniper, redwood, Australian pine, Port Oxford cypress, Monterey cypress, Arizona cypress, Mountain cedar, Pfitzer juniper, Incense cedar and Japanese sugi. Thirty individuals were tested with extracts of the local evergreen plants or those to which their travels might expose them. The extracts were used at 1:20 weight to volume dilution for scratch testing and 1:500 for intradermal testing. Only 16 out of 30 patients had positive reactions to these antigens. Fifteen of 16 patients who had a positive skin test to Mountain cedar would also react to Monterey cypress. There was also a high probability (15 of 16 instances) that patients with a positive skin test to Pfitzer Juniper would also have a positive reaction to Monterey cypress. Four of seven patients with positive reactions to Japanese cedar also reacted to Mountain cedar. Members of the Cupressaceae family appear to cross-react.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
773_ AnnAllergy 2-87.pdf	804829	Yoo, T.J.	1975
783_ JACI 112-229.pdf	12897724	Weber, R.W.	2003

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 770 - Pollens - Trees, Cedar, Deodar

Recommended Scientific Name Cedrus deodara

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PLANT database search: Cedar Deodar; Cedrus Trew

ISI search: Cedrus deodora

PubMed: Cedrus deodara

Google: Cedar tree allergy; Cedar tree allergy adverse; Cedar tree allergen; Cedar tree allergen adverse; same search results performed for Deodar

Nomenclature

According to ITIS, the correct scientific name is Cedrus deodara. The common name is Deodar cedar. The Cedrus genus is found in the Pinaceae or pine family.

Parent Product

771 - Pollens - Trees, Cedar, Deodar Cedrus deodora

Related Products

770 - Pollens - Trees, Cedar, Deodar

Published Data

PMID 10921460, The objective of this report was to define the allergologic and immunochemical aspects of C. deodara (CD) pollen. To assess the allergenicity of the antigen extract, skin prick testing was performed uniformly on 531 patients with nasobronchial allergy attending four hospitals in India. Patients showed marked skin positivity. The highest skin reactivity with CD antigen was observed in patients at Calcutta with 27%, followed by Chandigarh with 12.8%, Trivandrum with 12.7% and Delhi with 9.3%.

PMID 16252835: Himalayan tree pollen from five different taxa, such as: Alnus nitida (AN), Betula utilis (BU), Cedris deodara (CD), Mallotus phillipensis (MP) and Quercu incana (QI), were evaluated for their allergenicity in the Indian population by in vivo (skin prick test) and in vitro (ELISA) clinico-immunological methods. Patients aged 10-16 years were combined in a children group, while patients 17-50 years were considered adults. Patients diagnosed with nasobronchial allergy were included for skin testing. It was concluded that skin prick test positivity and raised IgE antibodies specific to AN, BU, CD, MP and QI established Himalayan tree pollen as important sensitizers in the atopic populations in India.

PMID 12003301 is a review article on common environmental allergens that cause respiratory allergy that affects all age groups. Atmospheric surveys within India revealed that Alanus nitida, Amarantus spinosus, Argemone Mexican, Cocos nucifera, Betula utilis, Borasus flabellifer, Caraica papaya, Cedrus deodara, Cassia fistula, etc. are the allergenically important pollens of the country. No in vivo or in vitro diagnostic test results were presented in this article.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
771_ Allergy 55-620.pdf	10921460	Rawat, A.	2000
771_ AsianPacJAllergyImmunol 23-69.pdf	16252835	Bist, A.	2005
771_ IndianJPediat 3-245.pdf	12003301	Singh, A.B.	2002

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 771 - Pollens - Trees, Cedar, Deodar Cedrus deodora

Recommended Scientific Name Cedrus deodara

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PLANT database search: Cedar Deodar; Cedrus Trew

ISI search: Cedrus deodora

PubMed: Cedrus deodara

Google: Cedar tree allergy; Cedar tree allergy adverse; Cedar tree allergen; Cedar tree allergen adverse; same search results performed for Cedrus deodora, C. deodara

Nomenclature

According to ITIS, the scientific name, Cedrus deodara, is correct and current. The common name is Deodar cedar. The Cedrus genus is found in the Pinaceae or pine family.

Parent Product

771 - Pollens - Trees, Cedar, Deodar Cedrus deodora

Related Products

770 - Pollens - Trees, Cedar, Deodar

Published Data

PMID 10921460, The objective of this report was to define the allergologic and immunochemical aspects of C. deodara (CD) pollen. To assess the allergenicity of the antigen extract, skin prick testing was performed uniformly on 531 patients with nasobronchial allergy attending four hospitals in India. Patients showed marked skin positivity. The highest skin reactivity with CD antigen was observed in patients at Calcutta with 27%, followed by Chandigarh with 12.8%, Trivandrum with 12.7% and Delhi with 9.3%.

PMID 16252835: Himalayan tree pollen from five different taxa, such as: Alnus nitida (AN), Betula utilis (BU), Cedris deodara (CD), Mallotus phillipensis (MP) and Quercu incana (QI), were evaluated for their allergenicity in the Indian population by in vivo (skin prick test) and in vitro (ELISA) clinico-immunological methods. Patients aged 10-16 years were combined in a children group, while patients 17-50 years were considered adults. Patients diagnosed with nasobronchial allergy were included for skin testing. It was concluded that skin prick test positivity and raised IgE antibodies specific to AN, BU, CD, MP and QI established Himalayan tree pollen as important sensitizers in the atopic populations in India.

PMID 12003301 is a review article on common environmental allergens that cause respiratory allergy that affects all age groups. Atmospheric surveys within India revealed that Alanus nitida, Amarantus spinosus, Argemone Mexican, Cocos nucifera, Betula utilis, Borasus flabellifer, Caraica papaya, Cedrus deodara, Cassia fistula, etc. are the allergenically important pollens of the country. No in vivo or in vitro diagnostic test results were presented in this article.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
771_ Allergy 55-620.pdf	10921460	Rawat, A.	2000
771_ AsianPacJAllergyImmunol 23-69.pdf	16252835	Bist, A.	2005
771_ IndianJPediat 3-245.pdf	12003301	Singh, A.B.	2002

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 772 - Pollens - Trees, Cedar, Giant Thuja plicata

Recommended Common Name Cedar, Western Red

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: thuja plicata allergy

Google: Thuja plicata allergy; Thuja plicata allergy adverse; Thuja plicata allergen; Thuja plicata allergen adverse

Nomenclature

According to ITIS, the scientific name, Thuja plicata, is correct and current. The common name is Western red cedar. The Thuja genus is found in the Cupressaceae family.

Parent Product

772 - Pollens - Trees, Cedar, Giant Thuja plicata

Published Data

Panel I (pg 3150) reported on a study where patients has positive skin test results to Thuja plicata (Ref. 114).

PMID 12897724 is a review of allergy and clinical immunology that reports pollens within the family Cupressaceae, such as: cedars, junipers, pfitzers (Juniperus spp, Thuja spp), and cypresses (Cupressus spp), are strongly cross reactive and most studies reviewed demonstrated consistent cross-inhibition with both animal antisera and human IgE antibodies.

PMID 804829 reports on the Cupressaceae family (including Incense cedar). The Cupressaceae family contains a large number of species of potential interest to allergist. This report is part of a study to determine the relative importance of Juniperus/Cupressus in causing allergic disease in the San Francisco area. This article also reports the immunogenicity and cross-reactivity in the rabbit and skin test results from suspected Juniper cypress pollinosis patients. The following antigens were used; Red cedar, Western Red cedar,

American arborvitae, Western juniper, redwood, Australian pine, Port Oxford cypress, Monterey cypress, Arizona cypress, Mountain cedar, Pfitzer juniper, Incense cedar and Japanese sugi. Thirty individuals were tested with extracts of the local evergreen plants or those to which their travels might expose them. The extracts were used at 1:20 weight to volume dilution for scratch testing and 1:500 for intradermal testing. Only 16 out of 30 gave positive reactions to these antigens. Patients found to have a positive skin test to Mountain cedar would in 15 of 16 instances also react to Monterey cypress. It is evident that there is a high probability that patients with a positive skin test to Pfitzer juniper also will have a positive reaction to Monterey cypress. This interaction was true in 15 of 16 instances. Cross-reactivity appears to center in the group of conifers which are members of the Cupressaceae family. Based on results of skin testing and hyposensitization, Kahn reported that there appeared to be cross antigenicity between the pollen of Mountain cedar and Red cedar.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
773_ AnnAllergy 2-87.pdf	804829	Yoo, T.J.	1975
783_ JACI 112-229.pdf	12897724	Weber, R.W.	2003

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 773 - Pollens - Trees, Cedar, Incense Libocedrus decurrens

Recommended Scientific Name Calocedrus decurrens

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Incense cedar allergy

Google: Cedar tree allergy; Cedar tree allergy adverse; Cedar tree allergen; Cedar tree allergen adverse; same search results performed for Libocedrus decurrens

Nomenclature

According to ITIS, the current name of Libocedrus decurrens is Calocedrus decurrens. The common name is incense cedar. Synonyms are Heyderia and Libocedrus decurrens. The Calocedrus genus is found in the Cupressaceae family.

Parent Product

773 - Pollens - Trees, Cedar, Incense Libocedrus decurrens

Published Data

PMID 804829 reports on the Cupressaceae family (including Incense cedar). The Cupressaceae family contains a large number of species of potential interest to allergist. This report is part of a study to determine the relative importance of Juniperus/Cupressus in causing allergic disease in the San Francisco area. This article also reports the immunogenicity and cross-reactivity in the rabbit and skin test results from suspected Juniper Cypress pollinosis patients. The following antigens were used; Red cedar, Western Red cedar, American arborvitae, Western juniper, redwood, Australian pine, Port Oxford cypress, Monterey cypress, Arizona cypress, Mountain cedar, Pfitzer juniper, Incense cedar and Japanese sugi. Thirty individuals were tested with extracts of the local evergreen plants or those to which their travels might expose them. The extracts were used at 1:20 weight to volume dilution for scratch testing and 1:500 for intradermal testing. Only 16 out of 30 gave positive reactions to these antigens. Patients found to have a positive skin test to Mountain cedar would in 15 of 16 instances also react to Monterey cypress. It is evident that there is a high probability that patients with a positive skin test to Pfitzer juniper also will have a positive reaction to Monterey cypress. This interaction was true in 15 of 16 instances. Cross-reactivity appears to center in the group of conifers which are members of the Cupressaceae family. Based on results of skin testing and hyposensitization, Kahn reported that there appeared to be cross antigenicity between the pollen of Mountain cedar and Red cedar.

PMID 12897724 ia a review of allergy and clinical immunology that reports pollens within the family Cupressaceae, such as: cedars, junipers, pfitzers (Juniperus spp, Thuja spp), and cypresses (Cupressus spp), are strongly cross reactive and most studies reviewed demonstrated consistent cross-inhibition with both animal antisera and human IgE antibodies.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
773_ AnnAllergy 2-87.pdf	804829	Yoo, T.J.	1975
783_ JACI 112-229.pdf	12897724	Weber, R.W.	2003

<u>Panels:</u>	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 774 - Pollens - Trees, Cedar, Japanese Cryptomeria japonica

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: japanese cedar skin prick test

Google: Cedar tree allergy; Cedar tree allergy adverse; Cedar tree allergen; Cedar tree allergen adverse; same search results performed for Cryptomeria japonica

Nomenclature

According to ITIS, the scientific name, *Cryptomeria japonica*, is correct and current. The common name is Japanese cedar. The *Cryptomeria* genus is found in the Taxodiaceae family.

Parent Product

774 - Pollens - Trees, Cedar, Japanese *Cryptomeria japonica*

Published Data

PMID 10691897 investigated the roles of costimulatory molecules, B7-1 (CD80) and B7-2 (CD86) in T-cell activation. These molecules play important roles in the differentiation of TH1 and TH2 phenotypes. Skin prick test was performed in nine subjects with pollinosis and in nine normal controls. After in vitro stimulation, the expression of CD80 (B7-1) was upregulated in both pollinosis and control subjects but no significant difference was observed between the two groups. On the other hand, CD86 (B7-2) was significantly upregulated following stimulation in pollinosis subjects ($P=0.02$). A significantly higher level of IL-5 ($P=0.04$) was produced by peripheral blood mononuclear cells (PBMCs) of pollinosis subjects than by those of normal controls. A significantly higher level of IFN-gamma ($P=0.03$) was produced by PMBCs of normal controls than by those of pollinosis subjects. These results indicated that TH2 response was predominant in pollinosis subjects.

PMID 804829 reports on the Cupressaceae family (including Incense cedar). The Cupressaceae family contains a large number of species of potential interest to allergist. This report is part of a study to determine the relative importance of *Juniperus/Cupressus* in causing allergic disease in the San Francisco area. This article also reports the immunogenicity and cross-reactivity in the rabbit and skin test results from suspected *Juniper* cypress pollinosis patients. The following antigens were used; Red cedar, Western Red cedar, American arborvitae, Western juniper, redwood, Australian pine, Port Oxford cypress, Monterey cypress, Arizona cypress, Mountain cedar, Pfitzer juniper, Incense cedar and Japanese sugi. Thirty individuals were tested with extracts of the local evergreen plants or those to which their travels might expose them. The extracts were used at 1:20 weight to volume dilution for scratch testing and 1:500 for intradermal testing. Only 16 out of 30 gave positive reactions to these antigens. Patients found to have a positive skin test to Mountain cedar would in 15 of 16 instances also react to Monterey cypress. It is evident that there is a high probability that patients with a positive skin test to Pfitzer *Juniper* also will have a positive reaction to Monterey cypress. This interaction was true in 15 of 16 instances. Cross-reactivity appears to center in the group of conifers which are members of the Cupressaceae family. Based on results of skin testing and hyposensitization, Kahn reported that there appeared to be cross antigenicity between the pollen of Mountain cedar and Red Cedar.

PMID 12897724 is a review of allergy and clinical immunology that reports pollens within the family Cupressaceae, such as: cedars, junipers, pfitzers (*Juniperus* spp, *Thuja* spp), and cypresses (*Cupressus* spp), are strongly cross reactive and most studies reviewed demonstrated consistent cross-inhibition with both animal antisera and human IgE antibodies.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
774_ ClinandExpAllergy 30-383.pdf	10691897	Morikawa, H.	2000
773_ AnnAllergy 2-87.pdf	804829	Yoo, T.J.	1975
783_ JACI 112-229.pdf	12897724	Weber, R.W.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 775 - Pollens - Trees, Cedar, Mountain Juniperus ashei

Manufacturers of this Product

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Juniperus ashei skin prick test; Ashe's juniper; mountain cedar allergy

Google: Ashe's juniper and rock cedar; Cedar tree allergy; Cedar tree allergy adverse; Cedar tree allergen; Cedar tree allergen adverse; same search results performed for Juniperus ashei

Nomenclature

According to ITIS, the scientific name, Juniperus ashei, is correct and current. The common name is Ashe juniper. Synonyms are Juniperus occidentalis var. conjungens, Juniperus occidentalis var. texana, Juniperus sabinoides. The Juniperus genus is found in the Cupressaceae family. PLANTS database states that Juniperus ashei is in the Cupressaceae Family. A Google search indicated that common name can be mountain cedar, Ashe's juniper and rock cedar.

Parent Product

775 - Pollens - Trees, Cedar, Mountain Juniperus ashei

Related Products

776 - Pollens - Trees, Cedar, Mountain Juniperus sabinoides

Published Data

PMID 12859563 describes the in vitro characterization and in vivo calibration of an in-house reference pollen extract (IHRS) of Juniperus ashei (Ja). These evaluations were performed to determine the specificity and sensitivity of standardized Ja extract for the prick test diagnosis of cypress allergy. The nonstandardized cypress allergen extracts that are currently available for the diagnosis of cypress allergy have a low level of activity. Ja pollen is highly cross reactive with cypress extracts. The study demonstrated that Juniperus ashei pollen skin prick test extract is highly sensitive (95%) and specific (100%) for in vivo diagnosis of cypress pollen allergy.

PMID 804829 reports on the Cupressaceae family to determine the relative importance of Juniperus/Cupressus in causing allergic disease in the San Francisco area. This is performed by assessing the immunogenicity and cross-reactivity in the skin test results from suspected Juniper cypress pollinosis patients. The following antigens were evaluated: Red cedar, Western Red cedar, American arbovitae, Western juniper, redwood, Australian pine, Port Oxford cypress, Monterey cypress, Arizona cypress, Mountain cedar, Pfitzer juniper, Incense cedar and Japanese sugi. Thirty individuals were tested. Patients with a positive skin test to Mountain cedar cross reacted with Red cedar, Western Red cedar, American arbovitae, Western junipers, Arizona cypress, Incense cedar, and Pfitzer juniper.

PMID 12897724 is a review of allergy and clinical immunology that reports pollens within the family Cupressaceae, such as: cedars, junipers, pfitzers (Juniperus spp, Thuja spp), and cypresses (Cupressus spp), are strongly cross-reactive and most studies reviewed demonstrated consistent cross-inhibition with both animal antisera and human IgE antibodies.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
775_ Allergy 58-808.pdf	12859563	Hrabina, M.	2003
773_ AnnAllergy 2-87.pdf	804829	Yoo, T.J.	1975
783_ JACI 112-229.pdf	12897724	Weber, R.W.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category I	Category I

Product: 776 - Pollens - Trees, Cedar, Mountain Juniperus sabinoides

Recommended Scientific Name Juniperus ashei

Manufacturers of this Product

- Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
- Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
- ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
- Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
- Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Juniperus sabinoides skin prick test, Juniperus oxycedrus; mountain cedar allergy
Google: Cedar tree allergy; Cedar tree allergy adverse; Cedar tree allergen; Cedar tree allergen adverse; same search results performed for Juniperus sabinoides

Nomenclature

According to ITIS, the current name of Juniperus sabinoides is Juniperus ashei. The common name is Ashe juniper. Synonyms are Juniperus occidentalis var. conjungens, Juniperus occidentalis var. texana, Juniperus sabinoides. The Juniperus genus is found in the Cupressaceae family. PLANTS database states that Juniperus ashei is in the Cupressaceae Family. A Google search indicated that common name can be mountain cedar, Ashe's juniper and rock cedar.

Parent Product

775 - Pollens - Trees, Cedar, Mountain Juniperus ashei

Related Products

776 - Pollens - Trees, Cedar, Mountain Juniperus sabinoides

Published Data

PMID 12859563 describes the in vitro characterization and in vivo calibration of an in-house reference pollen extract (IHRS) of Juniperus ashei (Ja). These evaluations were performed to determine the specificity and sensitivity of standardized Ja extract for the prick test diagnosis of cypress allergy. The nonstandardized cypress allergen extracts that are currently available for the diagnosis of cypress allergy have a low level of activity. Ja pollen is highly cross reactive with cypress extracts. The study demonstrated that Juniperus ashei pollen skin prick test extract is highly sensitive (95%) and specific (100%) for in vivo diagnosis of cypress pollen allergy.

PMID 804829 reports on the Cupressaceae family to determine the relative importance of Juniperus/Cupressus in causing allergic disease in the San Francisco area. This is performed by assessing the immunogenicity and cross-reactivity in the skin test results from suspected Juniper cypress pollinosis patients. The following antigens were evaluated: Red cedar, Western Red cedar, American arborvitae, Western juniper, redwood, Australian pine, Port Oxford cypress, Monterey cypress, Arizona cypress, Mountain cedar, Pfitzer juniper, Incense cedar and Japanese sugi. Thirty individuals were tested. Patients with a positive skin test to Mountain cedar cross reacted with Red cedar, Western Red cedar, American arborvitae, Western junipers, Arizona cypress, Incense cedar, and Pfitzer juniper.

PMID 12897724 is a review of allergy and clinical immunology that reports pollens within the family Cupressaceae, such as: cedars, junipers, pfitzers (Juniperus spp, Thuja spp), and cypresses (Cupressus spp), are strongly cross-reactive and most studies reviewed demonstrated consistent cross-inhibition with both animal antisera and human IgE antibodies.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
775_ Allergy 58-808.pdf	12859563	Hrabina, M.	2003
773_ AnnAllergy 2-87.pdf	804829	Yoo, T.J.	1975
775_ JClinPharm 42-1097.pdf	--	Hampel, F. Jr.	2002
783_ JACI 112-229.pdf	12897724	Weber, R.W.	2003

<u>Panels:</u>	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category I	Category I

Product: 777 - Pollens - Trees, Cedar, pinchot, Juniperus pinchotii

Recommended Common Name Juniper, Pinchot's

Manufacturers of this Product

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Juniperus pinchotii; Juniperus pinchotii Sudworth; Pinchot allergy; Red-berried juniper allergy; Pinchot's juniper immunotherapy

Google: Cedar tree allergy; Cedar tree allergy adverse; Cedar tree allergen; Cedar tree allergen adverse; same search results performed for Juniperus sabinoides

Nomenclature

According to ITIS, the scientific name, Juniperus pinchotii, is correct and current. Common names are Pinchot's juniper and redberry juniper. Synonyms are Juniperus monosperma var. pinchotii, J. monosperma pinchotti, and J. texensis. The Juniperus genus is found in the Cupressaceae family. Both panels listed the common name as Red-berried juniper; however, there are two scientific names listed for redberry juniper: Juniperus coahuilensis and J. pinchotii.

Parent Product

777 - Pollens - Trees, Cedar, pinchot, Juniperus pinchotii

Published Data

PMID 804829 reports on the Cupressaceae family to determine the relative importance of Juniperus/Cupressus in causing allergic disease in the San Francisco area. This is performed by assessing the immunogenicity and cross-reactivity in the skin test results from suspected Juniper cypress pollinosis patients. The following antigens were evaluated: Red cedar, Western Red cedar, American arbovitae, Western juniper, redwood, Australian pine, Port Oxford cypress, Monterey cypress, Arizona cypress, Mountain cedar, Pfitzer juniper, Incense cedar and Japanese sugi. Thirty individuals were tested. Patients with a positive skin test to Mountain cedar cross-reacted with Red cedar, Western Red cedar, American arbovitae, Western junipers, Arizona cypress, Incense cedar, and Pfitzer juniper.

12897724 is a review of allergy and clinical immunology that reports pollens within the family Cupressaceae, such as: cedars, junipers, pfitzers (Juniperus spp, Thuja spp), and cypresses (Cupressus spp), are strongly cross reactive and most studies reviewed demonstrated consistent cross-inhibition with both animal antisera and human IgE antibodies.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
773_ AnnAllergy 2-87.pdf	804829	Yoo, T.J.	1975
783_ JACI 112-229.pdf	12897724	Weber, R.W.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 778 - Pollens - Trees, Cedar, Port Orford (Lawson Cypress) Chamaecyparis lawsoniana

Recommended Common Name Cedar, Port Orford

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Chamaecyparis Lawsoniana immunotherapy; Port Oxford cedar immunotherapy; Port Oxford cypress immunotherapy; Lawson Cypress; Chamaecyparis lawsoniana, Chamaecyparis obtusa, Chamaecyparis formosensis and yellow cedar (Chamaecyparis nootkatensis).

Google: Cedar tree allergy; Cedar tree allergy adverse; Cedar tree allergen; Cedar tree allergen adverse; same search results performed for Chamaecyparis lawsoniana

Nomenclature

According to ITIS, the scientific name, Chamaecyparis lawsoniana, is correct and current. Common names are ginger-pine, Lawson cedar, Oregon cedar, Port Orford cedar, and Port Orford white cedar. Synonyms are Cupressus lawsoniana. The Chamaecyparis genus is found in the Cupressaceae family.

Parent Product

778 - Pollens - Trees, Cedar, Port Orford (Lawson Cypress) Chamaecyparis lawsoniana

Published Data

PMID 804829 reports on the Cupressaceae family to determine the relative importance of Juniperus/Cupressus in causing allergic disease in the San Francisco area. This is performed by assessing the immunogenicity and cross-reactivity in the skin test results from suspected Juniper Cypress pollinosis patients. The following antigens were evaluated: Red cedar, Western Red cedar, American arbovitae, Western juniper, redwood, Australian pine, Port Oxford cypress, Monterey cypress, Arizona cypress, Mountain cedar, Pfitzer juniper, Incense cedar and Japanese sugi. Thirty individuals were tested. Patients with a positive skin test to Mountain cedar cross-reacted with Red cedar, Western Red cedar, American arbovitae, Western junipers, Arizona cypress, Incense cedar, and Pfitzer juniper.

PMID 12897724 is a review of allergy and clinical immunology that reports pollens within the family Cupressaceae, such as: cedars, junipers, pfitzers (Juniperus spp, Thuja spp), and cypresses (Cupressus spp), are strongly cross-reactive and most studies reviewed demonstrated consistent cross-inhibition with both animal antisera and human IgE antibodies.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
773_ AnnAllergy 2-87.pdf	804829	Yoo, T.J.	1975
783_ JACI 112-229.pdf	12897724	Weber, R.W.	2003

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 779 - Pollens - Trees, Cedar, Red Juniperus virginiana

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Rocky Mountain juniper immunotherapy; Eastern red cedar immunotherapy, Juniper's ashei; Southern Red cedar immunotherapy; Juniperus virginiana immunotherapy; Juniperus virginiana allergy; Japanese cedar, Juniperus ashei, Juniperus virginiana allergen

Google: Cedar tree allergy; Cedar tree allergy adverse; Cedar tree allergen; Cedar tree allergen adverse; same search results performed for Juniperus virginiana

Nomenclature

According to ITIS, the scientific name, Juniperus virginiana, is correct and current. Common names are Eastern redcedar, and red cedar juniper. Two varieties of Juniperus virginiana are silicicola and virginiana. The Juniperus genus is found in the Cupressaceae family. According to PLANTS database, the product is listed in Family Cupressaceae – Cypress family and the genus and species are Juniperus virginiana L. – eastern redcedar.

Parent Product

779 - Pollens - Trees, Cedar, Red Juniperus virginiana

Published Data

In PMID 16450568 Eastern red cedar (Juniperus virginiana) and white cedar (Thuja occidentalis, American arbor vitae) were evaluated by skin test in 158 patients with asthma and rhinitis (or both). 102 patients had positive skin tests to at least one cedar pollen. Of those 102 patients, 52 patients (51%) had positive skin tests to either or both cedars. Patients sensitive on skin testing to cedar pollen were strongly likely (p<0.0001) to be sensitive to deciduous trees, grass, or ragweed pollen.

PMID 11422137 compares the structure of potential allergens from eastern red cedar (Juniperus virginiana) pollen with those of the highly allergenic cedar (mountain cedar, J. ashei) pollens. Serum samples were obtained from 13 mountain cedar allergic patients. The diagnosis of seasonal allergic rhinitis due to cedar sensitivity was established in these subjects by clinical history and scratch test results. The negative controls were 12 non-atopic volunteers, who lacked skin test reactivity by scratch testing with cedar and dust mite extracts (df-mite). The cDNA sequence for one potential major allergen, Jun v 1, was highly homologous to those of the other cedar pollens. The second potential allergen, Jun v 3, was also highly homologous to its counterpart in mountain cedar, but a stop codon in the mRNA would result in a protein of only 91 amino acids, which would lack potential N-glycosylation sites and the IgE binding epitopes of the 199 amino acids homologue from mountain cedar pollen, Jun a 3. IgE from the sera of patients with hypersensitivity to cedar pollen bound to eastern red cedar proteins of four different sizes. N-terminal amino acid sequence analysis indicated that two of these proteins (43 and 30 kDa) were either isoforms or processed Jun v 1. These findings suggest that mutations in the genes or post-translational modifications of two potentially allergenic proteins might help to explain why the pollen of eastern red cedar is reported to be less allergenic than those of other members of Cupressaceae and Taxodiaceae families.

PMID 804829 This article reports on the Cupressaceae family to determine the relative importance of Juniperus/Cupressus in causing allergic disease in the San Francisco area. This is performed by assessing the immunogenicity and cross-reactivity in the skin test results from suspected Juniper cypress pollinosis patients. The following antigens were evaluated: Red cedar, Western Red cedar, American arborvitae, Western juniper, redwood, Australian pine, Port Oxford cypress, Monterey cypress, Arizona cypress, Mountain cedar, Pfitzer juniper, Incense cedar and Japanese sugi. Thirty individuals were tested. Patients with a positive skin test to Mountain cedar cross reacted with Red cedar, Western Red cedar, American arborvitae, Western junipers, Arizona cypress, Incense cedar, and Pfitzer juniper.

PMID 12897724 is a review of allergy and clinical immunology that reports pollens within the family Cupressaceae, such as: cedars, junipers, pfitzers (Juniperus spp, Thuja spp), and cypresses (Cupressus spp), are strongly cross-reactive and most studies reviewed demonstrated consistent cross-inhibition with both animal antisera and human IgE antibodies.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
779_ AllergyandAsthmaProc 26-352.pdf	16450568	Deane, P.M.	2005
779_ Clincialand ExpAllergy 31-771.pdf	11422137	Midoro-Horiuti, T.	2001
773_ AnnAllergy 2-87.pdf	804829	Yoo, T.J.	1975
783_ JACI 112-229.pdf	12897724	Weber, R.W.	2003

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Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 780 - Pollens - Trees, Cedar, Rocky Mountain Juniperus scopulorum

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Juniperus scopulorum allergy; Rocky mountain juniper allergy; Juniperus scopulorum

Google: Cedar tree allergy; Cedar tree allergy adverse; Cedar tree allergen; Cedar tree allergen adverse; same search results performed for Juniperus scopulorum

Nomenclature

According to ITIS, the scientific name, Juniperus scopulorum, is correct and current. Common name is Rocky Mountain juniper. Synonyms are: Juniperus scopulorum var. columnaris, J. virginiana var. montana, J. virginiana ssp. scopulorum, J. virginiana var. scopulorum, and Sabina scopulorum. The Juniperus genus is found in the Cupressaceae family. PLANTS database, this product is in the Family Cupressaceae or Cypress family and the genus, species and common names are correct. Synonyms are listed as: Juniperus scopulorum Sarg. var. columnaris Fassett; Juniperus virginiana L. ssp. scopulorum (Sarg.) E. Murr.; Juniperus virginiana L. var. montana Vasey; Juniperus virginiana L. var. scopulorum (Sarg.) Lemmon; Sabina scopulorum (Sarg.) Rydb.

Parent Product

780 - Pollens - Trees, Cedar, Rocky Mountain Juniperus scopulorum

Published Data

PMID 804829 reports on the Cupressaceae family to determine the relative importance of Juniperus/Cupressus in causing allergic disease in the San Francisco area. This is performed by assessing the immunogenicity and cross-reactivity in the skin test results from suspected Juniper cypress pollinosis patients. The following antigens were evaluated: Red cedar, Western Red cedar, American arbovitae, Western juniper, redwood, Australian pine, Port Oxford cypress, Monterey cypress, Arizona cypress, Mountain cedar, Pfitzer juniper, Incense cedar and Japanese sugi. Thirty individuals were tested. Patients with a positive skin test to Mountain cedar cross reacted with Red cedar, Western Red cedar, American arbovitae, Western junipers, Arizona cypress, Incense cedar, and Pfitzer juniper.

PMID 12897724 is a review of allergy and clinical immunology that reports pollens within the family Cupressaceae, such as: cedars, junipers, pfitzers (Juniperus spp, Thuja spp), and cypresses (Cupressus spp), are strongly cross-reactive and most studies reviewed demonstrated consistent cross-inhibition with both animal antisera and human IgE antibodies.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
783_JACI 112-229.pdf	12897724	Weber, R.W.	2003
773_AnnAllergy 2-87.pdf	804829	Yoo, T.J.	1975

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 781 - Pollens - Trees, Cedar, Salt (Tamarisk) Tamarix gallica

Recommended Common Name Tamarisk

Manufacturers of this Product

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)

Search Strategy

PubMed: Tamarix gallica immunotherapy; French tamarisk immunotherapy; Tamarix gallica

Google: Cedar tree allergy; Cedar tree allergy adverse; Cedar tree allergen; Cedar tree allergen adverse; same search results performed for Tamarix gallica

Nomenclature

According to ITIS, the scientific name, Tamarix gallica, is correct and current. Common names are saltcedar, tamarisk, and tamarix. The Tamarix genus is found in the Tamaricaceae family. According to PLANTS database, this product is found in the Family Tamaricaceae or Tamarix family. The genus and species are correct. The common name is French tamarisk.

Parent Product

781 - Pollens - Trees, Cedar, Salt (Tamarisk) Tamarix gallica

Related Products

782 - Pollens - Trees, Cedar, Salt Tamarix gallica

1259 - Pollens - Weeds and Garden Plants, Tamarisk (Salt Cedar) Tamarix gallica

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 782 - Pollens - Trees, Cedar, Salt Tamarix gallica

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: Tamarix gallica immunotherapy; French tamarisk immunotherapy; Tamarix gallica
Google: Cedar tree allergy; Cedar tree allergy adverse; Cedar tree allergen; Cedar tree allergen adverse; same search results performed for Tamarix gallica

Nomenclature

According to ITIS, the scientific name, Tamarix gallica, is correct and current. Common names are saltcedar, tamarisk, and tamarix. The Tamarix genus is found in the Tamaricaceae family. According to PLANTS database, this product is found in the Family Tamaricaceae or Tamarix family. The genus and species are correct. The common name is French tamarisk.

Parent Product

781 - Pollens - Trees, Cedar, Salt (Tamarisk) Tamarix gallica

Related Products

782 - Pollens - Trees, Cedar, Salt Tamarix gallica
1259 - Pollens - Weeds and Garden Plants, Tamarisk (Salt Cedar) Tamarix gallica

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 783 - Pollens - Trees, Cedar, White Thuja occidentalis

Recommended Common Name Cedar, Eastern White

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: thuja occidentalis allergens

Google: Cedar tree allergy; Cedar tree allergy adverse; Cedar tree allergen; Cedar tree allergen adverse; same search results performed for Thuja occidentalis

Nomenclature

According to ITIS, the scientific name, Thuja occidentalis, is correct and current. Common names are arborvitae, eastern white cedar, northern white cedar, northern white-cedar, swamp cedar. The Thuja genus is found in the Cupressaceae family. According to PLANTS database, this product is in the Family Cupressaceae or Cypress family. The genus and species are correct. The common name is listed as arborvitae. Additional common names are: French eastern white cedar, northern white cedar, northern white-cedar, swamp cedar. Synonyms are listed as: Thuja occidentalis L. var. fastigiata H. Jaeger, Thuja occidentalis L. var. nigra L. H. Bailey, Thuja occidentalis L. var. pyramidalis Zederb, Thuja occidentalis L. f. malonyana C. K. Schneid.

Parent Product

783 - Pollens - Trees, Cedar, White Thuja occidentalis

Published Data

Panel I (pg 3151) stated that patients with positive skin tests to Arizona cypress usually have positive skin tests to other trees, including Thuja occidentalis.

PMIDs 16450568, 804829, and 3958393 reported on allergy and/or skin test responses to Thuja occidentalis.

PMIDs 804829, 12897724 reported on cross-reactivity between tree pollens in the Cypress and Thuja genera.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
783_JACI 77-639.pdf	3958393	Cartier, A.	1986
773_AnnAllergy 2-87.pdf	804829	Yoo, T.J.	1975
783_JACI 112-229.pdf	12897724	Weber, R.W.	2003
719_Allergy Asthma Proc 26-352.pdf	16450568	Deane, P.M.	2005
719_Ann Allergy 34-87.pdf	804829	Yoo, T.J.	1975

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 784 - Pollens - Trees, Cherry Black Prunus serotina

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Prunus serotina; Prunus serotina allergens; Black Cherry

Google: black cherry tree allergy; black cherry tree allergy adverse; black cherry tree allergen; black cherry tree allergen adverse; same search results performed for Prunus serotina

Nomenclature

According to ITIS, the scientific name, Prunus serotina, is correct and current. Common names are black cherry and black chokecherry. Four varieties of Prunus serotina are listed: eximia, rufula, serotina, and virens. The Prunus genus is found in the Rosaceae family. According to PLANTS database, this product is in the Family Rosacea or Rose family and the genus, species, and common names are correct.

Parent Product

784 - Pollens - Trees, Cherry Black Prunus serotina

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 785 - Pollens - Trees, Cherry Prunus cerasus

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Prunus cerasus; Prunus cerasus allergens; Sour cherry; Sour cherry allergens

Google: cherry tree allergy; cherry tree allergy adverse; cherry tree allergen; cherry tree allergen adverse; same search results performed for Prunus cerasus

Nomenclature

According to ITIS, the scientific name, Prunus cerasus, is correct and current. The common name is sour cherry. The Prunus genus is found in the Rosaceae family. PLANTS database lists this product in the family of Rosacea or Rose Family, genus of Prunus L. or Plum, species of Prunus cerasus L. or Sour Cherry.

Parent Product

785 - Pollens - Trees, Cherry Prunus cerasus

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 786 - Pollens - Trees, Cherry Sweet Prunus avium

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Prunus avium allergens, pollen allergy; Prunus avium

Google: cherry tree allergy; cherry tree allergy adverse; cherry tree allergen; cherry tree allergen adverse; same search results performed for Prunus avium

Nomenclature

According to ITIS, the genus, species, and common names are correct. Synonym is listed as Cerasus avium (currently not accepted name). PLANTS database lists this product in the family of Rosacea or Rose family, genus of Prunus L. or plum and species - Prunus avium (L) L. - sweet cherry.

Parent Product

786 - Pollens - Trees, Cherry Sweet Prunus avium

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 787 - Pollens - Trees, Chestnut, American Castanea dentata

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Castanea dentata; Castanea dentat allergens; American chestnut

Google: chestnut tree allergy; chestnut tree allergy adverse; chestnut tree allergen; chestnut tree allergen adverse; same search results performed for Castanea dentata

Nomenclature

According to ITIS, the scientific name, Castanea dentata, is correct and current. Common name is American chestnut. Synonym is listed as Castanea Americana. PLANTS database lists this product in the family of Fagaceae or Beech Family, genus of Castanea P. Mill. or chestnut, species of Castanea dentata (Marsh.) Borkh. or American chestnut.

Parent Product

787 - Pollens - Trees, Chestnut, American Castanea dentata

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 788 - Pollens - Trees, Chestnut, Horse Aesculus hippocastanum

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Aesculus hippocastanum; Horse chestnut dermatitis

Google: chestnut tree allergy; chestnut tree allergy adverse; chestnut tree allergen; chestnut tree allergen adverse; same search results performed for Aesculus hippocastanum

Nomenclature

According to ITIS, the scientific name, Aesculus hippocastanum, is correct and current. The common name is horse chestnut. The genus, species, and common names are correct. No synonyms were listed. The Aesculus genus is found in the Hippocastanaceae family. PLANTS database lists this product in the family of Hippocastanaceae or Horse-chestnut family, genus of Aesculus L. or buckeye, species of Aesculus Hippocastanum L. or horse chestnut.

Parent Product

788 - Pollens - Trees, Chestnut, Horse Aesculus hippocastanum

Published Data

PMID 1456408 reported on an Austrian study of 214 urban area children and 207 rural area children who suffered from conjunctivitis, rhinitis, and/or breathlessness. Phadezym RAST testing was used to obtain IgE-specific antibodies to horse chestnut pollen. No skin testing was performed.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
788_NIH-11177532Doc.pdf	1456408	Popp, W.	1992

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 789 - Pollens - Trees, Cottonwood Populus spp.

Recommended Scientific Name Populus, (species to be specified)

Manufacturers of this Product

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: Populus

Google: cottonwood tree allergy; cottonwood tree allergy adverse; cottonwood tree allergen; cottonwood tree allergen adverse

Nomenclature

According to ITIS, there are twenty-five species within the Populus genus. The accepted name is cottonwood. No species was defined for this product. The Populus genus is found in the Salicaceae family.

Parent Product

789 - Pollens - Trees, Cottonwood Populus spp.

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 790 - Pollens - Trees, Cottonwood, Arizona Populus fremonti

Recommended Common Name Cottonwood, Fremont

Recommended Scientific Name Populus fremontii

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Populus fremonti allergy; Populus fremonti skin dermatitis, cottonwood; Fremont cottonwood; Arizona cottonwood; Meseta cottonwood allergy

Google: cottonwood tree allergy; cottonwood tree allergy adverse; cottonwood tree allergen; cottonwood tree allergen adverse; same search results performed for Populus fremonti and Populus fremontii

Nomenclature

According to ITIS, the correct spelling of Populus fremonti is Populus fremontii. The common names are cottonwood, Fremont cottonwood, or Fremont's cottonwood. One of the two subspecies, Populus fremontii ssp. mesetae, has Arizona cottonwood as its common name. This product is found in the Family of Salicaceae commonly called saules or willows.

Parent Product

796 - Pollens - Trees, Cottonwood, Fremont Populus fremonti

Related Products

790 - Pollens - Trees, Cottonwood, Arizona Populus fremonti

791 - Pollens - Trees, Cottonwood, Arizona Populus macdougalii

Published Data

PMIDs 12897724 and 12952099 note that there is strong cross-reactivity between Populus and Salix genus based on skin test correlations and Prausnitz-Küstner (P-K) neutralization. There is also moderate cross-reactivity between Salicaceae and Fagales members based on P-K neutralizations and passive hemagglutination inhibition.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
783_JACI 112-229.pdf	12897724	Weber, R.W.	2003
790_AAAI 91-A6.pdf	12952099	Weber, R.W.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 791 - Pollens - Trees, Cottonwood, Arizona Populus macdougalii

Recommended Common Name Cottonwood, Fremont

Recommended Scientific Name Populus fremontii

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Populus macdougalii

Google: cottonwood tree allergy; cottonwood tree allergy adverse; cottonwood tree allergen; cottonwood tree allergen adverse; same search results performed for Populus macdougalii

Nomenclature

According to ITIS, the current name of Populus macdougalii is Populus fremontii ssp. fremontii. The common names are Fremont cottonwood and Fremont's cottonwood. Synonyms are Populus arizonica, P. arizonica jonesi, P. arizonica var. jonesii, P. Canadensis var. fremontii, P. fremontii var. arizonica, P. fremontii var. macdougalii, P. fremontii var. macrodisca, P. fremontii var. pubescens, P. fremontii var. thomberi, P. fremontii var. tourneyi, and P. macdougalii. The Populus genus is found in the Salicaceae family (commonly called saules or willows).

Parent Product

796 - Pollens - Trees, Cottonwood, Fremont Populus fremonti

Related Products

790 - Pollens - Trees, Cottonwood, Arizona Populus fremonti

791 - Pollens - Trees, Cottonwood, Arizona Populus macdougalii

Published Data

PMIDs 12897724 and 12952099 note that there is strong cross-reactivity between Populus and Salix genus based on skin test correlations and Prausnitz-Küstner (P-K) neutralization. There is also moderate cross-reactivity between Salicaceae and Fagales members based on P-K neutralizations and passive hemagglutination inhibition.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
783_ JACI 112-229.pdf	12897724	Weber, R.W.	2003
790_ AAAI 91-A6.pdf	12952099	Weber, R.W.	2003

<u>Panels:</u>	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 792 - Pollens - Trees, Cottonwood, Black (Black Poplar) Populus nigra

Recommended Common Name Cottonwood, Black

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Populus nigra allergy; Popus nigra skin prick test

Google: cottonwood tree allergy; cottonwood tree allergy adverse; cottonwood tree allergen; cottonwood tree allergen adverse; same search results performed for Populus nigra

Nomenclature

According to ITIS, the scientific name, Populus nigra (TSN 22468), is correct and current. Common names are black cottonwood, black poplar, Lombardy poplar, and Lombardy's poplar. The genus, species, and common names are correct. Synonyms for this product are: Populus dilatata, P. italica, and P nigra var. italica. This product is found in the Family of Salicaceae commonly called saules or willows.

Parent Product

792 - Pollens - Trees, Cottonwood, Black (Black Poplar) Populus nigra

Related Products

1006 - Pollens - Trees, Poplar, Lombardy Populus nigra italica

Published Data

PMIDs 12897724 and 12952099 note that there is strong cross-reactivity between Populus and Salix genus based on skin test correlations and Prausnitz-Küstner (P-K) neutralization. There is also moderate cross-reactivity between Salicaceae and Fagales members based on P-K neutralizations and passive hemagglutination inhibition.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
783_JACI 112-229.pdf	12897724	Weber, R.W.	2003
790_AAAI 91-A6.pdf	12952099	Weber, R.W.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 793 - Pollens - Trees, Cottonwood, Black Populus trichocarpa

Recommended Scientific Name Populus balsamifera ssp. Trichocarpa

Manufacturers of this Product

- Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
- Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
- Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
- ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
- Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)

Search Strategy

PubMed: Populus trichocarpa

Google: cottonwood tree allergy; cottonwood tree allergy adverse; cottonwood tree allergen; cottonwood tree allergen adverse; same search results performed for Populus trichocarpa

Nomenclature

According to ITIS, the current name of Populus trichocarpa is Populus balsamifera ssp. trichocarpa. Common names are balsam poplar and black cottonwood. Synonyms are Populus balsamifera var. californica, P. hastata, P. trichocarpa, P. trichocarpa var. cupulata, P. trichocarpa ssp. hastata, P. trichocarpa var. hastate, and P. trichocarpa var. ingrate. This product is found in the Family of Salicaceae commonly called saules or willows.

Parent Product

793 - Pollens - Trees, Cottonwood, Black Populus trichocarpa

Published Data

PMIDs 12897724 and 12952099 note that there is strong cross-reactivity between Populus and Salix genus based on skin test correlations and Prausnitz-Küstner (P-K) neutralization. There is also moderate cross-reactivity between Salicaceae and Fagales members based on P-K neutralizations and passive hemagglutination inhibition.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
783_JACI 112-229.pdf	12897724	Weber, R.W.	2003
790_AAAI 91-A6.pdf	12952099	Weber, R.W.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 794 - Pollens - Trees, Cottonwood, Common Populus deltoides

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)

Search Strategy

PubMed: Populus deltoides; Populus deltoides allergy

Google: cottonwood tree allergy; cottonwood tree allergy adverse; cottonwood tree allergen; cottonwood tree allergen adverse; same search results performed for Populus deltoides

Nomenclature

According to ITIS, the scientific name, Populus deltoides, is correct and current. Common names are common cottonwood, cottonwood, eastern cottonwood, and plains cottonwood. The genus, species, and common names are correct. One variety and three subspecies are listed for P. deltoides. This product is found in the family of Salicaceae commonly called saules or willows.

Parent Product

794 - Pollens - Trees, Cottonwood, Common Populus deltoides

Related Products

795 - Pollens - Trees, Cottonwood, Eastern Populus deltoides

1003 - Pollens - Trees, Poplar Populus deltoides

Published Data

PMIDs 12897724 and 12952099 note that there is strong cross-reactivity between Populus and Salix genus based on skin test correlations and Prausnitz-Küstner (P-K) neutralization. There is also moderate cross-reactivity between Salicaceae and Fagales members based on P-K neutralizations and passive hemagglutination inhibition.

In PMID 12221895 hypersensitivity to P. deltoides was assessed serologically by Immunocap system and scored based on a modified radioallergosorbent test (RAST).

PMID 8766742 reports that 30 % of allergic patients was skin test positive to Populus (Poplar).

In PMID 10482847 skin prick tests were performed using Populus pollen. Fifty-three out of 57 in the peach and pollen group had positive skin prick tests and 33 out of 95 of the pollen control group was skin prick positive to Populus pollen.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
783_JACI 112-229.pdf	12897724	Weber, R.W.	2003
790_AAAI 91-A6.pdf	12952099	Weber, R.W.	2003
883_Asthma Allergy Proc 23-253.pdf	12221895	Lin, R.Y.	2002
1003_Allergol et Immunopathol 24-116.pdf	8766742	Güneser, S.	1996
961_J Clin Allergy Immunol 104-688.pdf	10482847	Cuesta-Herranz, J.	1999

<u>Panels:</u>	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 795 - Pollens - Trees, Cottonwood, Eastern Populus deltoides

Recommended Common Name Cottonwood, Common

Manufacturers of this Product

- Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
- Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
- ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
- Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
- Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Populus deltoides; Populus deltoides allergy
Google: cottonwood tree allergy; cottonwood tree allergy adverse; cottonwood tree allergen; cottonwood tree allergen adverse; same search results performed for Populus deltoides

Nomenclature

According to ITIS, the scientific name, Populus deltoids, is correct and current. Common names are common cottonwood, cottonwood, eastern cottonwood, and plains cottonwood. The genus, species, and common names are correct. One variety and three subspecies are listed for P. deltoids. This product is found in the family of Salicaceae commonly called saules or willows.

Parent Product

794 - Pollens - Trees, Cottonwood, Common Populus deltoides

Related Products

- 795 - Pollens - Trees, Cottonwood, Eastern Populus deltoides
- 1003 - Pollens - Trees, Poplar Populus deltoides

Published Data

PMIDs 12897724 and 12952099 note that there is strong cross-reactivity between Populus and Salix genus based on skin test correlations and Prausnitz-Küstner (P-K) neutralization. There is also moderate cross-reactivity between Salicaceae and Fagales members based on P-K neutralizations and passive hemagglutination inhibition.

In PMID 12221895 hypersensitivity to P. deltoides was assessed serologically by Immunocap system and scored based on a modified radioallergosorbent test (RAST).

PMID 8766742 reports that 30 % of allergic patients was skin test positive to Populus (Poplar).

In PMID 10482847 skin prick tests were performed using Populus pollen. Fifty-three out of 57 in the peach and pollen group had positive skin prick tests and 33 out of 95 of the pollen control group was skin prick positive to Populus pollen.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
783_ JACI 112-229.pdf	12897724	Weber, R.W.	2003
790_ AAAI 91-A6.pdf	12952099	Weber, R.W.	2003
883_ Asthma Allergy Proc 23-253.pdf	12221895	Lin, R.Y.	2002
1003_ Allergol et Immunopathol 24-116.pdf	8766742	Güneser, S.	1996
961_ J Clin Allergy Immunol 104-688.pdf	10482847	Cuesta-Herranz, J.	1999

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category II	Category I

Product: 796 - Pollens - Trees, Cottonwood, Fremont Populus fremonti

Recommended Scientific Name Populus fremontii

Manufacturers of this Product

- Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
- Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
- ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
- Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)

Search Strategy

PubMed: Populus fremonti allergy; Populus fremonti skin dermatitis; Arizona cottonwood; Fremont cottonwood; Arizona cottonwood; Meseta cottonwood allergy
Google: cottonwood tree allergy; cottonwood tree allergy adverse; cottonwood tree allergen; cottonwood tree allergen adverse; same search results performed for Populus fremonti and Populus fremontii

Nomenclature

According to ITIS, the correct spelling of Populus fremonti is Populus fremontii. The common names are cottonwood, Fremont cottonwood, or Fremont's cottonwood. One of the two subspecies, Populus fremontii ssp. mesetae, has Arizona cottonwood as its common name. This product is found in the Family of Salicaceae commonly called saules or willows.

Parent Product

796 - Pollens - Trees, Cottonwood, Fremont Populus fremonti

Related Products

- 790 - Pollens - Trees, Cottonwood, Arizona Populus fremonti
- 791 - Pollens - Trees, Cottonwood, Arizona Populus macdougalii

Published Data

PMIDs 12897724 and 12952099 note that there is strong cross-reactivity between Populus and Salix genus based on skin test correlations and Prausnitz-Küstner (P-K) neutralization. There is also moderate cross-reactivity between Salicaceae and Fagales members based on P-K neutralizations and passive hemagglutination inhibition.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
783_JACI 112-229.pdf	12897724	Weber, R.W.	2003
790_AAAI 91-A6.pdf	12952099	Weber, R.W.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 797 - Pollens - Trees, Cottonwood, Ornamental, Populus eugenei

Recommended Common Name Carolina poplar

Recommended Scientific Name Populus X canadensis

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Populus eugenei

Google: cottonwood tree allergy; cottonwood tree allergy adverse; cottonwood tree allergen; cottonwood tree allergen adverse; same search results performed for Populus eugenei and Populus eugenie

Nomenclature

According to ITIS, the only species containing eugenei was Populus canadensis var. eugenei. The current name of Populus canadensis var. eugenei is Populus X canadensis. The common name is Carolina poplar. Synonyms are Populus Canadensis var. eugenei, P. Canadensis var. serotina, Populus X eugenei, and Populus euramericana. This product is found in the family of Salicaceae which is commonly called saules or willows.

Parent Product

797 - Pollens - Trees, Cottonwood, Ornamental, Populus eugenei

Published Data

PMID reference numbers 12897724 and 12952099 report that there is strong cross-reactivity between Populus and Salix genus based on skin test correlations and Prausnitz-Küstner (P-K) neutralization. There is also moderate cross-reactivity between Salicaceae and Fagales members based on P-K neutralizations and passive hemagglutination inhibition.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
783_JACI 112-229.pdf	12897724	Weber, R.W.	2003
790_AAAI 91-A6.pdf	12952099	Weber, R.W.	2003

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 798 - Pollens - Trees, Cottonwood, Rio Grande, Populus wislizenii

Recommended Common Name Rio Grande cottonwood

Recommended Scientific Name Populus deltoides ssp. Wislizeni

Manufacturers of this Product

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Search Strategy

PubMed: Populus wislizenii

Google: cottonwood tree allergy; cottonwood tree allergy adverse; cottonwood tree allergen; cottonwood tree allergen adverse; same search results performed for Populus wislizenii and Populus wislizeni

Nomenclature

According to ITIS, the correct spelling of Populus wislizenii is Populus wislizeni. The current name is Populus deltoides ssp. wislizeni. Common name is Rio Grande cottonwood. Synonyms are Populus deltoides var wislizeni, P. fremontii var. wislizeni, and Populus wislizeni. The Populus genus is found in the Salicaceae family, commonly called saules or willows.

Parent Product

798 - Pollens - Trees, Cottonwood, Rio Grande, Populus wislizenii

Published Data

PMIDs 12897724 and 12952099 report strong cross-reactivity between Populus and Salix genus based on skin test correlations and Prausnitz-Küstner (P-K) neutralization. There is also moderate cross-reactivity between Salicaceae and Fagales members based on P-K neutralizations and passive hemagglutination inhibition.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
783_JACI 112-229.pdf	12897724	Weber, R.W.	2003
790_AAAI 91-A6.pdf	12952099	Weber, R.W.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 799 - Pollens - Trees, Cottonwood, Western Populus sargentii

Recommended Common Name Cottonwood, Plains

Recommended Scientific Name Populus deltoides ssp. Monilifera

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Populus sargentii

Google: cottonwood tree allergy; cottonwood tree allergy adverse; cottonwood tree allergen; cottonwood tree allergen adverse; same search results performed for Populus sargentii

Nomenclature

According to ITIS, the current name of Populus sargentii is Populus deltoides ssp. monilifera. The common names are eastern cottonwood or plains cottonwood. Synonyms are Monilistus monilifera, Populus besseyana, P. deltoides var. occidentalis, P. monilifera, P. occidentalis, P. sargentii, P. sargentii var. texana, and P. texana. The Populus genus is found in the Salicaceae family, commonly called saules or willows.

Parent Product

799 - Pollens - Trees, Cottonwood, Western Populus sargentii

Published Data

PMIDs 12897724 and 12952099 Notes that there is strong cross-reactivity between Populus and Salix genus based on skin test correlations and Prausnitz-Küstner (P-K) neutralization. There is also moderate cross-reactivity between Salicaceae and Fagales members based on P-K neutralizations and passive hemagglutination inhibition.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
783_ JACI 112-229.pdf	12897724	Weber, R.W.	2003
790_ AAAI 91-A6.pdf	12952099	Weber, R.W.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 800 - Pollens - Trees, Cypress, Arizona Cupressus arizonica

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Arizona cypress; Cupressus arizonica allergens; Arizona smooth cypress, Cuyamaca cypress, Piute cypress
Google: cypress allergy; cypress allergy adverse; cypress allergen; cypress allergen adverse; same search results performed for Cupressus arizonica

Nomenclature

According to ITIS, the scientific name, Cupressus arizonica, is correct and current. Common names are Arizona cypress, Arizona smooth cypress, Cuyamaca cypress, and Piute cypress. Synonym is Cupressus arizonica bonita. Three subspecies for C. arizonica are listed: arizonica, nevadensis, stephensonii. The Cupressus genus is found in the Cupressaceae family, also known as cypress or redwood.

Parent Product

800 - Pollens - Trees, Cypress, Arizona Cupressus arizonica

Published Data

Panel I (pg 3151) reported that patients with positive skin tests to Arizona cypress usually have positive skin prick tests to Monterey cypress, mountain cedar or Juniperus sabinoides, western red cedar or Thuja plicata, American arborvitae or Thuja occidentalis, western juniper, Pfizer juniper and incense cedar. Panel 1 did not find any controlled studies indicating that immunotherapy with cypress pollen extracts will reduce symptoms of cypress pollinosis better than placebo or will induce changes in specific IgG or IgE antibodies.

PMID # 11576077 reports on the isolation, characterization, and glycan analysis of Cup a 1, the major 43-kDa allergen of Cupressus arizonica pollen. The paper identified some similarities of amino-acid sequences and some complex glycan structures that could explain the high degree of cross-reactivity among the Cupressaceae and Toxicodiaceae families.

PMID # 15080828 describes the cloning and expression of C. arizonica pollen protein Cup a 3. Cup a 3 is a PR-5 protein. The Cupressaceae family has two closely related genera: Cupressus and Juniperus. Pollen allergenicity was demonstrated by skin tests and radioallergosorbent test inhibition. The sera from 104 patients allergic to C. arizonica pollen were examined for binding of IgE to Cup a 3 by immunoblot. The positive sera with IgE antibodies for rCup a 3 was 63%, defining Cup a 3 as the second major allergen in C. arizonica.

PMID# 804829 reports on immunogenicity and cross-antigenicity of conifer pollens in man. The following antigens were evaluated: Red cedar, Western Red cedar, American arborvitae, Western juniper, redwood, Australian pine, Port Oxford cypress, Monterey cypress, Arizona cypress, Mountain cedar, Pfizer juniper, Incense cedar and Japanese sugi. Thirty individuals were tested with extracts of the local evergreen plants or those to which their travels might expose them. The extracts were used at 1:20 weight to volume dilution for scratch testing and 1:500 for intradermal testing. Only 16 out of 30 individuals gave positive reactions to these antigens. Patients found to have a positive skin test to Mountain cedar (15 of 16 instances) also reacted to Monterey cypress. Patients with a positive skin test to Pfizer juniper (15 of 16 instances) also had positive reaction to Monterey cypress. Cross-reactivity appears to center in that group of conifers which are members of the Cupressaceae family.

PMID# 12897724 is a review of allergy and clinical immunology. In the order Coniferales is Cupressaceae, a large family, which includes cedars, junipers, pfitzers (Juniperus spp, Thuja spp), and cypresses (Cupressus spp). Members of Cupressaceae are strongly cross-reactive with most studies demonstrating consistent cross-inhibition with both animal antisera and human IgE antibodies

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
800_ Allergy 56-978.pdf	11576077	Alisi, C.	2001
800_ Allergy 59-485.pdf	15080828	Cortegano, I.	2003
800_ JAllergyClinImmun 547.pdf	8083460	Di Felice, G.	1994
800_ JAllergyClinImmun 755.pdf	9648702	Iacovacci, P.	1998
800_ AllergyImmuno 37 (3) - 103.pdf	15918297	Ariano, R.	2005

773_ AnnAllergy 2-87.pdf	804829	Yoo, T.J.	1975
783_ JACI 112-229.pdf	12897724	Weber, R.W.	2003
800_ JAllergyClinImmunol 98(4)-797.pdf	8876556	Barletta, B.	1996

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 801 - Pollens - Trees, Cypress, Bald Taxodium distichum

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Taxodium distichum allergens; bald cypress allergens; bald cypress
Google: cypress allergy; cypress allergy adverse; cypress allergen; cypress allergen adverse; same search results performed for Taxodium distichum

Nomenclature

According to ITIS, the scientific name, Taxodium distichum, is correct and current. Common names are bald cypress and baldcypress. Synonym is Cupressus disticha. The Taxodium genus is found in the Taxodiaceae family.

Parent Product

801 - Pollens - Trees, Cypress, Bald Taxodium distichum

Published Data

Panel I (pg 3151) stated that various species of cypress are recognized around the world including C. sempervirens (Italian or Mediterranean cypress), C. arizonica (Arizona cypress), C. lusitanica (Mexican or Portuguese cypress), C. macrocarpa and C. torulosa. Panel 1 did not report on Taxodium distichum.

PMID # 11576077 and 9648702 report on the cross-reactivity between Cupressaceae and Taxodiaceae families. Neither paper evaluates Taxodium distichum.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
800_ Allergy 56-978.pdf	11576077	Alisi, C.	2001
800_ JAllergyClinImmun 755.pdf	9648702	Iacovacci, P.	1998

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 802 - Pollens - Trees, Cypress, Italian Cupressus sempervirens

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: Cupressus sempervirens allergens

Google: cypress allergy; cypress allergy adverse; cypress allergen; cypress allergen adverse; same search results performed for Cupressus sempervirens

Nomenclature

According to ITIS, the common name, Cupressus sempervirens, is correct and current. Common name is Italian cypress. The genus, species, and common names are correct. The Cupressus genus is found in the Cupresseceae family.

Parent Product

802 - Pollens - Trees, Cypress, Italian Cupressus sempervirens

Published Data

Panel I (pg 3151) reported that patients with positive skin tests to Arizona cypress usually have positive skin prick tests to Monterey cypress, mountain cedar or Juniperus sabinoides, western red cedar or Thuja plicata, American arborvitae or Thuja occidentalis, wester juniper, Pftizer juniper and incense cedar. Panel 1 did not find any controlled studies indicating that immunotherapy with cypress pollen extracts will reduce symptoms of cypress pollinosis better than placebo or will induce changes in specific IgG or IgE antibodies.

PMID 11576077 reports on the isolation, characterization, and glycan analysis of Cup a 1, the major 43-kDa allergen of Cupressus arizonica pollen. The paper identified some similarities of amino-acid sequences and some complex glycan structures that could explain the high degree of cross-reactivity among the Cupressacea and Toxodiaceae families.

PMID 15080828 describes the cloning and expression of C. arizonica pollen protein Cup a 3. Cup a 3 is a PR-5 protein. The Cupressaceae family has two closely related genera: Cupressus and Junipreus. Pollen allergenicity was demonostrated by skin tests and radioallergosorbent test inhibition. The sera from 104 patients allergic to C. arizonica pollen were examined for binding of IgE to Cup a 3 by immunoblot. The positive sera with IgE antibodies for rCup a 3 was 63%, defining Cup a 3 as the second major allergen in C. arizonica.

PMID 804829 reports on immunogenicity and cross-antigenicity of conifer pollens in man. The following antigens were evaluated: Red cedar, Western Red cedar, American arborvitae, Western juniper, redwood, Australian pine, Port Oxford cypress, Monterey cypress, Arizona cypress, Mountain cedar, Pftizer juniper, Incense cedar and Japanese sugi. Thirty individuals were tested with extracts of the local evergreen plants or those to which their travels might expose them. The extracts were used at 1:20 weight to volume dilution for scratch testing and 1:500 for intradermal testing. Only 16 out of 30 individuals gave positive reactions to these antigens. Patients found to have a positive skin test to Mountain Cedar (15 of 16 instances) also reacted to Monterey cypress. Patients with a positive skin test to Pftizer juniper (15 of 16 instances) also will have positive reaction to Monterey cypress. Cross-reactivity appears to center in that group of conifers which are members of the Cupressaceae family.

PMID 12897724 is a review of allergy and clinical immunology. In the order Coniferales is Cupressaceae, a large family, which includes cedars, junipers, pftizers (Juniperus spp, Thuja spp), and cypresses (Cupressus spp). Members of Cupressacea are strongly cross-reactive with most studies demonstrating consistent cross-inhibition with both animal antisera and human IgE antibodies

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
800_ Allergy 56-978.pdf	11576077	Alisi, C.	2001
773_ AnnAllergy 2-87.pdf	804829	Yoo, T.J.	1975
783_ JACI 112-229.pdf	12897724	Weber, R.W.	2003
800_ Allergy 59-485.pdf	15080828	Cortegano, I.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 803 - Pollens - Trees, Cypress, Mexican Taxodium mucronatum

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Taxodium mucronatum; Mexican cypress

Google: cypress allergy; cypress allergy adverse; cypress allergen; cypress allergen adverse; same search results performed for Taxodium mucronatum and Taxodium mucronatum

Nomenclature

According to ITIS, the correct spelling of Taxodium mucronatum is Taxodium mucronatum. Common names are Mexican cypress, Montezuma bald cypress, Montezuma baldcypress, and sabino. The Taxodium genus is found in the Taxodiaceae family.

Parent Product

803 - Pollens - Trees, Cypress, Mexican Taxodium mucronatum

Published Data

Panel I (pg 3151) stated that various species of cypress are recognized around the world including *C. sempervirens* (Italian or Mediterranean cypress), *C. arizonica* (Arizona cypress), *C. lusitanica* (Mexican or Portuguese cypress), *C. macrocarpa* and *C. torulosa*. Panel 1 did not report on Taxodium mucronatum.

PMIDs 11576077 and 9648702 report on the cross reactivity between Cupressaceae and Taxodiaceae families. Neither paper evaluates Taxodium mucronatum.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
800_ Allergy 56-978.pdf	11576077	Alisi, C.	2001
800_ JAllergyClinImmun 755.pdf	9648702	Iacovacci, P.	1998

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 804 - Pollens - Trees, Cypress, Monterey Cupressus macrocarpa

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: Cupressus macrocarpa allergens; Cupressu macrocarpa

Google: cypress allergy; cypress allergy adverse; cypress allergen; cypress allergen adverse; same search results performed for Cupressus macrocarpa

Nomenclature

According to ITIS, the scientific name, Cupressus macrocarpa, is correct and current. Common names are Monterey cypress and Monterrey cypress. The genus, species, and common names are correct. This product is listed in the Family of Cupresseceae.

Parent Product

804 - Pollens - Trees, Cypress, Monterey Cupressus macrocarpa

Published Data

Panel I (pg 3151) reported that patients with positive skin tests to Arizona cypress usually have positive skin prick tests to Monterey cypress, mountain cedar or Juniperus sabinoides, western red cedar or Thuja plicata, American arborvitae or Thuja occidentalis, wester juniper, Pfitzer juniper and incense cedar. Panel 1 did not find any controlled studies indicating that immunotherapy with cypress pollen extracts will reduce symptoms of cypress pollinosis better than placebo or will induce changes in specific IgG or IgE antibodies.

PMID 11576077 reports on the isolation, characterization, and glycan analysis of Cup a 1, the major 43-kDa allergen of Cupressus arizonica pollen. The paper identified some similarities of amino-acid sequences and some complex glycan structures that could explain the high degree of cross-reactivity among the Cupressacea and Toxicodiaceae families.

PMID 804829 reports on immunogenicity and cross-antigenicity of conifer pollens in man. The following antigens were evaluated: Red cedar, Western Red cedar, American arborvitae, Western juniper, redwood, Australian pine, Port Oxford cypress, Monterey cypress, Arizona cypress, Mountain cedar, Pfitzer juniper, Incense cedar and Japanese sugi. Thirty individuals were tested with extracts of the local evergreen plants or those to which their travels might expose them. The extracts were used at 1:20 weight to volume dilution for scratch testing and 1:500 for intradermal testing. Only 16 out of 30 individuals gave positive reactions to these antigens. Patients found to have a positive skin test to Mountain cedar (15 of 16 instances) also reacted to Monterey cypress. Patients with a positive skin test to Pfitzer juniper (15 of 16 instances) also will have positive reaction to Monterey cypress. Cross-reactivity appears to center in that group of conifers which are members of the Cupressaceae family.

PMID 12897724 is a review of allergy and clinical immunology. Cupressaceae, a large family, is in the order Coniferales, which includes cedars, junipers, pfitzers (Juniperus spp, Thuja spp), and cypresses (Cupressus spp). Members of Cupressacea are strongly cross-reactive with most studies demonstrating consistent cross-inhibition with both animal antisera and human IgE antibodies

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
800_ Allergy 56-978.pdf	11576077	Alisi, C.	2001
773_ AnnAllergy 2-87.pdf	804829	Yoo, T.J.	1975
783_ JACI 112-229.pdf	12897724	Weber, R.W.	2003

<u>Panels:</u>	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 805 - Pollens - Trees, Cypress, White Cupressus alba

Recommended Scientific Name Callitris glaucophylla

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Cupressus alba

Google: cypress allergy; cypress allergy adverse; cypress allergen; cypress allergen adverse; same search results performed for Cupressus alba

Nomenclature

Cupressus alba was not listed in ITIS. White cypress is listed as Callitris glaucophylla. Callitris glaucophylla is listed in the Family Cupressaceae.

Parent Product

805 - Pollens - Trees, Cypress, White Cupressus alba

Published Data

PMID 804829 reports on immunogenicity and cross-antigenicity of conifer pollens in man. The following antigens were evaluated: Red cedar, Western Red cedar, American arborvitae, Western juniper, redwood, Australian pine, Port Oxford cypress, Monterey cypress, Arizona cypress, Mountain cedar, Pfitzer juniper, Incense cedar and Japanese sugi. Thirty individuals were tested with extracts of the local evergreen plants or those to which their travels might expose them. The extracts were used at 1:20 weight to volume dilution for scratch testing and 1:500 for intradermal testing. Only 16 out of 30 individuals gave positive reactions to these antigens. Patients found to have a positive skin test to Mountain cedar (15 of 16 instances) also reacted to Monterey cypress. Patients with a positive skin test to Pfitzer juniper (15 of 16 instances) also will have positive reaction to Monterey cypress. Cross-reactivity appears to center in that group of conifers which are members of the Cupressaceae family.

PMID 12897724 is a review of allergy and clinical immunology. Cupressaceae, a large family, is in the order Coniferales which includes cedars, junipers, pfitzers (Juniperus spp, Thuja spp), and cypresses (Cupressus spp). Members of Cupressaceae are strongly cross-reactive with most studies demonstrating consistent cross-inhibition with both animal antisera and human IgE antibodies

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
773_ AnnAllergy 2-87.pdf	804829	Yoo, T.J.	1975
783_ JACI 112-229.pdf	12897724	Weber, R.W.	2003

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 806 - Pollens - Trees, Dogwood Cornus nuttallii

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Cornus nuttallii; Pacific dogwood; Pacific dogwood allergens

Google: dogwood tree allergy; dogwood tree allergy adverse; dogwood tree allergen; dogwood tree allergen adverse; same search results performed for Cornus nuttallii

Nomenclature

According to ITIS, the scientific name, Cornus nuttallii, is correct and current. The common name is Pacific dogwood. The genus, species, and common names are correct. Product is listed in the family of Cornaceae.

Parent Product

806 - Pollens - Trees, Dogwood Cornus nuttallii

Published Data

No supportive data were identified.

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 807 - Pollens - Trees, Dogwood Flowering Cornus florida

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Cornus florida allergens; Dogwood allergens; Flowering dogwood allergens; Flowering dogwood; Cynoxylon floridum allergens

Google: dogwood tree allergy; dogwood tree allergy adverse; dogwood tree allergen; dogwood tree allergen adverse; same search results performed for Cornus florida

Nomenclature

According to ITIS, the scientific name is Cornus florida. Common name is flowering dogwood. The genus, species, and common names are correct. Synonym is Cynoxylon floridum. Product is listed in the family of Cornaceae.

Parent Product

807 - Pollens - Trees, Dogwood Flowering Cornus florida

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 808 - Pollens - Trees, Elderberry Sambucus cerulea

Recommended Scientific Name Sambucus nigra ssp. cerulean

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Blue elderbery allergens; Blue elderbery allergens; Sambucus cerulea

Google: elderberry allergy; elderberry allergy adverse; elderberry allergen; elderberry allergen adverse; same search results performed for Sambucus cerulea

Nomenclature

According to ITIS, the current name of Sambucus cerulean is Sambucus nigra ssp. cerulean. Common names are blue elderberry and elderberry. Synonyms are Sambucus cerulean, S. cerulean var. neomexicana, S. cerulean var. velutina, S. glauca, S. mexicana var. cerulea, S. mexicana ssp. cerulea, S. mexicana, S. neomexicana, S. neomexicana var. vestita, and S. velutina. This product is listed in the family of Caprifoliaceae.

Parent Product

808 - Pollens - Trees, Elderberry Sambucus cerulea

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 809 - Pollens - Trees, Elderberry Sambucus glauca

Recommended Scientific Name Sambucus nigra ssp. cerulea

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Sambucus glauca; Blue elder allergens

Google: elderberry allergy; elderberry allergy adverse; elderberry allergen; elderberry allergen adverse; same search results performed for Sambucus glauca

Nomenclature

According to ITIS, the current name of Sambucus glauca is Sambucus nigra ssp. cerulea. Common names are blue elderberry and elderberry. Synonyms are Sambucus cerulean, S. cerulean var. neomexicana, S. cerulean var. velutina, S. glauca, S. mexicana var. cerulea, S. mexicana ssp. cerulea, S. neomexicana, S. neomexicana var. vestita, and S. velutina. This product is listed in the family of Caprifoliaceae.

Parent Product

809 - Pollens - Trees, Elderberry Sambucus glauca

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 810 - Pollens - Trees, Elderberry Sambucus spp.

Recommended Scientific Name Sambucus, (species to be specified)

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Blue elderberry allergens; Blue elderberry allergens; Sambucus

Google: elderberry allergy; elderberry allergy adverse; elderberry allergen; elderberry allergen adverse; same search results performed for Sambucus

Nomenclature

According to ITIS, Sambucus is a current genus. There are six varieties, one subspecies and three species within this genus. This product is listed in the family of Caprifoliaceae.

Parent Product

810 - Pollens - Trees, Elderberry Sambucus spp.

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 811 - Pollens - Trees, Elderberry, Black Sambucus nigra

Recommended Common Name Elderberry, European Black

Recommended Scientific Name Sambucus nigra

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Sambucus nigra allergens; Black elderberry

Google: elderberry allergy; elderberry allergy adverse; elderberry allergen; elderberry allergen adverse; same search results performed for Sambucus nigra

Nomenclature

According to ITIS, the scientific name is Sambucus nigra. Common names are European black elder, European black elderberry, and European elderberry. The genus, species and common names are correct. This product is listed in the family of Caprifoliaceae.

Parent Product

811 - Pollens - Trees, Elderberry, Black Sambucus nigra

Published Data

PMID 14656358 attempts to identify Sam n 1 as the major allergen in S. nigra. Nine patients reporting symptoms consistent with type I allergy after inhalative or dietary contact with elderberry blossoms were tested by skin prick test (SPT), and/or specific IgE antibodies (CAP-FEIA System). Furthermore, data of 3668 elderberry SPT performed in routine setting of diagnosis for type I allergic sensitization were evaluated, retrospectively. 0.6% of 3668 randomly tested patients showed positive skin prick test and/or RAST to elderberry. IgE in patients' sera detected a predominant allergen of 33.2 kDa in extracts from elderberry pollen, flowers, and berries with an isoelectric point at pH 7.0. Pre-incubation of sera with extract from birch, mugwort, or grass pollen rendered insignificant or no inhibition of IgE binding to blotted elderberry proteins.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
811_ClinExpAllergy 33-1703.pdf	14656358	Förster-Waldl, E.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 812 - Pollens - Trees, Elderberry, Camperdown Ulmus glabr

Recommended Common Name Elm, Wych

Recommended Scientific Name Ulmus glabra

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Ulmus glabra allergens; Ulmus glabra

Google: elderberry allergy; elderberry allergy adverse; elderberry allergen; elderberry allergen adverse; same search results performed for Ulmus glabr and Ulmus glabra

Nomenclature

According to ITIS, the correct spelling of Ulmus glabr is Ulmus glabra. The common name is Wych elm. Synonym is Ulmus campestris. This product is listed in the family of Ulmaceae.

Parent Product

812 - Pollens - Trees, Elderberry, Camperdown Ulmus glabr

Published Data

Panel 1 (pg 3156) reported on three studies that used elm pollen extract for diagnosis.

PMID 751527 is a clinical study that evaluated 62 hay fever patients with 12 different allergens. Elm (Ulmus glabra) was one of the allergens tested using skin test, nasal provocation and RAST inhibition.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
813_Allergy-33-299.pdf	751527	Eriksson, N.E.	1978

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 813 - Pollens - Trees, Elm Mix Ulmus spp.

Recommended Scientific Name Ulmus, (species to be specified)

Manufacturers of this Product

- Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
- Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
- Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
- Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)
- Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: ulmus allergen; ulmus allergy; ulmus immunotherapy; elm tree allergen; elm tree allergy; elm tree immunotherapy; elm immunotherapy; ulmus pumila; ulmus pumila allergy; ulmus Americana; ulmus americana allergy; ulmus americana immunotherapy

Google: elm tree allergy; elm tree allergy adverse; elm tree allergen; elm tree allergen adverse; same search results performed for Ulmus

Nomenclature

According to ITIS, there are eleven species within the Ulmus genus. This product is marked as a mixture.

Parent Product

813 - Pollens - Trees, Elm Mix Ulmus spp.

Published Data

PMID 12221895 concludes that Ulmus americana is not necessary in a minimum panel of tree allergens, but that a significant number of tree allergic subjects were allergic to elm pollen.

PMID 1147318 is from 1978 and also concludes that elm pollen was less reactive than other tree pollens, but did not address whether elm was necessary. Data compiled from 2614 subjects with allergy to mixed trees is reported.

PMID # 15783130 reported that 19 (3.5%) out of 289 children with asthma, allergic rhinitis, or both had allergy to Ulmus compestris. Allergenicity was determined by skin prick test.

The remainder of publications report low but significant reactivity to Elm. Currently however, only American, English, and Chines Elm (inferred to be two species, parvifolia and pumila) are reported as allergens.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
813_ AAProc-23-253.pdf	12221895	Lin, R.Y.	2002
813_ AsPacJAllImm-22-183.pdf	15783130	Yazicioglu, M.	2004
813_ Allergy-33-299.pdf	751527	Eriksson, N.E.	1978
813_ JAIIClinImm-77-53.pdf	3944375	Grammer, L.C.	1986
813_ Annals Allergy-35-113.pdf	1147318	Lewis, W.H.	1975
813_ IntlArchAllApplImmunol-73-1.pdf	6693177	Patterson, R.	1984

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 814 - Pollens - Trees, Elm, American Ulmus americana

Recommended Common Name Elm, American

Recommended Scientific Name Ulmus americana

Manufacturers of this Product

- Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
- Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
- Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
- ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
- Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
- Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: ulmus Americana; ulmus americana allergy; ulmus americana immunotherapy
Google: elm tree allergy; elm tree allergy adverse; elm tree allergen; elm tree allergen adverse; same search results performed for Ulmus americana

Nomenclature

According to ITIS, the scientific name is Ulmus americana. The common name is American elm. The genus, species, and common names are correct. The Ulmus genus is found in the family of Ulmaceae.

Parent Product

814 - Pollens - Trees, Elm, American Ulmus americana

Published Data

PMID 1221895 concludes that Ulmus americana is not necessary in a minimum panel of tree allergens, but that a significant number of tree allergic subjects were allergic to elm pollen.

PMID 1147318 is from 1978 and also concludes that elm pollen was less reactive than other tree pollens, but did not address whether elm was necessary. Data compiled from 2614 subjects with allergy to mixed trees is reported.

PMID 15783130 reported that 19 (3.5%) out of 289 children with asthma, allergic rhinitis, or both had allergy to Ulmus compestris. Allergenicity was determined by skin prick test.

The remainder of publications report low but significant reactivity to Elm. Currently however, only American, English, and Chines Elm (inferred to be two species, parvifolia and pumila) are reported as allergens.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
813_ AAProc-23-253.pdf	1221895	Lin, R.Y.	2002
813_ Annals Allergy-35-113.pdf	1147318	Lewis, W.H.	1975

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 815 - Pollens - Trees, Elm, Cedar Ulmus crassifolia

Recommended Common Name Elm, Cedar

Recommended Scientific Name Ulmus crassifolia

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: ulmus crassifolia

Google: elm tree allergy; elm tree allergy adverse; elm tree allergen; elm tree allergen adverse; same search results performed for Ulmus crassifolia

Nomenclature

According to ITIS, the scientific name is Ulmus crassifolia. Common name is cedar elm. The genus, species, and common names are correct. The Ulmus genus is found in the family of Ulmaceae.

Parent Product

815 - Pollens - Trees, Elm, Cedar Ulmus crassifolia

Published Data

PMID 12221895 concludes that Ulmus americana is not necessary in a minimum panel of tree allergens, but that a significant number of tree allergic subjects were allergic to elm pollen.

PMID 1147318 is from 1978 and also concludes that elm pollen was less reactive than other tree pollens, but did not address whether elm was necessary. Data compiled from 2614 subjects with allergy to mixed trees is reported.

PMID 15783130 reported that 19 (3.5%) out of 289 children with asthma, allergic rhinitis, or both had allergy to Ulmus campestris. Allergenicity was determined by skin prick test.

The remainder of publications report low but significant reactivity to Elm. Currently however, only American, English, and Chines Elm (inferred to be two species, parvifolia and pumila) are reported as allergens.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 816 - Pollens - Trees, Elm, Chinese Ulmus parvifolia

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: parvifolia; parvifolia allergy; parvifolia allergen; ulmus parvifolia; ulmus parvifolia allergy; ulmus parvifolia allergen; ulmus immunotherapy; ulmus parvifolia immunotherapy; parvifolia immunotherapy; Chinese elm

Google: elm tree allergy; elm tree allergy adverse; elm tree allergen; elm tree allergen adverse; same search results performed for Ulmus parvifolia

Nomenclature

According to ITIS, the scientific name is Ulmus parvifolia. Common names are Chinese elm and lacebark elm. The genus, species, and common names are correct. Synonym is Ulmus chinensis. The Ulmus genus is found in the family of Ulmaceae.

Parent Product

816 - Pollens - Trees, Elm, Chinese Ulmus parvifolia

Related Products

819 - Pollens - Trees, Elm, Fallblooming Ulmus parvifolia

Published Data

PMID 12221895 concludes that Ulmus americana is not necessary in a minimum panel of tree allergens, but that a significant number of tree allergic subjects were allergic to elm pollen.

PMID 1147318 is from 1978 and also concludes that elm pollen was less reactive than other tree pollens, but did not address whether elm was necessary. Data compiled from 2614 subjects with allergy to mixed trees is reported.

PMID 15783130 reported that 19 (3.5%) out of 289 children with asthma, allergic rhinitis, or both had allergy to Ulmus campestris. Allergenicity was determined by skin prick test.

The remainder of publications report low but significant reactivity to Elm. Currently however, only American, English, and Chines Elm (inferred to be two species, parvifolia and pumila) are reported as allergens.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 817 - Pollens - Trees, Elm, Chinese Ulmus pumila

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: pumila; pumila allergy; ulmus pumilla; ulmus pumila allergy; ulmus pumila immunotherapy; ulmus pumila allergen; pumila allergen; Siberian elm
Google: elm tree allergy; elm tree allergy adverse; elm tree allergen; elm tree allergen adverse; same search results performed for Ulmus pumila

Nomenclature

According to ITIS, the scientific name is Ulmus pumila. Common names are Chinese elm and Siberian elm. The genus, species, and common names are correct. The Ulmus genus is found in the family of Ulmaceae.

Parent Product

817 - Pollens - Trees, Elm, Chinese Ulmus pumila

Related Products

820 - Pollens - Trees, Elm, Siberian Ulmus pumila

Published Data

PMID 1147318 evaluated the allergenicity of subjects to wind pollinated trees. U. pumila was evaluated in a mixture with U. americana and found to be reactive, but less reactive than oak, birch, sycamore, black walnut and poplar.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
813_ Annals Allergy-35-113.pdf	1147318	Lewis, W.H.	1975

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 818 - Pollens - Trees, Elm, English Ulmus campestris

Recommended Scientific Name Ulmus procera

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: ulmus campestris; ulmus campestris allergy; ulmus procera; ulmus procera allergy; English elm allergy
Google: elm tree allergy; elm tree allergy adverse; elm tree allergen; elm tree allergen adverse; same search results performed for Ulmus campestris

Nomenclature

According to ITIS, there are two accepted names of U. campestris, U. glabra and U. procera. The current name is either U. glabra (Wych elm) or U. procera (English elm). The Ulmus genus is found in the family of Ulmaceae.

Parent Product

818 - Pollens - Trees, Elm, English Ulmus campestris

Published Data

PMID 15783130 reported that 19 (3.5%) out of 289 children with asthma, allergic rhinitis, or both had allergy to Ulmus compestris. Allergency was determined by skin prick test.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
813_AsPacJAllImm-22-183.pdf	15783130	Yazicioglu, M.	2004

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 819 - Pollens - Trees, Elm, Fallblooming Ulmus parvifolia

Recommended Common Name Elm, Chinese

Recommended Scientific Name Ulmus parvifolia

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)

Search Strategy

PubMed: Ulmus parvifolia

Google: elm tree allergy; elm tree allergy adverse; elm tree allergen; elm tree allergen adverse; same search results performed for Ulmus parvifolia

Nomenclature

According to ITIS, the scientific name is Ulmus parvifolia. Common names are Chinese elm and lacebark elm. The genus, species, and common names are correct. Synonym is Ulmus chinensis. The Ulmus genus is found in the family of Ulmaceae.

Parent Product

816 - Pollens - Trees, Elm, Chinese Ulmus parvifolia

Related Products

819 - Pollens - Trees, Elm, Fallblooming Ulmus parvifolia

Published Data

PMID 12221895 concludes that Ulmus americana is not necessary in a minimum panel of tree allergens, but that a significant number of tree allergic subjects were allergic to elm pollen.

PMID 1147318 is from 1978 and also concludes that elm pollen was less reactive than other tree pollens, but did not address whether elm was necessary. Data compiled from 2614 subjects with allergy to mixed trees is reported.

PMID 15783130 reported that 19 (3.5%) out of 289 children with asthma, allergic rhinitis, or both had allergy to Ulmus campestris. Allergenicity was determined by skin prick test.

The remainder of publications report low but significant reactivity to Elm. Currently however, only American, English, and Chines Elm (inferred to be two species, parvifolia and pumila) are reported as allergens.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 820 - Pollens - Trees, Elm, Siberian Ulmus pumila

Recommended Common Name Elm, Chinese

Recommended Scientific Name Ulmus pumila

Manufacturers of this Product

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)

Search Strategy

PubMed: pumila; pumila allergy; ulmus pumilla; ulmus pumila allergy; ulmus pumila immunotherapy; ulmus pumila allergen; pumila allergen; ficus pumila; Siberian elm

Google: elm tree allergy; elm tree allergy adverse; elm tree allergen; elm tree allergen adverse; same search results performed for Ulmus pumila

Nomenclature

According to ITIS, the scientific name is Ulmus pumila. Common names are Chinese elm and Siberian elm. The genus, species, and common names are correct. The Ulmus genus is found in the family of Ulmaceae.

Parent Product

817 - Pollens - Trees, Elm, Chinese Ulmus pumila

Related Products

820 - Pollens - Trees, Elm, Siberian Ulmus pumila

Published Data

PMID 1147318 evaluated the allergenicity of subjects to wind pollinated trees. U. pumila was evaluated in a mixture with U. americana and found to be reactive, but less reactive than oak, birch, sycamore, black walnut and poplar.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 821 - Pollens - Trees, Elm, Slippery Ulmus fulva (rubra)

Recommended Scientific Name Ulmus rubra

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: ulmus rubra; ulmus fulva; slippery elm

Google: elm tree allergy; elm tree allergy adverse; elm tree allergen; elm tree allergen adverse; same search results performed for Ulmus fulva

Nomenclature

According to ITIS, the current scientific name for Ulmus fulva is Ulmus rubra. Common name is slippery elm. The Ulmus genus is found in the family of Ulmaceae. U. fluva is no longer considered an acceptable name for this product.

Parent Product

821 - Pollens - Trees, Elm, Slippery Ulmus fulva (rubra)

Published Data

PMID 12221895 concludes that Ulmus americana is not necessary in a minimum panel of tree allergens, but that a significant number of tree allergic subjects were allergic to elm pollen.

PMID 1147318 is from 1978 and also concludes that elm pollen was less reactive than other tree pollens, but did not address whether elm was necessary. Data compiled from 2614 subjects with allergy to mixed trees is reported.

PMID 15783130 reported that 19 (3.5%) out of 289 children with asthma, allergic rhinitis, or both had allergy to Ulmus compestris. Allergenicity was determined by skin prick test.

The remainder of publications report low but significant reactivity to Elm. Currently however, only American, English, and Chines Elm (inferred to be two species, parvifolia and pumila) are reported as allergens.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 822 - Pollens - Trees, Elm, Winged Ulmus alata

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: ulmus alata; winged elm

Google: elm tree allergy; elm tree allergy adverse; elm tree allergen; elm tree allergen adverse; same search results performed for Ulmus alata

Nomenclature

According to ITIS, the scientific name is Ulmus alata. Common name is winged elm. The Ulmus genus is found in the family of Ulmaceae.

Parent Product

822 - Pollens - Trees, Elm, Winged Ulmus alata

Published Data

PMID 12221895 concludes that Ulmus americana is not necessary in a minimum panel of tree allergens, but that a significant number of tree allergic subjects were allergic to elm pollen.

PMID 1147318 is from 1978 and also concludes that elm pollen was less reactive than other tree pollens, but did not address whether elm was necessary. Data compiled from 2614 subjects with allergy to mixed trees is reported.

PMID 15783130 reported that 19 (3.5%) out of 289 children with asthma, allergic rhinitis, or both had allergy to Ulmus compestris. Allergenicity was determined by skin prick test.

The remainder of publications report low but significant reactivity to Elm. Currently however, only American, English, and Chines Elm (inferred to be two species, parvifolia and pumila) are reported as allergens.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 823 - Pollens - Trees, Eucalyptus (Blue Gum) Eucalyptus globulus

Recommended Common Name Eucalyptus, Blue Gum

Manufacturers of this Product

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)

Search Strategy

PubMed: Eucalyptus; eucalyptus allergen; eucalyptus allergy; eucalyptus immunotherapy; blue gum; blue gum allergen; blue gum allergy; blue gum immunotherapy; eucalyptus globulus; eucalyptus globulus allergen; eucalyptus globulus allergy; eucalyptus globulus immunotherapy

Google: Eucalyptus allergy; Eucalyptus allergy adverse; Eucalyptus allergen; Eucalyptus allergen adverse; same search results performed for Eucalyptus globulus

Nomenclature

According to ITIS, the scientific name is Eucalyptus globulus. Common names are bluegum eucalyptus and Tasmanian bluegum. The genus, species, and common names are correct. There are two subspecies of Eucalyptus globulus: globulus and maidenii. The Eucalyptus genus is found in the family of Myrtaceae.

Parent Product

823 - Pollens - Trees, Eucalyptus (Blue Gum) Eucalyptus globulus

Published Data

PMIDs 1363631, 15065319, 2719352 do not list the species of Eucalyptus tested. These articles indicate that Eucalyptus extracts can be used for diagnosis.

PMID 15236497 reports that E. citriodora pollen extract has a strong sensitizing potential.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
823_JFormMedAssoc-91-1127.pdf	1363631	Wang, J.Y.	1992
823_Monaldi-59-220.pdf	15065319	Galdi, E.	2003
823_AnnAgriEnrionMed-11-45.pdf	15236497	Boral, D.	2004
823_Ann Allergy-62-432.pdf	2719352	Tang, R.B.	1989

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 824 - Pollens - Trees, Eucalyptus Eucalyptus spp

Recommended Scientific Name Eucalyptus, (species to be specified)

Manufacturers of this Product

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: Eucalyptus; eucalyptus allergen; eucalyptus allergy; eucalyptus immunotherapy

Google: Eucalyptus allergy; Eucalyptus allergy adverse; Eucalyptus allergen; Eucalyptus allergen adverse

Nomenclature

According to ITIS, there are two subspecies and forty-six species in the Eucalyptus genus. The Eucalyptus genus is found in the family of Myrtaceae.

Parent Product

824 - Pollens - Trees, Eucalyptus Eucalyptus spp

Published Data

PMID 1363631, 15065319, and 2719352 do not list the species of Eucalyptus tested. These articles indicate that Eucalyptus extracts can be used for diagnosis.

PMID 15236497 reports that E. citriodora pollen extract has a strong sensitizing potential.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
823_JFormMedAssoc-91-1127.pdf	1363631	Wang, J.Y.	1992
823_Monaldi-59-220.pdf	15065319	Galdi, E.	2003
823_AnnAgriEnrionMed-11-45.pdf	15236497	Boral, D.	2004
823_Ann Allergy-62-432.pdf	2719352	Tang, R.B.	1989

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

Product: 825 - Pollens - Trees, Eucalyptus spp.

Recommended Scientific Name Eucalyptus, (species to be specified)

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Eucalyptus; eucalyptus allergen; eucalyptus allergy; eucalyptus immunotherapy

Google: Eucalyptus allergy; Eucalyptus allergy adverse; Eucalyptus allergen; Eucalyptus allergen adverse

Nomenclature

According to ITIS, there are two subspecies and forty-six species in the Eucalyptus genus. The Eucalyptus genus is found in the family of Myrtaceae.

Parent Product

825 - Pollens - Trees, Eucalyptus spp.

Published Data

PMIDs 1363631, 15065319, and 2719352 do not list the species of Eucalyptus tested. These articles indicate that Eucalyptus extracts can be used for diagnosis.

PMID 15236497 reports that E. citriodora pollen extract has a strong sensitizing potential.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
823_ JFormMedAssoc-91-1127.pdf	1363631	Wang, J.Y.	1992
823_ Monaldi-59-220.pdf	15065319	Galdi, E.	2003
823_ AnnAgriEnrionMed-11-45.pdf	15236497	Boral, D.	2004
823_ Ann Allergy-62-432.pdf	2719352	Tang, R.B.	1989

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

Product: 826 - Pollens - Trees, Fir, Balsam Abies balsamea

Recommended Scientific Name Abies balsamea

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Abies allergy, Abies balsamea allergy, Abies procera, Abies concolor, Abies grandis, Pseudotsuga allergy, fir allergy, similar searches with common names, Pinaceae allergy, fir pollen

Google: Abies allergy; Abies, "adverse events"; abies balsamea, "adverse events"; fir tree allergy; fir tree, "adverse events"; fir tree skin test, "adverse events"

Nomenclature

According to ITIS, the correct spelling of Abies balsamea is Abies balsamea. Common name is balsam fir. Synonym is Pinus balsamea. The Abies genus is found in the family of Pinaceae.

Parent Product

826 - Pollens - Trees, Fir, Balsam Abies balsamea

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

Product: 827 - Pollens - Trees, Fir, Douglas Pseudotsuga menziesii

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Abies allergy, Abies balsamea allergy, Abies procera, Abies concolor, Abies grandis, Pseudotsuga allergy, fir allergy, similar searches with common names, Pinaceae allergy, fir pollen

Google: Abies allergy; Abies, "adverse events"; abies balsamea, "adverse events"; fir tree allergy; fir tree, "adverse events"; fir tree skin test, "adverse events"

Nomenclature

According to ITIS, the scientific name is Pseudotsuga menziesii. Common names are Douglas fir, douglas spruce, Douglas-fir, Oregon pine, and red fir. The genus, species, and common names are correct. Synonyms are Abies menziesii and Pseudotsuga mucronata. The Pseudotsuga genus is found within the family of Pinaceae.

Parent Product

827 - Pollens - Trees, Fir, Douglas Pseudotsuga menziesii

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

Product: 828 - Pollens - Trees, Fir, Douglas Pseudotsuga taxifolia

Recommended Common Name Fir, Coast Douglas

Recommended Scientific Name Pseudotsuga menziesii var. menziesii

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Abies allergy, Abies balsamea allergy, Abies procera, Abies concolor, Abies grandis, Pseudotsuga allergy, fir allergy, similar searches with common names, Pinaceae allergy, fir pollen

Google: Abies allergy; Abies, "adverse events"; abies balsamea, "adverse events"; fir tree allergy; fir tree, "adverse events"; fir tree skin test, "adverse events"

Nomenclature

According to ITIS, the current name of Pseudotsuga taxifolia is Pseudotsuga menziesii var. menziesii (Coast Douglas fir). Common names are coast douglas fir and Douglas-fir. Synonyms are Pseudotsuga menziesii viridis and Pseudotsuga toxifolia. The Pseudotsuga genus is found in the Pinaceae family.

Parent Product

828 - Pollens - Trees, Fir, Douglas Pseudotsuga taxifolia

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

Product: 829 - Pollens - Trees, Fir, Red (Noble) Abies nobilis (procera)

Recommended Common Name Fir, Noble

Recommended Scientific Name Abies procera

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Abies allergy, Abies balsamea allergy, Abies procera, Abies concolor, Abies grandis, Pseudotsuga allergy, fir allergy, similar searches with common names, Pinaceae allergy, fir pollen

Google: Abies allergy; Abies, "adverse events"; abies balsamea, "adverse events"; fir tree allergy; fir tree, "adverse events"; fir tree skin test, "adverse events"

Nomenclature

According to ITIS, the current name of Abies nobilis is Abies procera. Common names are noble fir, red fir, and white fir. Synonym is Abies nobilis. The Abies genus is found in the Pinaceae family, conifers.

Parent Product

829 - Pollens - Trees, Fir, Red (Noble) Abies nobilis (procera)

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

Product: 830 - Pollens - Trees, Fir, White Abies concolor

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Abies allergy, Abies balsamea allergy, Abies procera, Abies concolor, Abies grandis, Pseudotsuga allergy, fir allergy, similar searches with common names, Pinaceae allergy, fir pollen

Google: Abies allergy; Abies, "adverse events"; abies balsamea, "adverse events"; fir tree allergy; fir tree, "adverse events"; fir tree skin test, "adverse events"

Nomenclature

According to ITIS, the scientific name is Abies concolor. Common names are balsam fir, Colorado fir, concolor fir, silver fir, white balsam, and white fir. Two varieties of Abies concolor are listed: concolor and lowiana. The Abies genus is found in the Pinaceae family, conifer

Parent Product

830 - Pollens - Trees, Fir, White Abies concolor

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

Product: 831 - Pollens - Trees, Fir, White Abies grandis

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Abies allergy, Abies balsamea allergy, Abies procera, Abies concolor, Abies grandis, Pseudotsuga allergy, fir allergy, similar searches with common names, Pinaceae allergy, fir pollen

Google: Abies allergy; Abies, "adverse events"; abies balsamea, "adverse events"; fir tree allergy; fir tree, "adverse events"; fir tree skin test, "adverse events"

Nomenclature

According to ITIS, the scientific name is Abies grandis. Common names are giant fir, grand fir, lowland white fir, silver fir, white fir, and yellow fir. The genus, species, and common names are correct. Synonyms are Abies excelsior and Pinus grandis. There are two varieties of Abies grandis: grandis and idahoensis. The Abies genus is found in the Pinaceae family.

Parent Product

831 - Pollens - Trees, Fir, White Abies grandis

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 832 - Pollens - Trees, Golden Chain Tree Laburnum anagyroides

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed Laburnum anagyroides, golden chain tree, golden chain tree allergy

Google: Laburnum anagyroides, "adverse events"; "golden chain tree", adverse events

Nomenclature

According to ITIS, the scientific name is Laburnum anagyroides. Common name is golden chain tree. The genus, species, and common names are correct. This tree is in the Fabaceae family.

Parent Product

832 - Pollens - Trees, Golden Chain Tree Laburnum anagyroides

Published Data

PMID 19778187 confirmed the Golden Chain Tree Laburnum anagyroides is poisonous and therefore it should not be used for either diagnosis or therapy. The poison is cytisine, an alkaloid that act agonistically at nicotinic-type acetylcholine (cholinergic) receptors.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
832_Clin Toxicol 47-771.pdf	19778187		0
832_Risk-Assessment.pdf			0

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 833 - Pollens - Trees, Greasewood, Sarcobatus vermiculatus

Manufacturers of this Product

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: Greasewood

Google: Greasewood tree allergy; Greasewood tree allergy adverse; Greasewood tree allergen; Greasewood tree allergen adverse; same search results performed for Sarcobatus vermiculatus

Nomenclature

According to ITIS, the scientific name is Sarcobatus vermiculatus. Common name is greasewood. The genus, species, and common names are correct. Synonyms are Sarcobatus baileyi and Sarcobatus vermiculatus var. baileyi. This weed is in the Chenopodiaceae family.

Parent Product

1123 - Pollens - Weeds and Garden Plants, Greasewood Sarcobatus vermiculatus

Related Products

833 - Pollens - Trees, Greasewood, Sarcobatus vermiculatus

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 834 - Pollens - Trees, Groundsel, Baccharis halimifolia

Recommended Common Name Baccharis, Eastern

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: Baccharis allergy, Baccharis halimifolia, Baccharis viminea, mule fat allergy Baccharis viminea

Google: Baccharis, "skin test"; Baccharis halimifolia allergy; Baccharis halimifolia, "adverse events"; baccharis halimifolia, "toxicity"; baccharis salicifolia, "toxicity"; baccharis salicifolia, allergy; baccharis salicifolia, "adverse events"; mule's fat, "adverse events"; "seep willow" allergy; seep willow, "adverse events"

Nomenclature

According to ITIS, the scientific name is Baccharis halimifolia Common name is Eastern baccharis. The genus, species, and common names are correct. This product is in the Asteraceae family. Under weed pollen in database, there is a listing for Mule's fat (Baccharis viminae). Correct scientific name for Mule's fat according to ITIS is Baccharis salicifolia.

Parent Product

834 - Pollens - Trees, Groundsel, Baccharis halimifolia

Published Data

PMID 12583700 refers to poisoning of mice by B. coridifolia. B. cordifolia is not listed in ITIS.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1062_VetHumToxicol45-42-4..pdf	12583700	Varaschin, M.S.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 835 - Pollens - Trees, Groundsel, Baccharis sp.

Recommended Scientific Name Baccharis, (species to be specified)

Manufacturers of this Product

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: Baccharis allergy

Google: Baccharis, "skin test"

Nomenclature

According to ITIS, there are 25 species and 1 variety of Baccharis. No species was identified for this product. This product is in the Asteraceae family.

Parent Product

835 - Pollens - Trees, Groundsel, Baccharis sp.

Published Data

PMID 12583700 refers to poisoning of mice by B. cordifolia. B. cordifolia is not listed in ITIS.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1062_VetHumToxicol45-42-4..pdf	12583700	Varaschin, M.S.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 836 - Pollens - Trees, Gum, Black Nyssa sylvatica

Manufacturers of this Product

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: nyssa sylvatica, nyssa sylvatica allergy, black gum allergy, nyssa cross-reactivity

Google: "black gum", allergy; nyssa sylvatica, allergy; nyssa sylvatica, "adverse events"; "black gum", "adverse events"; "black gum", skin prick test

Nomenclature

According to ITIS, the scientific name is *Nyssa sylvatica*. Common names are black gum, black tupelo, and blackgum.

Synonyms are *Nyssa sylvatica* var. *caroliniana*, *N. sylvatica* var. *dilatata*, and *N. sylvatica* var. *typica*. The genus, species, and common names are acceptable. The *Nyssa* genus is found in the Nyssaceae family.

Parent Product

836 - Pollens - Trees, Gum, Black Nyssa sylvatica

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 837 - Pollens - Trees, Gum, Sweet Liquidambar styraciflua

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Liquidambar styraciflua, Liquidambar styraciflua allergy, sweetgum
Google: Liquidambar styraciflua, allergy; Liquidambar styraciflua, "adverse events"; "sweet gum", "adverse events"; "black gum", skin prick test

Nomenclature

According to ITIS, the genus, species, and common names are correct. This tree is in the Hamamelidaceae family.

Parent Product

837 - Pollens - Trees, Gum, Sweet Liquidambar styraciflua

Published Data

PMID 2794291 reported on skin prick positivity to L. styraciflua extracts in some allergic patients (exact number not specified). No papers were found reporting on cross-reactivity of L. styraciflua pollen to other pollens.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1090_JAllergyClinImmunol84-465-474.pdf	2794291	Lucas, S.K.	1989

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 838 - Pollens - Trees, Hackberry Celtis occidentalis

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: celtis allergy, celtis cross-reactivity, celtis occidentalis, c. occidentalis allergy, celtis laevigata, hackberry allergy, sugar berry allergy

Google: celtis occidentalis allergy; celtis occidentalis, "adverse events"; celtis laevigata allergy; celtis laevigata, "adverse events"; hackberry, "adverse events"; hackberry, "skin prick test"; sugarberry, allergy; sugarberry, "adverse events"

Nomenclature

There are three varieties of Celtis occidentalis: canina, occidentalis, and pumila. The hackberry trees are in the Ulmaceae family.

Parent Product

838 - Pollens - Trees, Hackberry Celtis occidentalis

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 839 - Pollens - Trees, Hackberry Celtis spp.

Recommended Scientific Name Celtis, (species to be specified)

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: celtis allergy, celtis cross-reactivity, hackberry allergy

Google: celtis allergy; celtis, "adverse events"; celtis allergy; hackberry, "adverse events"; hackberry, "skin prick test"

Nomenclature

According to ITIS, there are eight species within the Celtis genus. The hackberry trees are in the Ulmaceae family.

Parent Product

839 - Pollens - Trees, Hackberry Celtis spp.

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 840 - Pollens - Trees, Hackberry, Southern-Sugarberry Celtis laevigata

Recommended Common Name Hackberry, Sugar

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: celtis allergy, celtis cross-reactivity, celtis occidentalis, c. occidentalis allergy, celtis laevigata, hackberry allergy, sugar berry allergy

Google: celtis occidentalis allergy; celtis occidentalis, "adverse events"; celtis laevigata allergy; celtis laevigata, "adverse events"; hackberry, "adverse events"; hackberry, "skin prick test"; sugarberry, allergy; sugarberry, "adverse events"

Nomenclature

According to ITIS, the scientific name is *Celtis laevigata*. Common names are sugar berry, sugarberry, and sugar hackberry. The scientific name is correct and current. The common name needs to be updated. The hackberry trees are in the Ulmaceae family.

Parent Product

840 - Pollens - Trees, Hackberry, Southern-Sugarberry Celtis laevigata

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 841 - Pollens - Trees, Hawthorne Crataegus monogyna

Recommended Common Name Hawthorn, Singleseed

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: hawthorn allergy, crataegus monogyna, hawthorn pollen, crataegus allergen, crataegus skin test, crataegus extract

Google: hawthorn tree, "adverse events"; hawthorn, "allergenic extract"; crataegus monogyna, "adverse events"; crataegus monogyna, allergy; crataegus monogyna, "skin test"

Nomenclature

According to ITIS, the scientific name is Crataegus monogyna. Common names are oneseed hawthorn and singleseed hawthorn. The genus, species, and common names are correct. Synonyms are Crategus curvisepala, C. oxyacantha, and C. oxyacantha var. paulii. Hawthorn trees are in the Rosaceae (roses) family.

Parent Product

841 - Pollens - Trees, Hawthorne Crataegus monogyna

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 842 - Pollens - Trees, Hazelnut, American Corylus americana

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: corylus Americana, corylus californica, corylus carnuta, corylus avellana allergy, hazel pollen allergy
Google: corylus avellana, "adverse events"; corylus californica, "adverse events"; Corylus cornuta var. californica, "adverse events"; Corylus americana, "adverse events"; hazel pollen extract, "adverse events"

Nomenclature

According to ITIS, the scientific name is Corylus americana. Common names are American hazelnut, hazel, and hazelnut. The genus, species, and common names are correct. Synonym is Corylus Americana var. indehiscens. The hazelnut tree is in the Betulaceae family.

Parent Product

842 - Pollens - Trees, Hazelnut, American Corylus americana

Published Data

PMID 1715032 The major allergen Cor a 1, a 17-kd protein, has been isolated from Hazel tree pollen. Cor a 1 has been described as having an 80.5 - 83% similarity to allergens of other trees of the order Fagales: Bet v 1, the major Birch pollen allergen, Aln g 1, the major allergen from Grey Alder tree, and Car b 1, the major allergen from Hornbeam tree. Some papers estimate approximately 95% of patients allergic to tree pollens from the order Fagales display IgE binding to these 4 allergens. Multiple papers (PMID 9802365, 2005320, 1281178, 7694084) reported on extensive in vitro cross-reactivity to birch, alder, hornbeam and hazelnut.

Other papers (PMID 3296843, 751527, 1459150) reported on patients with positive skin prick test reactions to hazel pollen that also had positive skin prick test to birch, alder, hornbeam, and oak pollens and other tree allergens.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
709_ Mol Immunol 28-897.pdf	1715032	Rohac, M.	1994
857_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
709_ J Allergy Clin Immunol 102-579.pdf	9802365	Niederberger, V.	1998
709_ J Allergy Clin Immunol 87-677.pdf	2005320	Valenta, R.	1991
842_ J Allergy Clin Immunol 90-927.pdf	1281178	Hirschwehr, R.	1992
842_ Mol Immunol 30-1323.pdf	7694084	Ebner, C.	1993
883_ Allergy 33-299.pdf	751527	Erickson, N.E.	1978
844_ Clin Exp Allergy 33-1419.pdf	14519150	Mari, A.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 843 - Pollens - Trees, Hazelnut, California Corylus californica

Recommended Scientific Name Corylus cornuta var. californica

Manufacturers of this Product

- Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
- Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
- ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: corylus Americana, corylus californica, corylus carnuta, corylus avellana allergy, hazel pollen allergy
Google: corylus avellana, "adverse events"; corylus californica, "adverse events"; Corylus cornuta var. californica, "adverse events"; Corylus americana, "adverse events"; hazel pollen extract, "adverse events"

Nomenclature

According to ITIS, the current name of Corylus californica is Corylus cornuta var. californica. Common names are Californisa hazel and California hazelnut. The hazelnut tree is in the Betulaceae family.

Parent Product

843 - Pollens - Trees, Hazelnut, California Corylus californica

Published Data

PMID 1715032: The major allergen Cor a 1, a 17-kd protein, has been isolated from Hazel tree pollen. Cor a 1 has been described as having an 80.5 - 83% similarity to allergens of other trees of the order Fagales: Bet v 1, the major Birch pollen allergen, AIn g 1, the major allergen from Grey Alder tree, and Car b 1, the major allergen from Hornbeam tree. Some papers estimate approximately 95% of patients allergic to tree pollens from the order Fagales display IgE binding to these 4 allergens. Multiple papers (PMID 9802365, 2005320, 1281178, 7694084) reported on extensive in vitro cross-reactivity to birch, alder, hornbeam and hazelnut. Other papers (PMID 3296843, 751527, 1459150) reported on patients with positive skin prick test reactions to hazel pollen that also had positive skin prick test to birch, alder, hornbeam, and oak pollens and other tree allergens.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
709_ Mol Immunol 28-897.pdf	1715032	Rohac, M.	1994
857_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
709_ J Allergy Clin Immunol 102-579.pdf	9802365	Niederberger, V.	1998
709_ J Allergy Clin Immunol 87-677.pdf	2005320	Valenta, R.	1991
842_ J Allergy Clin Immunol 90-927.pdf	1281178	Hirschwehr, R.	1992
842_ Mol Immunol 30-1323.pdf	7694084	Ebner, C.	1993
883_ Allergy 33-299.pdf	751527	Erickson, N.E.	1978

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 844 - Pollens - Trees, Hazelnut, European Corylus avellana

Recommended Common Name Filbert, Common

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: corylus Americana, corylus californica, corylus carnuta, corylus avellana allergy, hazel pollen allergy
Google: corylus avellana, "adverse events"; corylus californica, "adverse events"; Corylus cornuta var. californica, "adverse events"; Corylus americana, "adverse events"; hazel pollen extract, "adverse events"

Nomenclature

According to ITIS, the scientific name is Corylus avellana. The common name is common filbert. No listing for European hazelnut was found in ITIS. The hazelnut tree is in the Betulaceae family.

Parent Product

844 - Pollens - Trees, Hazelnut, European Corylus avellana

Published Data

PMID 1715032: The major allergen Cor a 1, a 17-kd protein, has been isolated from Hazel tree pollen. Cor a 1 has been described as having an 80.5 - 83% similarity to allergens of other trees of the order Fagales: Bet v 1, the major Birch pollen allergen, Aln g 1, the major allergen from Grey Alder tree, and Car b 1, the major allergen from Hornbeam tree. Some papers estimate approximately 95% of patients allergic to tree pollens from the order Fagales display IgE binding to these 4 allergens. Multiple papers (PMID 9802365, 2005320, 1281178, 7694084) reported on extensive in vitro cross-reactivity to birch, alder, hornbeam and hazelnut. Other papers (PMID 3296843, 751527, 1459150) reported on patients with positive skin prick test reactions to hazel pollen that also had positive skin prick test to birch, alder, hornbeam, and oak pollens and other tree allergens.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
709_ Mol Immunol 28-897.pdf	1715032	Rohac, M.	1994
857_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
709_ J Allergy Clin Immunol 102-579.pdf	9802365	Niederberger, V.	1998
709_ J Allergy Clin Immunol 87-677.pdf	2005320	Valenta, R.	1991
842_ J Allergy Clin Immunol 90-927.pdf	1281178	Hirschwehr, R.	1992
842_ Mol Immunol 30-1323.pdf	7694084	Ebner, C.	1993
883_ Allergy 33-299.pdf	751527	Erickson, N.E.	1978
844_ Clin Exp Allergy 33-1419.pdf	14519150	Mari, A.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 845 - Pollens - Trees, Hemlock Tsuga spp.

Recommended Scientific Name Tsuga, (species to be specified)

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: tsuga, hemlock allergy, tsuga allergy, tsuga pollen, hemlock pollen, hemlock cross-reactivity

Google: tsuga canadensis, "adverse events"; tsuga caroliniana, "adverse events"; tsuga heterophylla, "adverse events"; hemlock pollen allergy; hemlock pollen "skin test"; tsuga pollen, "skin test"; tsuga heterophylla allergy; tsuga caroliniana allergy; tsuga canadensis allergy

Nomenclature

According to ITIS, there are five species of Tsuga. The hemlock tree is in the Pinaceae family.

Parent Product

845 - Pollens - Trees, Hemlock Tsuga spp.

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 846 - Pollens - Trees, Hemlock, Carlolina Tsuga caroliniana

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: tsuga, hemlock allergy, tsuga allergy, tsuga caroliniana, tsuga heterophylla, tsuga pollen, hemlock pollen, hemlock cross-reactivity

Google: tsuga canadensis, "adverse events"; tsuga caroliniana, "adverse events"; tsuga heterophylla, "adverse events"; hemlock pollen allergy; hemlock pollen "skin test"; tsuga pollen, "skin test"; tsuga heterophylla allergy; tsuga caroliniana allergy; tsuga canadensis allergy

Nomenclature

According to ITIS, the genus and species names are correct. The common name, "Carlolina", for Tsuga caroliniana is incorrectly spelled. The correct spellin is "Carolina". Hemlock trees are conifers in the Pinaceae family.

Parent Product

846 - Pollens - Trees, Hemlock, Carlolina Tsuga caroliniana

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 847 - Pollens - Trees, Hemlock, Eastern Tsuga canadensis

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: tsuga, hemlock allergy, tsuga allergy, tsuga caroliniana, tsuga heterophylla, tsuga pollen, hemlock pollen, hemlock cross-reactivity

Google: tsuga canadensis, "adverse events"; tsuga caroliniana, "adverse events"; tsuga heterophylla, "adverse events"; hemlock pollen allergy; hemlock pollen "skin test"; tsuga pollen, "skin test"; tsuga heterophylla allergy; tsuga caroliniana allergy; tsuga canadensis allergy

Nomenclature

According to ITIS, the genus, species, and names are correct. Hemlock trees are conifers in the Pinaceae family.

Parent Product

847 - Pollens - Trees, Hemlock, Eastern Tsuga canadensis

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 848 - Pollens - Trees, Hemlock, Western Tsuga heterophylla

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: tsuga, hemlock allergy, tsuga allergy, tsuga caroliniana, tsuga heterophylla, tsuga pollen, hemlock pollen, hemlock cross-reactivity

Google: tsuga canadensis, "adverse events"; tsuga caroliniana, "adverse events"; tsuga heterophylla, "adverse events"; hemlock pollen allergy; hemlock pollen "skin test"; tsuga pollen, "skin test"; tsuga heterophylla allergy; tsuga caroliniana allergy; tsuga canadensis allergy

Nomenclature

According to ITIS, the scientific name is Tsuga heterophylla (183400). Common names are pacific hemlock, west coast hemlock, western hemlock. The genus, species, and names are correct. Synonym is Abies heterophylla. Hemlock trees are conifers in the Pinaceae family.

Parent Product

848 - Pollens - Trees, Hemlock, Western Tsuga heterophylla

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 849 - Pollens - Trees, Hibiscus Hibiscus spp

Recommended Scientific Name Hibiscus, (species to be specified)

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed and Google: No search performed since species was not defined.

Nomenclature

According to ITIS, there are 40 species within the Hibiscus (TSN 21611) genus. The Hibiscus genus is found in the Malvaceae family.

Parent Product

849 - Pollens - Trees, Hibiscus Hibiscus spp

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 850 - Pollens - Trees, Hickory Carya spp.

Recommended Scientific Name Carya, (species to be specified)

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: Carya allergy, Carya allergen, Carya pollen allergen, carya pollen allergy diagnosis

Google: Carya allergy, Carya pollen allergen, Pecan tree pollen, pecan tree allergen diagnosis

Nomenclature

According to ITIS, there are twenty-three species within the Carya genus (TSN 19223). Carya genus is from the Juglandaceae family. This genus can be divided based on its microanatomy: the True Hickory and the Pecan. The Bitternut and Pignut species fall under Pecan, while the other species are characterized as True Hickory.

Parent Product

850 - Pollens - Trees, Hickory Carya spp.

Published Data

PMID 8729670 reports used pecan trees (Carya illinoensis) extract to perform skin prick testing. 11.6 % of the population were skin prick test positive to pecan.

PMID 1147318 indicates that Hickories (pecans) are ranked next to ragweed as an important cause of hay fever in the US. This paper used Carya laciniosa for skin testing.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
850_Clin and Exper Allergy 26-323.pdf	8729670	Rachmiel, M.	1996
850_Ann Allergy 35-113.pdf	1147318	Lewis, W.H.	1975

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 851 - Pollens - Trees, Hickory, Bitternut *Carya cordiformis*

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

Pubmed: *Carya cordiformis* + allergy + allergen + diagnosis + immunotherapy; Bitternut hickory + allergy + allergen + diagnosis + immunotherapy

Google: Bitternut hickory allergy, Pecan tree allergy

Nomenclature

According to ITIS, the scientific name is *Carya cordiformis* (TSN 19227). Common name is bitternut hickory. The genus, species, and common names are correct and current. Synonyms are *Carya cordiformis* var. *latifolia* and *Hicoria cordiformis*. *Carya* genus is from the Juglandaceae family.

Parent Product

851 - Pollens - Trees, Hickory, Bitternut *Carya cordiformis*

Published Data

PMID 2794291 reports that *C. illinoensis* is in the third quartile with 8.2 to 11.1% range of reactor prevalence and *C. glabra* is in the second quartile with 11.1 to 18.7% range of reactor prevalence.

PMID 8729670 reports used pecan trees (*Carya illinoensis*) extract to perform skin prick testing. 11.6 % of the population was skin prick test positive to pecan.

PMID 1147318 indicates that Hickories (pecans) are ranked next to ragweed as an important cause of hay fever in the US. This paper used *Carya laciniosa* for skin testing.

Yman states in his book that "Cross-reactivity could be expected between species of the genus *Carya* and, to a moderate degree, to those of the genus *Juglans*, e.g., Walnut tree." (Yman L. Botanical relations and immunological cross-reactions in pollen allergy. 2nd ed. Pharmacia Diagnostics AB. Uppsala. Sweden. 1982: ISBN 91-970475-09)

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
850_ Clin and Exper Allergy 26-323.pdf	8729670	Rachmiel, M.	1996
1090_ JAllergyClinImmunol84-465-474.pdf	2794291	Lucas, S.K.	1989
850_ Ann Allergy 35-113.pdf	1147318	Lewis, W.H.	1975

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	Category I
<u>Therapy:</u>	none	Category I

Product: 852 - Pollens - Trees, Hickory, Pignut Carya glabra

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Carya glabra + allergy, + allergen, + diagnosis, + immunotherapy; Hickory tree pollen + allergy, + allergen, + diagnosis, + immunotherapy. Pignut tree pollen
Google: Hickory tree pollen, + allergen, + diagnosis, + immunotherapy.

Nomenclature

According to ITIS, the scientific name is Carya glabra (TSN 19231). Common name is pignut hickory. The genus, species, and common names are correct and current. There are three varieties listed: Carya glabra var. glabra, Carya glabra var. hirsute, and Carya glabra var. megacarpa. Carya genus is from the Juglandaceae family.

Parent Product

852 - Pollens - Trees, Hickory, Pignut Carya glabra

Published Data

PMID 2794291 reports that C. illinoensis is in the third quartile with 8.2 to 11.1% range of reactor prevalence and C. glabra is in the second quartile with 11.1 to 18.7% range of reactor prevalence.
PMID 8729670 reports used pecan trees (Carya illinoensis) extract to perform skin prick testing. 11.6 % of the population was skin prick test positive to pecan.
PMID 1147318 indicates that Hickories (pecans) are ranked next to ragweed as an important cause of hay fever in the US. This paper used Carya laciniosa for skin testing.
Yman states in his book that "Cross-reactivity could be expected between species of the genus Carya and, to a moderate degree, to those of the genus Juglans, e.g., Walnut tree." (Yman L. Botanical relations and immunological cross-reactions in pollen allergy. 2nd ed. Pharmacia Diagnostics AB. Uppsala. Sweden. 1982: ISBN 91-970475-09)

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
850_ Clin and Exper Allergy 26-323.pdf	8729670	Rachmiel, M.	1996
1090_ JAllergyClinImmunol84-465-474.pdf	2794291	Lucas, S.K.	1989
850_ Ann Allergy 35-113.pdf	1147318	Lewis, W.H.	1975

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 853 - Pollens - Trees, Hickory, Shagbark *Carya ovata*

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: *Carya ovata*, + allergy, + allergen, + diagnosis, + immunotherapy. Shagbark hickory, + allergy. Hickory tree, + allergy
Google: *Carya ovata*, + allergy, + allergen, + diagnosis, + immunotherapy. Shagbark hickory, + allergy. Hickory tree, + allergy

Nomenclature

According to ITIS, the scientific name is *Carya ovata* (TSN 19242 and 19243). Common names shagbark hickory or *carya ovata australis*, shag-bark hickory, and shagbark hickory. The genus, species, and common names are correct. *Carya* genus is from the Juglandaceae family.

Parent Product

853 - Pollens - Trees, Hickory, Shagbark *Carya ovata*

Published Data

PMID 2794291 reports that *C. illinoensis* is in the third quartile with 8.2 to 11.1% range of reactor prevalence and *C. glabra* is in the second quartile with 11.1 to 18.7% range of reactor prevalence.

PMID 8729670 reports used pecan trees (*Carya illinoensis*) extract to perform skin prick testing. 11.6 % of the population was skin prick test positive to pecan.

PMID 1147318 indicates that Hickories (pecans) are ranked next to ragweed as an important cause of hay fever in the US. This paper used *Carya laciniosa* for skin testing.

PollenLibrary.com lists this genus and species as a sever allergen.

Yman states in his book that "Cross-reactivity could be expected between species of the genus *Carya* and, to a moderate degree, to those of the genus *Juglans*, e.g., Walnut tree." (Yman L. Botanical relations and immunological cross-reactions in pollen allergy. 2nd ed. Pharmacia Diagnostics AB. Uppsala. Sweden. 1982: ISBN 91-970475-09)

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
850_Clin and Exper Allergy 26-323.pdf	8729670	Rachmiel, M.	1996
1090_JAllergyClinImmunol84-465-474.pdf	2794291	Lucas, S.K.	1989
850_Ann Allergy 35-113.pdf	1147318	Lewis, W.H.	1975

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 854 - Pollens - Trees, Hickory, Shellbark *Carya laciniosa*

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: *Carya laciniosa*, + allergy, + allergen, + diagnosis, + immunotherapy. Shellbark hickory, + pollen, + allergy. Hickory tree pollen, + allergy
Google: *Carya laciniosa*, + allergy, + allergen, + diagnosis, + immunotherapy. Shellbark hickory, + pollen, + allergy. Hickory tree pollen, + allergy

Nomenclature

According to ITIS, the scientific name is *Carya laciniosa* (TSN 19235). Common name is shellbark hickory. The genus, species, and common names are correct. Synonym is *Hicoria laciniosa*. *Carya* genus is from the Juglandaceae family.

Parent Product

854 - Pollens - Trees, Hickory, Shellbark *Carya laciniosa*

Published Data

PMID 2794291 reports that *C. illinoensis* is in the third quartile with 8.2 to 11.1% range of reactor prevalence and *C. glabra* is in the second quartile with 11.1 to 18.7% range of reactor prevalence.

PMID 8729670 reports used pecan trees (*Carya illinoensis*) extract to perform skin prick testing. 11.6 % of the population was skin prick test positive to pecan.

PMID 1147318 indicates that Hickories (pecans) are ranked next to ragweed as an important cause of hay fever in the US. This paper used *Carya laciniosa* for skin testing.

PollenLibrary.com lists this genus and species as a sever allergen.

Yman states in his book that 'Cross-reactivity could be expected between species of the genus *Carya* and, to a moderate degree, to those of the genus *Juglans*, e.g., Walnut tree.' (Yman L. Botanical relations and immunological cross-reactions in pollen allergy. 2nd ed. Pharmacia Diagnostics AB. Uppsala. Sweden. 1982: ISBN 91-970475-09)

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
850_ Clin and Exper Allergy 26-323.pdf	8729670	Rachmiel, M.	1996
1090_ JAllergyClinImmunol84-465-474.pdf	2794291	Lucas, S.K.	1989
850_ Ann Allergy 35-113.pdf	1147318	Lewis, W.H.	1975

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 855 - Pollens - Trees, Hickory, White Carya alba

Recommended Common Name Hickory, Mockernut

Manufacturers of this Product

- Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
- Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
- Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
- ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
- Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Carya alba, + allergy, + allergen, + diagnosis, + immunotherapy. Carya tormentosa, + allergy, + allergen, + diagnosis, + immunotherapy
Google: Carya alba, + allergy, + allergen, + diagnosis, + immunotherapy. Carya tormentosa, + allergy, + allergen, + diagnosis, + immunotherapy

Nomenclature

According to ITIS, the scientific name is Carya alba (TSN 501306). Common name is mockernut hickory. The common name for this product needs to be updated. The scientific name is correct and current. Synonyms are Carya tomentosa, Carya tomentosa var. subcoriacea, Hicoria tomentosa, and Juglans alba. Carya genus is from the Juglandaceae family.

Parent Product

855 - Pollens - Trees, Hickory, White Carya alba

Related Products

856 - Pollens - Trees, Hickory, White Carya tomentosa

Published Data

PMID 2794291 reports that C. illinoensis is in the third quartile with 8.2 to 11.1% range of reactor prevalence and C. glabra is in the second quartile with 11.1 to 18.7% range of reactor prevalence.
PMID 8729670 reports used pecan trees (Carya illinoensis) extract to perform skin prick testing. 11.6 % of the population was skin prick test positive to pecan.
PMID 1147318 indicates that Hickories (pecans) are ranked next to ragweed as an important cause of hay fever in the US. This paper used Carya laciniosa for skin testing.
Yman states in his book that "Cross-reactivity could be expected between species of the genus Carya and, to a moderate degree, to those of the genus Juglans, e.g., Walnut tree." (Yman L. Botanical relations and immunological cross-reactions in pollen allergy. 2nd ed. Pharmacia Diagnostics AB. Uppsala. Sweden. 1982: ISBN 91-970475-09)

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
850_Clin and Exper Allergy 26-323.pdf	8729670	Rachmiel, M.	1996
1090_JAllergyClinImmunol84-465-474.pdf	2794291	Lucas, S.K.	1989
850_Ann Allergy 35-113.pdf	1147318	Lewis, W.H.	1975

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 856 - Pollens - Trees, Hickory, White Carya tomentosa

Recommended Common Name Hickory, Mockernut

Recommended Scientific Name Carya alba

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Carya alba, + allergy, + allergen, + diagnosis, + immunotherapy. Carya tormentosa, + allergy, + allergen, + diagnosis, + immunotherapy

Google: Carya alba, + allergy, + allergen, + diagnosis, + immunotherapy. Carya tormentosa, + allergy, + allergen, + diagnosis, + immunotherapy

Nomenclature

According to ITIS, the current name of Carya tomentosa is Carya alba (TSN 501306). Common name is mockernut hickory. The scientific and common names needs to be updated. Synonyms are Carya tomentosa, Carya tomentosa var. subcoriacea, Hicoria tomentosa, and Juglans alba. Carya genus is from the Juglandaceae family.

Parent Product

855 - Pollens - Trees, Hickory, White Carya alba

Related Products

856 - Pollens - Trees, Hickory, White Carya tomentosa

Published Data

PMID 2794291 reports that C. illinoensis is in the third quartile with 8.2 to 11.1% range of reactor prevalence and C. glabra is in the second quartile with 11.1 to 18.7% range of reactor prevalence.

PMID 8729670 reports used pecan trees (Carya illinoensis) extract to perform skin prick testing. 11.6 % of the population was skin prick test positive to pecan.

PMID 1147318 indicates that Hickories (pecans) are ranked next to ragweed as an important cause of hay fever in the US. This paper used Carya laciniosa for skin testing.

Yman states in his book that "Cross-reactivity could be expected between species of the genus Carya and, to a moderate degree, to those of the genus Juglans, e.g., Walnut tree." (Yman L. Botanical relations and immunological cross-reactions in pollen allergy. 2nd ed. Pharmacia Diagnostics AB. Uppsala. Sweden. 1982: ISBN 91-970475-09)

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
850_Clin and Exper Allergy 26-323.pdf	8729670	Rachmiel, M.	1996
1090_JAllergyClinImmunol84-465-474.pdf	2794291	Lucas, S.K.	1989
850_Ann Allergy 35-113.pdf	1147318	Lewis, W.H.	1975

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 857 - Pollens - Trees, Hornbeam, Ostrya virginiana

Recommended Common Name Hophornbeam, Eastern

Recommended Scientific Name Ostrya virginiana

Manufacturers of this Product

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: Ostrya virginiana, + allergy, + allergen, + diagnosis, + immunotherapy. Birch pollen, + allergy, + allergen, + diagnosis, + immunotherapy

Google: Ostrya virginiana, + allergy, + allergen, + diagnosis, + immunotherapy. Birch pollen, + allergy, + allergen, + diagnosis, + immunotherapy

Nomenclature

According to ITIS, the scientific name is Ostrya virginiana (TSN 19511). Common names are eastern hophornbeam and hophornbeam. The genus, species, and common names are correct. The Ostrya genus is found in the Betulaceae family and Fagales order. Birch, Alder, and Hazel are also in the order of Fagales.

Parent Product

857 - Pollens - Trees, Hornbeam, Ostrya virginiana

Related Products

861 - Pollens - Trees, Ironwood (Hop-Hornbeam) Ostrya virginiana

Published Data

Hornbeam is not as prevalent as Birch, Alder or Hazel, but considering the cross-reactivity, similar clinical patterns can be expected with all members of the Fagales Family. Several papers (PMID # 9802365, 2005320, 1715032) reported that pollens from the order Fagales contain cross-reactive allergens.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
857_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
857_ Int Arch Allergy Immunol 138-59.pdf	16103688	Gafvelin, G.	2005
857_ Allergy 45-241.pdf	2200296	Boye, N.P.	1990
857_ J Allergy Clin Immunol-115-1184.pdf	15940132	Marogna, M.	2005
709_ J Allergy Clin Immunol 102-579.pdf	9802365	Niederberger, V.	1998
709_ J Allergy Clin Immunol 87-677.pdf	2005320	Valenta, R.	1991
709_ Mol Immunol 28-897.pdf	1715032	Rohac, M.	1994

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 858 - Pollens - Trees, Hornbeam, American Carpinus carolineana

Recommended Scientific Name Carpinus caroliniana

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Carpinus caroliniana, + allergy, + allergen, + diagnosis, + immunotherapy. American Hornbeam. Hornbeam

Google: Carpinus caroliniana, + allergy, + allergen, + diagnosis, + immunotherapy. American Hornbeam. Hornbeam

Nomenclature

According to ITIS, the correct spelling of Carpinus carolineana is Carpinus caroliniana. Common names are American hornbeam and american hornbeam. The Carpinus genus is in the Betulaceae family.

Parent Product

858 - Pollens - Trees, Hornbeam, American Carpinus carolineana

Related Products

740 - Pollens - Trees, Beech, Hornbeam Carpinus caroliniana

760 - Pollens - Trees, Blue Beech (Am. Hornbeam) Carpinus carolineana

Published Data

Several papers (PMID 9802365, 2005320, 1715032) reported that pollens from the order Fagales contain cross-reactive allergens. Birch pollen is frequently cited as being highly cross-reactive with alder, hazel, and hornbeam pollen. The major allergens from birch (Bet v 1), alder (Aln g 1), hazel (Cor a 1), and hornbeam (Car b 1) have been characterized, showing high sequence similarity (up to 80.5 - 83%) with each other. Some papers estimate approximately 95% of patients allergic to tree pollens from the order Fagales display IgE binding to these 4 allergens. Multiple papers reported on extensive in vitro cross-reactivity to birch, alder, hornbeam and hazelnut.

Two papers (PMIDs 9802365, 1715032) reported on patients with positive skin prick test reactions to European hornbeam (Carpinus betulus) extracts who also had positive skin prick tests to pollen extracts from various other tree pollen extracts.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
857_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
857_ Int Arch Allergy Immunol 138-59.pdf	16103688	Gafvelin, G.	2005
857_ Allergy 45-241.pdf	2200296	Boye, N.P.	1990
857_ J Allergy Clin Immunol-115-1184.pdf	15940132	Marogna, M.	2005
709_ J Allergy Clin Immunol 102-579.pdf	9802365	Niederberger, V.	1998
844_ Clin Exp Allergy 33-1419.pdf	14519150	Mari, A.	2003
709_ J Allergy Clin Immunol 87-677.pdf	2005320	Valenta, R.	1991
709_ Mol Immunol 28-897.pdf	1715032	Rohac, M.	1994

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 859 - Pollens - Trees, Hornbeam, European Carpinus betulas

Recommended Common Name Hornbeam, European

Recommended Scientific Name Carpinus betulus

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Carpinus betulus, European Hornbeam, Hornbeam, Birch + allergy, + allergen, + diagnosis, + immunotherapy
Google: Carpinus betulus, European Hornbeam, Hornbeam, Birch + allergy, + allergen, + diagnosis, + immunotherapy

Nomenclature

According to ITIS, the scientific name is Carpinus betulus (TSN 184204). The common name is European hornbeam. The genus, species, and common names are correct. Carpinus genus is found in the Betulaceae family and Fagales order. Birch, Alder, and Hazel are also in the order of Fagales.

Parent Product

859 - Pollens - Trees, Hornbeam, European Carpinus betulas

Published Data

Several papers (PMID 9802365, 2005320, 1715032) reported that pollens from the order Fagales contain cross-reactive allergens. Birch pollen is frequently cited as being highly cross-reactive with alder, hazel, and hornbeam pollen. The major allergens from birch (Bet v 1), alder (Aln g 1), hazel (Cor a 1), and hornbeam (Car b 1) have been characterized, showing high sequence similarity (up to 80.5 - 83%) with each other. Some papers estimate approximately 95% of patients allergic to tree pollens from the order Fagales display IgE binding to these 4 allergens. Multiple papers reported on extensive in vitro cross-reactivity to birch, alder, hornbeam and hazelnut.

Two papers (PMID 9802365, 1715032) reported on patients with positive skin prick test reactions to European hornbeam (Carpinus betulus) extracts who also had positive skin prick tests to pollen extracts from various other tree pollen extracts.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
857_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
858_ Int Arch Allergy Immunol 138-59.pdf	16103688	Gafvelin, G.	2005
857_ Allergy 45-241.pdf	2200296	Boye, N.P.	1990
857_ J Allergy Clin Immunol-115-1184.pdf	15940132	Marogna, M.	2005
709_ J Allergy Clin Immunol 102-579.pdf	9802365	Niederberger, V.	1998
844_ Clin Exp Allergy 33-1419.pdf	14519150	Mari, A.	2003
709_ J Allergy Clin Immunol 87-677.pdf	2005320	Valenta, R.	1991
709_ Mol Immunol 28-897.pdf	1715032	Rohac, M.	1994

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 860 - Pollens - Trees, Iodine bush *Allenrolfea occidentalis*

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: allenrolfea occidentalis, + allergy, + pollen extract (no results); Alenrolfea, + allergy (no results); Iodinebush (no results).

Google: allenrolfea occidentalis and allenrolfea allergy

Nomenclature

According to ITIS, the scientific name is *Allenrolfea occidentalis*. Common name is iodinebush. The genus, species, and common names are correct. Synonym is *Halostachys occidentalis*. *Allenrolfea* genus is found in *Chenopodiaceae* family.

Parent Product

860 - Pollens - Trees, Iodine bush *Allenrolfea occidentalis*

Published Data

No journal articles found on the *Allenrolfea* genus or this particular species. PMID 9802365, 2005320, 1715032 demonstrates a potential for cross-reactivity within the *Chenopodiaceae* Family, but no cross-reactivity data were found within the genus *Allenrolfea*.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
709_ J Allergy Clin Immunol 102-579.pdf	9802365	Niederberger, V.	1998
709_ J Allergy Clin Immunol 87-677.pdf	2005320	Valenta, R.	1991
709_ Mol Immunol 28-897.pdf	1715032	Rohac, M.	1994

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 861 - Pollens - Trees, Ironwood (Hop-Hornbean) Ostrya virginiana

Recommended Common Name Hophornbeam, Eastern

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Ostrya Virginiana; Hornbeam, + allergy, + diagnosis, + immunotherapy

Google: Birch, + pollen, + allergy

Nomenclature

According to ITIS, the scientific name is Ostrya virginiana (TSN 19511). Common names are eastern hophornbeam and hophornbeam. The Ostrya genus is found in the Betulaceae family and Fagales order. Birch, Alder, and Hazel are also in the order of Fagales.

Parent Product

857 - Pollens - Trees, Hornbeam, Ostrya virginiana

Related Products

861 - Pollens - Trees, Ironwood (Hop-Hornbean) Ostrya virginiana

Published Data

Hornbeam is not as prevalent as Birch, Alder or Hazel, but considering the cross-reactivity, similar clinical patterns can be expected with all members of the Fagales Family. Several papers (PMID 9802365, 2005320, 1715032) reported that pollens from the order Fagales contain cross-reactive allergens.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
709_J Allergy Clin Immunol 102-579.pdf	9802365	Niederberger, V.	1998
709_J Allergy Clin Immunol 87-677.pdf	2005320	Valenta, R.	1991
709_Mol Immunol 28-897.pdf	1715032	Rohac, M.	1994

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 862 - Pollens - Trees, Juniper, California Juniperus californica

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)

Search Strategy

PubMed: Juniper tree pollen allergy, Juniper tree allergen

Google: Juniper tree pollen allergy, Juniper tree allergen

Nomenclature

According to ITIS, the scientific name is Juniperus californica (TSN 194816). Common name is California juniper. The genus, species, and common names are correct. Synonyms are J. cedrosiana, J. cerrosianus, and J. pyriformus and Sabina californica. Juniperus genus is in the Cupressaceae family.

Parent Product

862 - Pollens - Trees, Juniper, California Juniperus californica

Published Data

PMID 12859563 demonstrates that ten patients who were skin prick tested with raw J. californica extract (Center Laboratories) in a study of Mountain cedar (J. ashei) allergic patients. All 10 patients presented a positive skin wheal-and flare response. The genus Juniper is widely distributed in the northern hemisphere. To date, three major allergens have been identified: Jun a 1, Jun a 2, and Jun a 3.

A high degree of cross-reactivity could be expected among the different species of the family (Yman L. Botanical relations and immunological cross-reactions in pollen allergy. 2nd ed. Pharmacia Diagnostics AB. Uppsala. Sweden. 1982: ISBN 91-970475-09) and between the Cupressus and Juniperus genera, which actually have very similar allergenic compositions (PMIDs 10674571, 12897724).

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
862_ Allergy-58-808 (Cypress Pollen).pdf	12859563	Hrabina, M.	2003
862_ Ann Allergy Asthma Immunol 84 87-93.pdf	10674571	Schwietz, L.A.	2000
773_ AnnAllergy 2-87.pdf	804829	Yoo, T.J.	1975
783_ JACI 112-229.pdf	12897724	Weber, R.W.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 863 - Pollens - Trees, Juniper, Chinese Juniperus chinensis

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Juniper allergy, allergen, diagnosis, cross-reactivity

Google: Juniper tree pollen, allergy

Nomenclature

According to ITIS, the scientific name is Juniperus chinensis (TSN 505930). Common name is Chinese juniper. The genus, species, and common names are correct. Juniperus genus is in the Cupressaceae family.

Parent Product

863 - Pollens - Trees, Juniper, Chinese Juniperus chinensis

Published Data

PMID 12859563 demonstrates that ten patients who were skin prick tested with raw J. californica extract (Center Laboratories) in a study of Mountain cedar (J. ashei) allergic patients. All 10 patients presented a positive skin wheal-and flare response. The genus Juniper is widely distributed in the northern hemisphere. To date, three major allergens have been identified: Jun a 1, Jun a 2, and Jun a 3.

A high degree of cross-reactivity could be expected among the different species of the family (Yman L. Botanical relations and immunological cross-reactions in pollen allergy. 2nd ed. Pharmacia Diagnostics AB. Uppsala. Sweden. 1982: ISBN 91-970475-09) and between the Cupressus and Juniperus genera, which actually have very similar allergenic compositions (PMIDs 10674571, 12897724).

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
862_ Allergy-58-808 (Cypress Pollen).pdf	12859563	Hrabina, M.	2003
862_ Ann Allergy Asthma Immunol 84 87-93.pdf	10674571	Schwietz, L.A.	2000
773_ AnnAllergy 2-87.pdf	804829	Yoo, T.J.	1975
783_ JACI 112-229.pdf	12897724	Weber, R.W.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 864 - Pollens - Trees, Juniper, Oneseed Juniperus monosperma

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Juniper allergy, allergen, diagnosis, cross-reactivity
Google: Juniper tree pollen, allergy

Nomenclature

According to ITIS, the scientific name is Juniperus monosperma (TSN 194853). Common name is oneseed juniper. The genus, species, and common names are correct. Synonyms are Juniperus occidentalis var. gymnocarpa and Sabina monosperma. Juniperus genus is in the Cupressaceae family.

Parent Product

864 - Pollens - Trees, Juniper, Oneseed Juniperus monosperma

Published Data

PMID 12859563 demonstrates that ten patients who were skin prick tested with raw J. californica extract (Center Laboratories) in a study of Mountain cedar (J. ashei) allergic patients. All 10 patients presented a positive skin wheal-and flare response. The genus Juniper is widely distributed in the northern hemisphere. To date, three major allergens have been identified: Jun a 1, Jun a 2, and Jun a 3.

A high degree of cross-reactivity could be expected among the different species of the family (Yman L. Botanical relations and immunological cross-reactions in pollen allergy. 2nd ed. Pharmacia Diagnostics AB. Uppsala. Sweden. 1982: ISBN 91-970475-09) and between the Cupressus and Juniperus genera, which actually have very similar allergenic compositions (PMIDs 10674571, 12897724).

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
862_ Allergy-58-808 (Cypress Pollen).pdf	12859563	Hrabina, M.	2003
862_ Ann Allergy Asthma Immunol 84 87-93.pdf	10674571	Schwietz, L.A.	2000
773_ AnnAllergy 2-87.pdf	804829	Yoo, T.J.	1975
783_ JACI 112-229.pdf	12897724	Weber, R.W.	2003

<u>Panels:</u>	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 865 - Pollens - Trees, Juniper, Pfitzer Juniperus pfitzerama

Recommended Scientific Name Juniperus, (species to be specified)

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Juniperus pfitzerama, Juniper tree pollen allergy

Google: Juniperus pfitzerama

Nomenclature

According to ITIS, this species of Juniperus does not exist. A search of USDA Plants Database was performed and the scientific and common names were not found.

Parent Product

865 - Pollens - Trees, Juniper, Pfitzer Juniperus pfitzerama

Published Data

PMID 12859563 demonstrates that ten patients who were skin prick tested with raw J. californica extract (Center Laboratories) in a study of Mountain cedar (J. ashei) allergic patients. All 10 patients presented a positive skin wheal-and flare response. The genus Juniper is widely distributed in the northern hemisphere. To date, three major allergens have been identified: Jun a 1, Jun a 2, and Jun a 3.

A high degree of cross-reactivity could be expected among the different species of the family (Yman L. Botanical relations and immunological cross-reactions in pollen allergy. 2nd ed. Pharmacia Diagnostics AB. Uppsala. Sweden. 1982: ISBN 91-970475-09) and between the Cupressus and Juniperus genera, which actually have very similar allergenic compositions (PMIDs 10674571, 12897724).

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
862_ Allergy-58-808 (Cypress Pollen).pdf	12859563	Hrabina, M.	2003
862_ Ann Allergy Asthma Immunol 84 87-93.pdf	10674571	Schwietz, L.A.	2000
773_ AnnAllergy 2-87.pdf	804829	Yoo, T.J.	1975
783_ JACI 112-229.pdf	12897724	Weber, R.W.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 866 - Pollens - Trees, Juniper, Pinchot Juniperus pinchotti

Recommended Scientific Name Juniperus pinchotii

Manufacturers of this Product

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Juniper tree pollen allergy, allergen, cross-reactivity, diagnosis

Google: Juniper tree pollen, allergy

Nomenclature

According to ITIS, the correct spelling of Juniperus pinchotti is Juniperus pinchotii. Common names are Pinchot juniper, Pinchot's juniper, and redberry juniper. The genus, species, and common names are correct. Synonyms are Juniperus monosperma var. pinchotii, Juniperus monosperma pinchotti, and Juniperus texensis. Juniperus genus is in the Cupressaceae family.

Parent Product

866 - Pollens - Trees, Juniper, Pinchot Juniperus pinchotti

Published Data

PMID 12859563 demonstrates that ten patients who were skin prick tested with raw J. californica extract (Center Laboratories) in a study of Mountain cedar (J. ashei) allergic patients. All 10 patients presented a positive skin wheal-and flare response. The genus Juniper is widely distributed in the northern hemisphere. To date, three major allergens have been identified: Jun a 1, Jun a 2, and Jun a 3.

A high degree of cross-reactivity could be expected among the different species of the family (Yman L. Botanical relations and immunological cross-reactions in pollen allergy. 2nd ed. Pharmacia Diagnostics AB. Uppsala. Sweden. 1982: ISBN 91-970475-09) and between the Cupressus and Juniperus genera, which actually have very similar allergenic compositions (PMIDs 10674571, 12897724).

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
862_ Allergy-58-808 (Cypress Pollen).pdf	12859563	Hrabina, M.	2003
862_ Ann Allergy Asthma Immunol 84 87-93.pdf	10674571	Schwietz, L.A.	2000
773_ AnnAllergy 2-87.pdf	804829	Yoo, T.J.	1975
783_ JACI 112-229.pdf	12897724	Weber, R.W.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 867 - Pollens - Trees, Juniper, Rocky Mountain Juniperus scopulorum

Manufacturers of this Product

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Juniper tree pollen, allergy, allergen, diagnosis, cross-reactivity
Google: Juniper tree pollen, allergy

Nomenclature

According to ITIS, the scientific name is Juniperus scopulorum (TSN 194872). Common name is Rocky Mountain juniper. The genus, species, and common names are correct. Synonyms are Juniperus scopulorum var. columnaris, Juniperus virginiana var. montana, Juniperus virginiana ssp. scopulorum, Juniperus virginiana var. scopulorum, and Sabina scopulorum. Juniperus genus is found in the Cupressaceae family.

Parent Product

867 - Pollens - Trees, Juniper, Rocky Mountain Juniperus scopulorum

Published Data

PMID 12859563 demonstrates that ten patients who were skin prick tested with raw J. californica extract (Center Laboratories) in a study of Mountain cedar (J. ashei) allergic patients. All 10 patients presented a positive skin wheal-and flare response. The genus Juniper is widely distributed in the northern hemisphere. To date, three major allergens have been identified: Jun a 1, Jun a 2, and Jun a 3.

A high degree of cross-reactivity could be expected among the different species of the family (Yman L. Botanical relations and immunological cross-reactions in pollen allergy. 2nd ed. Pharmacia Diagnostics AB. Uppsala. Sweden. 1982: ISBN 91-970475-09) and between the Cupressus and Juniperus genera, which actually have very similar allergenic compositions (PMIDs 10674571, 12897724).

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
862_ Allergy-58-808 (Cypress Pollen).pdf	12859563	Hrabina, M.	2003
862_ Ann Allergy Asthma Immunol 84 87-93.pdf	10674571	Schwietz, L.A.	2000
773_ AnnAllergy 2-87.pdf	804829	Yoo, T.J.	1975
783_ JACI 112-229.pdf	12897724	Weber, R.W.	2003

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	Category I
<u>Therapy:</u>	none	Category I

Product: 868 - Pollens - Trees, Juniper, Utah Juniperus osteosperma

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)

Search Strategy

PubMed: Juniper tree pollen allergy, allergen, diagnosis, cross-reactivity

Google: Juniper tree pollen, allergy

Nomenclature

According to ITIS, the scientific name is Juniperus osteosperma (TSN 194859). Common name is Utah juniper. The genus, species, and common names are correct. Synonyms are Juniperus californica ssp. osteosperma, J. californica var. osteosperma, J. californica var. utahensis, J. knightii, J. megalocarpa, J. monosperma var. knightii. J. occidentalis var. utahensis, J. utahensis, J. utahensis var. megalocarpa, Sabina osteosperma, and Sabina utahensis. Juniperus genus is found in the Cupressaceae family.

Parent Product

868 - Pollens - Trees, Juniper, Utah Juniperus osteosperma

Published Data

PMID 12859563 demonstrates that ten patients who were skin prick tested with raw J. californica extract (Center Laboratories) in a study of Mountain cedar (J. ashei) allergic patients. All 10 patients presented a positive skin wheal-and flare response. The genus Juniper is widely distributed in the northern hemisphere. To date, three major allergens have been identified: Jun a 1, Jun a 2, and Jun a 3.

A high degree of cross-reactivity could be expected among the different species of the family (Yman L. Botanical relations and immunological cross-reactions in pollen allergy. 2nd ed. Pharmacia Diagnostics AB. Uppsala. Sweden. 1982: ISBN 91-970475-09) and between the Cupressus and Juniperus genera, which actually have very similar allergenic compositions (PMIDs 10674571, 12897724).

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
862_ Allergy-58-808 (Cypress Pollen).pdf	12859563	Hrabina, M.	2003
862_ Ann Allergy Asthma Immunol 84 87-93.pdf	10674571	Schwietz, L.A.	2000
773_ AnnAllergy 2-87.pdf	804829	Yoo, T.J.	1975
783_ JACI 112-229.pdf	12897724	Weber, R.W.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 869 - Pollens - Trees, Juniper, Western Juniperus occidentalis

Manufacturers of this Product

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)

Search Strategy

PubMed: Juniper tree pollen, allergy, allergen

Google: Juniper tree pollen allergy, Juniper tree allergen

Nomenclature

According to ITIS, the scientific name is Juniperus occidentalis (TSN 194855). Common name is western juniper. The genus, species, and common names are correct. Juniperus genus is found in the Cupressaceae family.

Parent Product

869 - Pollens - Trees, Juniper, Western Juniperus occidentalis

Published Data

PMID 12859563 demonstrates that ten patients who were skin prick tested with raw J. californica extract (Center Laboratories) in a study of Mountain cedar (J. ashei) allergic patients. All 10 patients presented a positive skin wheal-and flare response. The genus Juniper is widely distributed in the northern hemisphere. To date, three major allergens have been identified: Jun a 1, Jun a 2, and Jun a 3.

A high degree of cross-reactivity could be expected among the different species of the family (Yman L. Botanical relations and immunological cross-reactions in pollen allergy. 2nd ed. Pharmacia Diagnostics AB. Uppsala. Sweden. 1982: ISBN 91-970475-09) and between the Cupressus and Juniperus genera, which actually have very similar allergenic compositions (PMIDs 10674571, 12897724).

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
862_ Allergy-58-808 (Cypress Pollen).pdf	12859563	Hrabina, M.	2003
862_ Ann Allergy Asthma Immunol 84 87-93.pdf	10674571	Schwietz, L.A.	2000
773_ AnnAllergy 2-87.pdf	804829	Yoo, T.J.	1975
783_ JACI 112-229.pdf	12897724	Weber, R.W.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 870 - Pollens - Trees, Kiawe (Mesquite) Prosopis pallida

Recommended Common Name Kiawe

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Mesquite pollen allergy

Google: kiawe pollenallergy; kiawe pollenallergy adverse; kiawe pollenallergen; kiawe pollenallergen adverse; same search results performed for Mesquite pollen and Prosopis pallida

Nomenclature

According to ITIS, the correct spelling of the scientific name is Prosopis pallida. Common names are listed as Algaroba, Kiawe, Mesquite. Prosopis limensis is a currently unacceptable synonym. Prosopis genus is found in the the Fabaceae family.

Parent Product

870 - Pollens - Trees, Kiawe (Mesquite) Prosopis pallida

Published Data

PMID 12417896: 327 Patients underwent skin prick testing (SPT) and RAST for common allergens in a study in the United Arab Emirates. Of the subjects, 244 had positive results, and the most common reaction was Mesquite (45.5%).

PMID 853175: Skin reactions to mesquite pollen extract occurred in 62% of 100 consecutive patients tested at an adult allergy clinic despite absence of the plant within a 50-mile radius. RAST studies confirmed that the skin tests represented specific IgE antibodies to the mesquite pollen. Nasal, conjunctival, and bronchial challenges indicated that mesquite provoked symptoms in a specific manner.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
870_ J Allergy Clin Immunol-110-814.pdf	12417896	More, D.	2002
870_ J Allergy Clin Immunol 59-359.pdf	853175	Novey, H.S.	1977
870_ Allergie et Immunol 34-281.pdf	12449666	Bener, A.	2002

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 871 - Pollens - Trees, Larch, European Larix decidua

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: larch tree pollen, allergy, allergen. Larix allergy. No results

Google: Larch tree, pollen, allergy, allergen. Larix allergy. No results.

Nomenclature

According to ITIS, the scientific name is Larix decidua (TSN 183410). Common name is European larch. The genus, species, and common names are correct. Synonym is Pinus larix. Larix genus is in the Pinaceae family.

Parent Product

871 - Pollens - Trees, Larch, European Larix decidua

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 872 - Pollens - Trees, Lilac Syringa vulgaris

Recommended Common Name Lilac, Common

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Lilac tree pollen allergy

Google: Lilac tree pollen

Nomenclature

According to ITIS, the scientific name is *Syringa vulgaris* (TSN 32996). Common name is common lilac. No synonyms are listed. *Syringa* genus is found in the Oleaceae family.

Parent Product

872 - Pollens - Trees, Lilac *Syringa vulgaris*

Published Data

PMID 9284982: Cross-reactivity of the four Oleaceae species (Olive, ash, privet, and lilac) was studied. 51 patients and 13 atopic controls were studied in Spain by means of intracutaneous skin tests, histamine-release tests against the four extracts and specific IgE to *O. Europeae*. The protein content of the four extracts was assessed by SDS PAGE and immunoblotting. Six common bands were found to be responsible for the cross-reactivity. The cross-reactivity was also corroborated by immunoblotting inhibition and fluoroenzymo-immunoassay (FEIA) inhibition. Skin tests were performed with intradermal injection of 50 µl of the extract. Papules were read 20 min after injection. A similar reaction was seen in all patients, although the response to *Olea* (olive) was greatest. The assumption can be made that there is no need for specific diagnosis or immunotherapy different from that related to *O. europaea*, since olive pollen contains all the antigens triggering the clinical response in patients whose primary sensitization is to *Olea* or other Oleaceae species.

PMID 16512810 reports on the use of polcalcins to diagnosis cross-reactivity within the Oleaceae family. Whereas for immunotherapy, the primary sensitization agent should be used.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
872_ Allergy 52-829.pdf	9284982	Pajarón, M.J.	1997
872_ Allergy 61-477.pdf	16512810	Ledesma, A.	2006

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 873 - Pollens - Trees, Linden (Basswood) Tilia americana

Recommended Common Name Basswood, American

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: trees and allergy and linden; trees and allergy and basswood

Google: basswood and allergy

Nomenclature

According to ITIS, the scientific name is Tilia Americana (TSN 21536). Common name is American basswood. The genus, species, and common names are correct. No synonyms are listed for this product. There are three varieties of Tilia americana: Tilia americana var. americana, Tilia americana var. caroliniana, and Tilia americana var. heterophylla. The Tilia genus is in the Tiliaceae family.

Parent Product

873 - Pollens - Trees, Linden (Basswood) Tilia americana

Published Data

PMID 15291831: A case report of a patient with itching and erythematous papulovesicular lesions on hands after contact with depilatory wax. Patch testing and bronchial challenge were performed.

PMID 11350317: A case report of a patient with rhinoconjunctivitis and asthma. Skin prick test to T. cordata, Lolium species, Olea species, Plantago species, Artemisia species, Platamus species, Chenopodium species and Parietaria species were positive. Conjunctival provocation test was positive.

According to Weber (PMID 12027081), there is high reactivity between trees in the Linden and Birch families. There are few reports regarding Linden allergy, and there is apparent high cross reactivity between Linden and Birch pollens.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
873_ Ann Allergy Asthma Immunol 88-A4.pdf.pdf	12027081	Weber, R.W.	2002
873_ Allergy 56-457.pdf.pdf	11350317	Mur, P.	2001
873_ Contact Derm 51-34.pdf	15291831	Krakowiak, A.	2004

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 874 - Pollens - Trees, Linden European Tilia cordata

Recommended Common Name Linden, Littleleaf

Recommended Scientific Name Tilia cordata

Manufacturers of this Product

Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)

Search Strategy

PubMed: trees and allergy and linden; trees and allergy and basswood

Google: basswood and allergy

Nomenclature

According to ITIS, the scientific name is Tilia cordata (TSN 505507). The genus and species are correct. The common name is listed as 'littleleaf linden'. No synonyms are listed for this product. The Tilia genus is in the Tiliaceae family.

Parent Product

874 - Pollens - Trees, Linden European Tilia cordata

Related Products

876 - Pollens - Trees, Linden, Heartleaf Tilia cordata

Published Data

As a group Basswood trees are ubiquitous throughout the eastern and midwestern United States. PMID 15291831: A case report of a patient with itching and erythematous papulovesicular lesions on hands after contact with depilatory wax. Patch testing and bronchial challenge were performed.

PMID 11350317: A case report of a patient with rhinoconjunctivitis and asthma. Skin prick test to T. cordata, Lolium species, Olea species, Plantago species, Artemisia species, Platamus species, Chenopodium species and Parietaria species were positive. Conjunctival provocation test was positive.

According to Weber (PMID 12027081), there is high reactivity between trees in the Linden and Birch families. There are few reports regarding Linden allergy, and there is apparent high cross reactivity between Linden and Birch pollens.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
873_ Ann Allergy Asthma Immunol 88-A4.pdf.pdf	12027081	Weber, R.W.	2002
873_ Allergy 56-457.pdf.pdf	11350317	Mur, P.	2001
873_ Contact Derm 51-34.pdf	15291831	Krakowiak, A.	2004
968_ Allergol et Immunopath 33-192.pdf	16045856	Loureiro, G.	371

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 875 - Pollens - Trees, Linden, European Tilia europaea

Recommended Common Name Linden, Common

Recommended Scientific Name Tilia X vulgaris

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: trees and allergy and linden; trees and allergy and basswood

Google: basswood and allergy

Nomenclature

According to ITIS, the current name of Tilia europaea is Tilia X vulgaris (TSN 505508). The common name is 'common linden'. The Tilia genus is in the Tiliaceae family.

Parent Product

875 - Pollens - Trees, Linden, European Tilia europaea

Published Data

PMID 15291831: A case report of a patient with itching and erythematous papulovesicular lesions on hands after contact with depilatory wax. Patch testing and bronchial challenge were performed.

PMID 11350317: A case report of a patient with rhinoconjunctivitis and asthma. Skin prick test to T. cordata, Lolium species, Olea species, Plantago species, Artemisia species, Platamus species, Chenopodium species and Parietaria species were positive. Conjunctival provocation test was positive.

According to Weber (PMID 12027081), there is high reactivity between trees in the Linden and Birch families. There are few reports regarding Linden allergy, and there is apparent high cross reactivity between Linden and Birch pollens.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
873_ Ann Allergy Asthma Immunol 88-A4.pdf.pdf	12027081	Weber, R.W.	2002
873_ Allergy 56-457.pdf.pdf	11350317	Mur, P.	2001
873_ Contact Derm 51-34.pdf	15291831	Krakowiak, A.	2004

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 876 - Pollens - Trees, Linden, Heartleaf Tilia cordata

Recommended Common Name Linden, Littleleaf

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: trees and allergy and linden; trees and allergy and basswood

Google: basswood and allergy

Nomenclature

According to ITIS, the scientific name is *Tilia cordata* (TSN 505507). The genus and species are correct. The common name is listed as 'littleleaf linden'. No synonyms are listed for this product. The *Tilia* genus is in the Tiliaceae family.

Parent Product

874 - Pollens - Trees, Linden European *Tilia cordata*

Related Products

876 - Pollens - Trees, Linden, Heartleaf *Tilia cordata*

Published Data

PMID 15291831: A case report of a patient with itching and erythematous papulovesicular lesions on hands after contact with depilatory wax. Patch testing and bronchial challenge were performed.

PMID 11350317: A case report of a patient with rhinoconjunctivitis and asthma. Skin prick test to *T. cordata*, *Lolium* species, *Olea* species, *Plantago* species, *Artemisia* species, *Platanus* species, *Chenopodium* species and *Parietaria* species were positive. Conjunctival provocation test was positive.

According to Weber (PMID 12027081), there is high reactivity between trees in the Linden and Birch families. There are few reports regarding Linden allergy, and there is apparent high cross reactivity between Linden and Birch pollens.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
873_Allergy 56-457.pdf.pdf	11350317	Mur, P.	2001
873_Ann Allergy Asthma Immunol 88-A4.pdf.pdf	12027081	Weber, R.W.	2002
873_Contact Derm 51-34.pdf	15291831	Krakowiak, A.	2004

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 877 - Pollens - Trees, Locust, Black Robinia acacia

Recommended Scientific Name Robinia pseudoacacia

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: Robinia; Robinia pseudoacacia; Robinia pseudo-acacia; Robinia allergy

Google: locust tree allergy; locust tree allergy adverse; locust tree allergen; locust tree allergen adverse; same search results performed for Robinia acacia

Nomenclature

Robinia acacia is not listed in ITIS. There are two scientific names associated with black locust, Robinia pseudo-acacia and Robinia pseudoacacia. Additional common names are fals acacia and yellow locust. Robinia genus is in the Fabaceae family.

Parent Product

878 - Pollens - Trees, Locust, Black Robinia pseudoacacia

Related Products

877 - Pollens - Trees, Locust, Black Robinia acacia

Published Data

PMID 16045856: Out of 371 patients who were skin prick tested for aeroallergens, 12.2% were positive to R. pseudoacacia.

PMID 16680930: Of the 149 patients with pollinosis, 64 or 43% were skin prick test positive to R. pseudoacacia. Based on an IgE inhibition study R. pseudoacacia was completely inhibited by Robinia, Chenopodium, Olea, Cupressus, and Lolium extracts.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
968_Allergol et Immunopath 33-192.pdf	16045856	Loureiro, G.	371
878_Ann Allergy Asthma Immunol 96-586.pdf	16680930	Compés, E.	2006

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 878 - Pollens - Trees, Locust, Black Robinia pseudoacacia

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: locust, +tree, +allergy; Robinia + allergy
Google: locust +tree +allergy
Allergynet: locust tree

Nomenclature

According to ITIS, the scientific name is Robinia pseudoacacia (TSN 504804). Common names are black locust, false acacia, and yellow locust. The genus, species, and common names are correct. Synonym is Robinia pseudoacacia var. rectissima. Robinia genus is in the Fabaceae family.

Parent Product

878 - Pollens - Trees, Locust, Black Robinia pseudoacacia

Related Products

877 - Pollens - Trees, Locust, Black Robinia acacia

Published Data

PMID 16045856: Out of 371 patients who were skin prick tested for aeroallergens, 12.2% were positive to R. pseudoacacia.

PMID 16680930: Of the 149 patients with pollinosis, 64 or 43% were skin prick test positive to R. pseudoacacia. Based on an IgE inhibition study R. pseudoacacia was completely inhibited by Robinia, Chenopodium, Olea, Cupressus, and Lolium extracts.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
968_ Allergol et Immunopath 33-192.pdf	16045856	Loureiro, G.	371
878_ Ann Allergy Asthma Immunol 96-586.pdf	16680930	Compés, E.	2006

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 879 - Pollens - Trees, Locust, Honey Gleditsia triacanthos

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: locust , +tree, +allergy; gleditsia + allergy

Google: locust +tree +allergy

Allergynet: locust tree, honey locust

Nomenclature

According to ITIS, the scientific name is Gleditsia triacanthos (TSN 26714). Common names are common honeylocust, honey locust, and honey-locust. The genus, species, and common names are correct. Synonyms are Gleditsia triacanthos var. inermis and Gleditsia triacanthus inermis. Gleditsia genus is in the Fabaceae family.

Parent Product

879 - Pollens - Trees, Locust, Honey Gleditsia triacanthos

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 880 - Pollens - Trees, Magnolia Magnolia sp.

Recommended Scientific Name Magnolia, (species to be specified)

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: magnolia + allergy

Allergynet: magnolia

Google: magnolia + allergy

Nomenclature

According to ITIS, there are twelve species in the Magnolia genus (TSN 18069). Magnolia genus is in the Magnoliaceae family.

Parent Product

880 - Pollens - Trees, Magnolia Magnolia sp.

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 881 - Pollens - Trees, Mango Blossom Mangifera sp.

Recommended Scientific Name Mangifera, (species to be specified)

Manufacturers of this Product

- Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
- Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
- Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: mango, +pollen, +allergy
Google: mango +pollen +allergy

Nomenclature

According to ITIS, there are five species for the Mangifera genus (TSN 28802). Mangifera genus is in the Anacardiaceae family.

Parent Product

881 - Pollens - Trees, Mango Blossom Mangifera sp.

Published Data

While there are proteins in the mango fruit that cause contact dermatitis, there is one report of allergy to mango pollen (PMID 1792479).

PMID 1792479 is written in Spanish, data are obtained from the abstract which is in English.

There are two reports (PMID 1792479 and 11251404). that refer to cross-reactivity of mango pollen with birch and with the piru tree (Schinus molle), which is present in southern Europe, Texas, California, Hawaii and Puerto Rico. There is also cross-reactivity of an allergen in the fruit with a 35kD protien in birch pollen.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
881_ Rev Alerg 38-134.doc.pdf	1792479	Vargas Correa, J.B.	1991
881_ Allergy 56-237.pdf	11251404	Paschke, A.	2001

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 882 - Pollens - Trees, Maple Acer spp.

Recommended Scientific Name Acer, (species to be specified)

Manufacturers of this Product

- Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
- Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
- ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
- Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
- Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)
- Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

- PubMed: maple + allergy
- Google: maple + allergy
- Middleton: "Principles and Practice of Allergy"

Nomenclature

According to ITIS, twenty-one species of Acer (TSN 28727) are listed. Acer genus is in the family of Aceraceae.

Parent Product

882 - Pollens - Trees, Maple Acer spp.

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 883 - Pollens - Trees, Maple, Big-Leaf (Coast) Acer macrophyllum

Recommended Common Name Maple, Big-Leaf

Recommended Scientific Name Acer macrophyllum

Manufacturers of this Product

Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)

Search Strategy

PubMed: maple and allergy

Google: maple and allergy

Nomenclature

According to ITIS, the scientific name is Acer macrophyllum (TSN 28748). The common name is bigleaf maple. The genus, species, and common names are correct. No additional common names or synonyms are listed. Acer genus is in the family of Aceraceae.

Parent Product

883 - Pollens - Trees, Maple, Big-Leaf (Coast) Acer macrophyllum

Published Data

PMID 1147318: Mixtures of A. negundo, A. saccharinum, and A. rubrum were used to perform skin testing on patients. 27% of patients tested were positive to Maple mixture.

PMID 12221895: 360 out of 371 patients tested positive for A. negundo by modified radioallergosorbent test (RAST).

PMID 751527: Patients were tested by skin test, provocation test, and RAST to twelve different allergens. One of these allergens was Maple. The species was not defined.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
883_ Annals Allergy 35-113.pdf.pdf	1147318	Lewis, W.H.	1975
883_ Asthma Allergy Proc 23-253.pdf	12221895	Lin, R.Y.	2002
883_ Allergy 33-299.pdf	751527	Erickson, N.E.	1978

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 884 - Pollens - Trees, Maple, Coast

Recommended Scientific Name Acer, (species to be specified)

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: maple and allergy
Google: maple and allergy

Nomenclature

Coast Maple is not listed in ITIS. Maple are in the Acer genus. the Acer genus is in the family of Aceraceae.

Parent Product

884 - Pollens - Trees, Maple, Coast

Published Data

PMID 1147318: Mixtures of A. negundo, A. saccharinum, and A. rubrum were used to perform skin testing on patients. 27% of patients tested were positive to Maple mixture.

PMID 12221895: 360 out of 371 patients tested positive for A. negundo by modified radioallergosorbent teset (RAST).

PMID 751527: Patients were tested by skin test, provocation test, and RAST to twelve different allergens. One of these allergens was Maple. The species was not defined

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
883_ Annals Allergy 35-113.pdf.pdf	1147318	Lewis, W.H.	1975
883_ Allergy 33-299.pdf	751527	Erickson, N.E.	1978

<u>Panels:</u>	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 885 - Pollens - Trees, Maple, Hard Acer saccharum

Recommended Common Name Maple, Sugar

Manufacturers of this Product

- Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
- Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
- Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
- Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: maple and allergy
Google: maple and allergy

Nomenclature

According to ITIS, the scientific name is Acer saccharum (TSN 28731). The genus and species names are correct. The common name is listed as 'sugar maple'. Acer rugelii and Acer saccharophorum are listed as unaccepted synonyms for this product. Acer genus is in the family of Aceraceae.

Parent Product

885 - Pollens - Trees, Maple, Hard Acer saccharum

Published Data

PMID 1147318: Mixtures of A. negundo, A. saccharinum, and A. rubrum were used to perform skin testing on patients. 27% of patients tested were positive to Maple mixture.

PMID 12221895: 360 out of 371 patients tested positive for A. negundo by modified radioallergosorbent test (RAST).

PMID 751527: Patients were tested by skin test, provocation test, and RAST to twelve different allergens. One of these allergens was Maple. The species was not defined.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
883_ Annals Allergy 35-113.pdf.pdf	1147318	Lewis, W.H.	1975
883_ Asthma Allergy Proc 23-253.pdf	12221895	Lin, R.Y.	2002
883_ Allergy 33-299.pdf	751527	Erickson, N.E.	1978

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 886 - Pollens - Trees, Maple, Red Acer rubrum

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: maple and allergy
Google: maple and allergy

Nomenclature

According to ITIS, the scientific name is *Acer rubrum* (TSN 28728). Common name is red maple. The genus, species, and common names are correct. There are three varieties of this tree: *Acer rubrum* var. *drummondii*, *Acer rubrum* var. *rubrum*, and *Acer rubrum* var. *trilobum*. *Acer* genus is in the family of *Aceraceae*.

Parent Product

886 - Pollens - Trees, Maple, Red *Acer rubrum*

Published Data

PMID 1147318: Mixtures of *A. negundo*, *A. saccharinum*, and *A. rubrum* were used to perform skin testing on patients. 27% of patients tested were positive to Maple mixture.

PMID 12221895: 360 out of 371 patients tested positive for *A. negundo* by modified radioallergosorbent test (RAST).

PMID 751527: Patients were tested by skin test, provocation test, and RAST to twelve different allergens. One of these allergens was Maple. The species was not defined

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
883_Asthma Allergy Proc 23-253.pdf	12221895	Lin, R.Y.	2002
883_Allergy 33-299.pdf	751527	Erickson, N.E.	1978
883_Annals Allergy 35-113.pdf.pdf	1147318	Lewis, W.H.	1975

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 887 - Pollens - Trees, Maple, Soft Acer saccharinum

Recommended Common Name Maple, Silver

Manufacturers of this Product

- Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
- Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
- Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
- Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: maple and allergy
Google: maple and allergy

Nomenclature

According to ITIS, the scientific name is *Acer saccharinum* (TSN 28757). The genus and species are correct. The common name is listed as 'silver maple.' *Acer dasycarpum*, *Acer saccharinum* var. *laciniatum*, *Acer saccharinum* var. *wieri*, and *Argentacer saccharinum* are unacceptable synonyms. *Acer* genus is in the family of *Aceraceae*.

Parent Product

887 - Pollens - Trees, Maple, Soft *Acer saccharinum*

Related Products

888 - Pollens - Trees, Maple, Sugar *Acer saccharinum*

Published Data

PMID 1147318: Mixtures of *A. negundo*, *A. saccharinum*, and *A. rubrum* were used to perform skin testing on patients. 27% of patients tested were positive to Maple mixture.

PMID 12221895: 360 out of 371 patients tested positive for *A. negundo* by modified radioallergosorbent test (RAST).

PMID 751527: Patients were tested by skin test, provocation test, and RAST to twelve different allergens. One of these allergens was Maple. The species was not defined

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
883_ Asthma Allergy Proc 23-253.pdf	12221895	Lin, R.Y.	2002
883_ Allergy 33-299.pdf	751527	Erickson, N.E.	1978
883_ Annals Allergy 35-113.pdf.pdf	1147318	Lewis, W.H.	1975

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 888 - Pollens - Trees, Maple, Sugar Acer saccharinum

Recommended Common Name Maple, Silver

Manufacturers of this Product

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: maple and allergy

Google: maple and allergy

Nomenclature

According to ITIS, the scientific name is *Acer saccharinum* (TSN 28757). The common name is listed as silver maple. The scientific and common names are correct and current. *Acer dasycarpum*, *Acer saccharinum* var. *laciniatum*, *Acer saccharinum* var. *wieri*, and *Argentacer saccharinum* are unacceptable synonyms. *Acer* genus is in the family of *Aceraceae*.

Parent Product

887 - Pollens - Trees, Maple, Soft Acer saccharinum

Related Products

888 - Pollens - Trees, Maple, Sugar Acer saccharinum

Published Data

PMID 1147318: Mixtures of *A. negundo*, *A. saccharinum*, and *A. rubrum* were used to perform skin testing on patients. 27% of patients tested were positive to Maple mixture.

PMID 12221895: 360 out of 371 patients tested positive for *A. negundo* by modified radioallergosorbent test (RAST).

PMID 751527: Patients were tested by skin test, provocation test, and RAST to twelve different allergens. One of these allergens was Maple. The species was not defined.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
883_ Annals Allergy 35-113.pdf.pdf	1147318	Lewis, W.H.	1975
883_ Asthma Allergy Proc 23-253.pdf	12221895	Lin, R.Y.	2002
883_ Allergy 33-299.pdf	751527	Erickson, N.E.	1978

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 889 - Pollens - Trees, Maple, Sycamore Acer pseudoplatanus

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: maple and allergy

Google: maple and allergy

Nomenclature

According to ITIS, the scientific name is *Acer pseudoplatanus* (TSN 28756). Common names are sycamore and sycamore maple. The scientific and common names are correct and current. This Sycamore tree is found in a few midwestern, eastern and southern states: MI, IL, KY, NC, MD, PA, NY, MA, and ME. It is not indigenous to the U.S., and is considered an invasive weed. *Acer* genus is in the family of Aceraceae.

Parent Product

889 - Pollens - Trees, Maple, Sycamore *Acer pseudoplatanus*

Published Data

PMID 1147318: Mixtures of *A. negundo*, *A. saccharinum*, and *A. rubrum* were used to perform skin testing on patients. 27% of patients tested were positive to Maple mixture.

PMID 12221895: 360 out of 371 patients tested positive for *A. negundo* by modified radioallergosorbent test (RAST).

PMID 751527: Patients were tested by skin test, provocation test, and RAST to twelve different allergens. One of these allergens was Maple. The species was not defined

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
883_ Annals Allergy 35-113.pdf.pdf	1147318	Lewis, W.H.	1975
883_ Asthma Allergy Proc 23-253.pdf	12221895	Lin, R.Y.	2002
883_ Allergy 33-299.pdf	751527	Erickson, N.E.	1978

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 890 - Pollens - Trees, Melaleuca (Punk Tree) Melaleuca quinquenervia

Recommended Common Name Bottle Brush

Manufacturers of this Product

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: melaleuca + allergy + pollen

Google: Melaleuca pollen allergy; Melaleuca pollen allergy adverse; Melaleuca pollen allergen; Melaleuca pollen allergen adverse

Nomenclature

According to ITIS, the scientific name is Melaleuca quinquenervia (TSN 27228). Common names are bottle brush tree, cajeput tree, melaleuca, niaouli, punktree, and paperbark. The genus, species, and common names are correct. Synonym is Melaleuca leucadendron. Melaleuca genus is in the Myrtaceae family.

Parent Product

890 - Pollens - Trees, Melaleuca (Punk Tree) Melaleuca quinquenervia

Related Products

892 - Pollens - Trees, Melaleuca Leucadendron Blossom

893 - Pollens - Trees, Melaleuca Melaleuca leucadendrom

894 - Pollens - Trees, Melaleuca, Blossom Melaleuca leucadendrom

Published Data

PMID 7920031 describes in vitro comparison of Callistemon citrinis (bottlebrush) verses Melaleuca leucadendron (melaleuca). A substantial amount of cross-reactivity between these two pollen extracts appears to exist.

PMID 12452213 evaluated M. quinquenervia as a potential aeroallergen. Sixteen out of 1017 subjects were skin test positive to Melaleuca pollen extracts. One of 6 double-blind nasal challenges and 1 of 4 single-blind bronchial challenges were positive.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
890_ IntArchAllergyImmunol 105-289.pdf	7920031	Sweeney, M.	1994
890_ Ann Allergy Asthma Immunol 89-523.pdf.pdf	12452213	Stablein, J.J.	2002

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 891 - Pollens - Trees, Melaleuca (Punk Tree) Mesquite Prosopis glandulosa

Recommended Common Name Mesquite, Honey

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: mesquite + allergy; Proposis glandulosa + allergy

Google: mesquite allergy; mesquite allergy adverse; mesquite allergen; mesquite allergen adverse; same search results performed for Prosopis glandulosa

Nomenclature

According to ITIS, the scientific name is Prosopis glandulosa (TSN 26879). The genus and species names are correct. The common name is listed a 'honey mesquite'. There are three varieties of P. glandulosa: glandulosa, prostrate, and torreyana. Prosopis genus is in the Fabaceae family.

Parent Product

895 - Pollens - Trees, Mesquite Prosopis juliflora

Related Products

891 - Pollens - Trees, Melaleuca (Punk Tree) Mesquite Prosopis glandulosa

896 - Pollens - Trees, Mesquite Prosopis juliflora (glandulosa)

Published Data

PMID 15236658: An in vitro examination of allergens from P. juliflora to determine potential cross-reactivity of the allergens.

PMID 15479271: 10.9% were skin prick tests positive using P. glandulosa at age 6 and 23.8% were skin prick test positive at age 11.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
891_Clin Mol Allergy 02-008 .pdf	15236658	Killian, S.	2004
891_Clin Exp Allergy 34-1563.pdf	15479271	Stern, D.A.	2004

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 892 - Pollens - Trees, Melaleuca Leucadendron Blossom

Recommended Common Name Bottle Brush

Recommended Scientific Name Melaleuca quinquenervia

Manufacturers of this Product

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: allergy and melaleuca and leucadendra

Google: Melaleuca pollen allergy; Melaleuca pollen allergy adverse; Melaleuca pollen allergen; Melaleuca pollen allergen adverse; same search results performed for Leucadendron blossom

Nomenclature

According to ITIS, the current name of Melaleuca leucadendron is Melaleuca quinquenervia (TSN 27228). Common names are bottle brush tree, cajeput tree, melaleuca, niaouli, punktree, and paperbark. The genus, species, and common names are correct. Synonym is Melaleuca leucadendron. Melaleuca genus is in the Myrtaceae family.

Parent Product

890 - Pollens - Trees, Melaleuca (Punk Tree) Melaleuca quinquenervia

Related Products

892 - Pollens - Trees, Melaleuca Leucadendron Blossom

893 - Pollens - Trees, Melaleuca Melaleuca leucadendrom

894 - Pollens - Trees, Melaleuca, Blossom Melaleuca leucadendrom

Published Data

PMID 7920031 describes in vitro comparison of Callistemon citrinis (bottlebrush) verses Melaleuca leucadendron (melaleuca). A substantial amount of cross-reactivity between these two pollen extracts appears to exist.

PMID 12452213 evaluated M. quinquenervia as a potential aeroallergen. Sixteen out of 1017 subjects were skin test positive to Melaleuca pollen extracts. One of 6 double-blind nasal challenges and 1 of 4 single-blind bronchial challenges were positive.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
761_ IntArchAllergyImmunol 105-289.pdf	7920031	Sweeney, M.	1994
890_ Ann Allergy Asthma Immunol 89-523.pdf.pdf	12452213	Stablein, J.J.	2002

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 893 - Pollens - Trees, Melaleuca Melaleuca leucadendrom

Recommended Common Name Bottle Brush

Recommended Scientific Name Melaleuca quinquenervia

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: allergy and melaleuca and leucadendra

Google: Melaleuca pollen allergy; Melaleuca pollen allergy adverse; Melaleuca pollen allergen; Melaleuca pollen allergen adverse; same search results performed for Melaleuca leucadendron

Nomenclature

According to ITIS, the current name of Melaleuca leucadendron is Melaleuca quinquenervia (TSN 27228). Common names are bottle brush tree, cajeput tree, melaleuca, niaouli, punktree, and paperbark. The genus, species, and common names are correct. Synonym is Melaleuca leucadendron. Melaleuca genus is in the Myrtaceae family.

Parent Product

890 - Pollens - Trees, Melaleuca (Punk Tree) Melaleuca quinquenervia

Related Products

892 - Pollens - Trees, Melaleuca Leucadendron Blossom

893 - Pollens - Trees, Melaleuca Melaleuca leucadendrom

894 - Pollens - Trees, Melaleuca, Blossom Melaleuca leucadendrom

Published Data

PMID 7920031 describes in vitro comparison of Callistemon citrinis (bottlebrush) verses Melaleuca leucadendron (melaleuca). A substantial amount of cross-reactivity between these two pollen extracts appears to exist.

PMID 12452213 evaluated M. quinquenervia as a potential aeroallergen. Sixteen out of 1017 subjects were skin test positive to Melaleuca pollen extracts. One of 6 double-blind nasal challenges and 1 of 4 single-blind bronchial challenges were positive.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
761_ IntArchAllergyImmunol 105-289.pdf	7920031	Sweeney, M.	1994
890_ Ann Allergy Asthma Immunol 89-523.pdf.pdf	12452213	Stablein, J.J.	2002

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 894 - Pollens - Trees, Melaleuca, Blossom Melaleuca leucadendrom

Recommended Common Name Bottle Brush

Recommended Scientific Name Melaleuca quinquenervia

Manufacturers of this Product

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: allergy and melaleuca and leucadendra

Google: Melaleuca pollen allergy; Melaleuca pollen allergy adverse; Melaleuca pollen allergen; Melaleuca pollen allergen adverse; same search results performed for Melaleuca leucadendrom

Nomenclature

According to ITIS, the current name of Melaleuca leucadendrom is Melaleuca quinquenervia (TSN 27228). Common names are bottle brush tree, cajeput tree, melaleuca, niaouli, punktree, and paperbark. The genus, species, and common names are correct. Synonym is Melaleuca leucadendrom. Melaleuca genus is in the Myrtaceae family.

Parent Product

890 - Pollens - Trees, Melaleuca (Punk Tree) Melaleuca quinquenervia

Related Products

892 - Pollens - Trees, Melaleuca Leucadendrom Blossom

893 - Pollens - Trees, Melaleuca Melaleuca leucadendrom

894 - Pollens - Trees, Melaleuca, Blossom Melaleuca leucadendrom

Published Data

PMID # 7920031 describes in vitro comparison of Callistemon citrinis (bottlebrush) verses Melaleuca leucadendrom (melaleuca). A substantial amount of cross-reactivity between these two pollen extracts appears to exist.

PMID 12452213 evaluated M. quinquenervia as a potential aeroallergen. Sixteen out of 1017 subjects were skin test positive to Melaleuca pollen extracts. One of 6 double-blind nasal challenges and 1 of 4 single-blind bronchial challenges were positive.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
761_ IntArchAllergyImmunol 105-289.pdf	7920031	Sweeney, M.	1994
890_ Ann Allergy Asthma Immunol 89-523.pdf.pdf	12452213	Stablein, J.J.	2002

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 895 - Pollens - Trees, Mesquite Prosopis juliflora

Recommended Common Name Mesquite, Velvet

Recommended Scientific Name Prosopis velutina

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: mesquite + allergy; Proposis glandulosa + allergy

Google: mesquite allergy; mesquite allergy adverse; mesquite allergen; mesquite allergen adverse; same search results performed for Prosopis juliflora

Nomenclature

According to ITIS, there are two listings for Prosopis juliflora (TSN 565434), common name is mesquite, and TSN 507836. For listing TSN 507836, the accepted scientific names are Prosopis glandulosa var glandulosa (TSN 529861) and Prosopis velutina (TSN 26883). The common name of Prosopis velutina is velvet mesquite. Prosopis genus is in the Fabaceae family.

Parent Product

895 - Pollens - Trees, Mesquite Prosopis juliflora

Related Products

891 - Pollens - Trees, Melaleuca (Punk Tree) Mesquite Prosopis glandulosa

896 - Pollens - Trees, Mesquite Prosopis juliflora (glandulosa)

Published Data

PMID 15236658: An in vitro examination of allergens from P. juliflora to determine potential cross-reactivity of the allergens.

PMID 15479271: 10.9% were skin prick tests positive using P. glandulosa at age 6 and 23.8% were skin prick test positive at age 11.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
891_Clin Mol Allergy 02-008 .pdf	15236658	Killian, S.	2004
891_Clin Exp Allergy 34-1563.pdf	15479271	Stern, D.A.	2004

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 896 - Pollens - Trees, Mesquite Prosopis juliflora (glandulosa)

Recommended Common Name Mesquite, Velvet

Recommended Scientific Name Prosopis velutina

Manufacturers of this Product

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: mesquite + allergy; Proposis glandulosa + allergy

Google: mesquite allergy; mesquite allergy adverse; mesquite allergen; mesquite allergen adverse; same search results performed for Prosopis juliflora

Nomenclature

According to ITIS, there are two listings for Prosopis juliflora (TSN 565434), common name is mesquite, and TSN 507836. For listing TSN 507836, the accepted scientific names are Prosopis glandulosa var glandulosa (TSN 529861) and Prosopis velutina (TSN 26883). The common name of Prosopis velutina is velvet mesquite. Prosopis genus is in the Fabaceae family.

Parent Product

895 - Pollens - Trees, Mesquite Prosopis juliflora

Related Products

891 - Pollens - Trees, Melaleuca (Punk Tree) Mesquite Prosopis glandulosa

896 - Pollens - Trees, Mesquite Prosopis juliflora (glandulosa)

Published Data

PMID 15236658: An in vitro examination of allergens from P. juliflora to determine potential cross-reactivity of the allergens.

PMID 15479271: 10.9% were skin prick tests positive using P. glandulosa at age 6 and 23.8% were skin prick test positive at age 11.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
891_ Clin Mol Allergy 02-008 .pdf	15236658	Killian, S.	2004
891_ Clin Exp Allergy 34-1563.pdf	15479271	Stern, D.A.	2004

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 897 - Pollens - Trees, Mesquite Prosopis spp.

Recommended Scientific Name Prosopis, (species to be specified)

Manufacturers of this Product

- Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
- ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
- Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)
- Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: mesquite and allergy; Proposis and allergy
Google: mesquite allergy; mesquite allergy adverse; mesquite allergen; mesquite allergen adverse; same search results performed for Prosopis

Nomenclature

According to ITIS, there are 3 varieties and 34 species within the genus of Prosopis (TSN 26878). Prosopis genus is in the Fabaceae family.

Parent Product

897 - Pollens - Trees, Mesquite Prosopis spp.

Published Data

PMID 15236658: An in vitro examination of allergens from P. juliflora to determine potential cross-reactivity of the allergens.

PMID 15479271: 10.9% were skin prick tests positive using P. glandulosa at age 6 and 23.8% were skin prick test positive at age 11.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
891_Clin Mol Allergy 02-008 .pdf	15236658	Killian, S.	2004
891_Clin Exp Allergy 34-1563.pdf	15479271	Stern, D.A.	2004

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category II	Category II
<u>Therapy:</u>	Category II	none

Product: 898 - Pollens - Trees, Mock Orange Philadelphus lewisii

Recommended Common Name Mock Orange, Lewis'

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed and ISI: mock orange; Philadelphus

Google: mock orange allergy; vallergy adverse; mock orange allergen; mock orange allergen adverse; same search results performed for Philadelphus lewisii

Nomenclature

According to ITIS, the scientific name is Philadelphus lewisii (TSN 24430). The genus and species names are correct. The common name is listed as Lewis' mock orange. Synonyms are Philadelphus gordonianus and P. lewisii var. angustifolius, ellipticus, gordonianus, helleri, intermedius, oblongifolius, parvifolius, platyphyllus, and subspecies gordonianus. Philadelphus genus is in the Hydrangeaceae family.

Parent Product

898 - Pollens - Trees, Mock Orange Philadelphus lewisii

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 899 - Pollens - Trees, Mock Orange, Sweet Philadelphus coronarius

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed and ISI: mock orange; Philadelphus

Google: mock orange allergy; vallery adverse; mock orange allergen; mock orange allergen adverse; same search results performed for Philadelphus coronarius

Nomenclature

According to ITIS, the scientific name is Philadelphus coronarius (TSN 24421). Common name is sweet mock orange. The genus, species, and common names are correct. Philadelphus genus is in the Hydrangeaceae family.

Parent Product

899 - Pollens - Trees, Mock Orange, Sweet Philadelphus coronarius

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 900 - Pollens - Trees, Mulberry, Morus spp

Recommended Scientific Name Morus, (species to be specified)

Manufacturers of this Product

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed and ISI: Morus or Mulberry and pollen

Google: mulberry allergy; mulberry allergy adverse; mulberry allergen; mulberry allergen adverse; same search results performed for Morus

Nomenclature

According to ITIS, there are five species of mulberry trees in the Morus genus (TSN 19064). Morus genus is in the Moraceae family.

Parent Product

900 - Pollens - Trees, Mulberry, Morus spp

Published Data

PMID 12775123 provides a review of the mulberry tree and allergenicity data.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
903_ Ann Allergy Asthma Immunol 90-A6.pdf	12775123	Weber, R.W.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 901 - Pollens - Trees, Mulberry, Paper Broussonetia papyrifera

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed and ISI: Morus or Mulberry + pollen
Google: mulberry allergy; mulberry allergy adverse; mulberry allergen; mulberry allergen adverse; same search results performed for Broussonetia papyrifera

Nomenclature

According to ITIS, the scientific name is Broussonetia papyrifera (TSN 19107). Common names are paper mulberry and wauke. The genus, species, and common names are correct. Synonyms are Morus papyrifera and Papyrius papyriferus. Broussonetia genus is in the Moraceae family.

Parent Product

901 - Pollens - Trees, Mulberry, Paper Broussonetia papyrifera

Related Products

902 - Pollens - Trees, Mulberry, Paper Morus papyrifera

Published Data

PMID 15355483: A case report of pollinosis to B. papyrifera. Patient was intensely positive by skin prick test (SPT) to B. papyrifera but had negative SPT to common aeroallergens.

PMID 12775123: Provides a review of the mulberry tree and allergenicity data.

PMID 14692424: A review article discussing key pollen allergens in North America. No conclusive conclusion associated with cross-reactivity within the Moraceae family was presented.

PMID 5560837: Two case reports for mulberry allergy. In both cases the patients had a positive scratch test to pollen extracts of Morus alba and B. papyrifera Patients were given immunotherapy with M. alba and allergenic symptoms improved.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
903_ Allergy 59-1136.pdf.pdf	15355483	Zanforlin, M.	2004
903_ Ann Allergy Asthma Immunol 90-A6.pdf	12775123	Weber, R.W.	2003
903_ Ann Allergy Asthma Immunol 91-425.doc.pdf	14692424	White, J.F.	2003
903_ Annals Allergy 29-318.pdf.pdf	5560837	Targow, A.M.	1971

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 902 - Pollens - Trees, Mulberry, Paper Morus papyrifera

Recommended Scientific Name Broussonetia papyrifera

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed and ISI: Morus or Mulberry + pollen

Google: mulberry allergy; mulberry allergy adverse; mulberry allergen; mulberry allergen adverse; same search results performed for Broussonetia papyrifera

Nomenclature

According to ITIS, the current scientific name of Morus papyrifera is Broussonetia papyrifera (TSN 19107). Common names are paper mulberry and wauke. The genus, species, and common names are correct. Synonyms are Morus papyrifera and Papyrius papyriferus. Broussonetia genus is in the Moraceae family.

Parent Product

901 - Pollens - Trees, Mulberry, Paper Broussonetia papyrifera

Related Products

902 - Pollens - Trees, Mulberry, Paper Morus papyrifera

Published Data

PMID 15355483: A case report of pollinosis to B. papyrifera. Patient was intensely positive by skin prick test (SPT) to B. papyrifera but had negative SPT to common aeroallergens.

PMID 12775123: Provides a review of the mulberry tree and allergenicity data.

PMID 14692424: A review article discussing key pollen allergens in North America. No conclusive conclusion associated with cross-reactivity within the Moraceae family was presented.

PMID 5560837: Two case reports for mulberry allergy. In both cases the patients had a positive scratch test to pollen extracts of Morus alba and B. papyrifera. Patients were given immunotherapy with M. alba and allergenic symptoms improved.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
903_ Allergy 59-1136.pdf.pdf	15355483	Zanforlin, M.	2004
903_ Ann Allergy Asthma Immunol 90-A6.pdf	12775123	Weber, R.W.	2003
903_ Ann Allergy Asthma Immunol 91-425.doc.pdf	14692424	White, J.F.	2003
903_ Annals Allergy 29-318.pdf.pdf	5560837	Targow, A.M.	1971

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 903 - Pollens - Trees, Mulberry, Red Morus rubra

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed and ISI: Morus or Mulberry + pollen
Google: mulberry allergy; mulberry allergy adverse; mulberry allergen; mulberry allergen adverse; same search results performed for Morus rubra

Nomenclature

According to ITIS, the scientific name is Morus rubra (TSN 19070). Common name is red mulberry. The genus, species, and common names are correct. Two varieties of this product are listed: M. rubra var. rubra and tomentosa. Broussonetia genus is in the Moraceae family.

Parent Product

903 - Pollens - Trees, Mulberry, Red Morus rubra

Published Data

PMID 15355483: A case report of pollinosis to B. papyrifera. Patient was intensely positive by skin prick test (SPT) to B. papyrifera but had negative SPT to common aeroallergens.
PMID 12775123: Provides a review of the mulberry tree and allergenicity data.
PMID 14692424: A review article discussing key pollen allergens in North America. No conclusive conclusion associated with cross-reactivity within the Moraceae family was presented.
PMID 5560837: Two case reports for mulberry allergy. In both cases the patients had a positive scratch test to pollen extracts of Morus alba and B. papyrifera Patients were given immunotherapy with M. alba and allergenic symptoms improved.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
903_ Allergy 59-1136.pdf.pdf	15355483	Zanforlin, M.	2004
903_ Ann Allergy Asthma Immunol 90-A6.pdf	12775123	Weber, R.W.	2003
903_ Ann Allergy Asthma Immunol 91-425.doc.pdf	14692424	White, J.F.	2003
903_ Annals Allergy 29-318.pdf.pdf	5560837	Targow, A.M.	1971

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 904 - Pollens - Trees, Mulberry, Russian Morus tatarica

Recommended Common Name Mulberry, White

Recommended Scientific Name Morus alba

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed and ISI: Morus or Mulberry + pollen

Google: mulberry allergy; mulberry allergy adverse; mulberry allergen; mulberry allergen adverse; same search results performed for Morus tatarica and Morus alba

Nomenclature

According to ITIS, the current name of Morus tatarica is Morus alba (TSN 19066). Common names are mulberry and white mulberry. Synonyms are Morus alba var. tatarica and Morus tatarica. Broussonetia genus is in the Moraceae family.

Parent Product

905 - Pollens - Trees, Mulberry, White Morus alba

Related Products

904 - Pollens - Trees, Mulberry, Russian Morus tatarica

Published Data

PMID 15355483: A case report of pollinosis to B. papyrifera. Patient was intensely positive by skin prick test (SPT) to B. papyrifera but had negative SPT to common aeroallergens.

PMID 12775123: Provides a review of the mulberry tree and allergenicity data.

PMID 14692424: A review article discussing key pollen allergens in North America. No conclusive conclusion associated with cross-reactivity within the Moraceae family was presented.

PMID 5560837: Two case reports for mulberry allergy. In both cases the patients had a positive scratch test to pollen extracts of Morus alba and B. papyrifera Patients were given immunotherapy with M. alba and allergenic symptoms improved

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
903_ Allergy 59-1136.pdf.pdf	15355483	Zanforlin, M.	2004
903_ Ann Allergy Asthma Immunol 90-A6.pdf	12775123	Weber, R.W.	2003
903_ Ann Allergy Asthma Immunol 91-425.doc.pdf	14692424	White, J.F.	2003
903_ Annals Allergy 29-318.pdf.pdf	5560837	Targow, A.M.	1971

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 905 - Pollens - Trees, Mulberry, White Morus alba

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed and ISI: Morus or Mulberry + pollen
Google: mulberry allergy; mulberry allergy adverse; mulberry allergen; mulberry allergen adverse; same search results performed for Morus alba

Nomenclature

According to ITIS, the scientific name is Morus alba (TSN 19066). Common names are mulberry and white mulberry. Synonyms are Morus alba var. tatarica and Morus tatarica. Broussonetia genus is in the Moraceae family.

Parent Product

905 - Pollens - Trees, Mulberry, White Morus alba

Related Products

904 - Pollens - Trees, Mulberry, Russian Morus tatarica

Published Data

PMID 15355483: A case report of pollinosis to B. papyrifera. Patient was intensely positive by skin prick test (SPT) to B. papyrifera but had negative SPT to common aeroallergens.

PMID 12775123: Provides a review of the mulberry tree and allergenicity data.

PMID 14692424: A review article discussing key pollen allergens in North America. No conclusive conclusion associated with cross-reactivity within the Moraceae family was presented.

PMID 5560837: Two case reports for mulberry allergy. In both cases the patients had a positive scratch test to pollen extracts of Morus alba and B. papyrifera Patients were given immunotherapy with M. alba and allergenic symptoms improved.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
903_ Allergy 59-1136.pdf.pdf	15355483	Zanforlin, M.	2004
903_ Ann Allergy Asthma Immunol 90-A6.pdf	12775123	Weber, R.W.	2003
903_ Ann Allergy Asthma Immunol 91-425.doc.pdf	14692424	White, J.F.	2003
903_ Annals Allergy 29-318.pdf.pdf	5560837	Targow, A.M.	1971

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 906 - Pollens - Trees, Oak, Arizona (Gambel) Quercus gambelii

Recommended Common Name Oak, Gambel

Manufacturers of this Product

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Quercus and allergy

Google: oak pollen allergy; oak pollen allergy adverse; oak pollen allergen; oak pollen allergen adverse; same search results performed for Quercus gambelii

Nomenclature

According to ITIS, the scientific name is Quercus gambelii (TSN 19337). Common names are Gambel oak and Gambel's oak. "Arizona" is not part of the common name. The scientific name is correct and current. The common name needs to be updated. There are two varieties of Q. gambelii: bonina and gambelii. Quercus genus is in the Fagaceae family.

Parent Product

926 - Pollens - Trees, Oak, Gambel Quercus gambelii

Related Products

906 - Pollens - Trees, Oak, Arizona (Gambel) Quercus gambelii

Published Data

PMID 2754148: This paper describes in vitro methods for identifying potential allergens to Q. alba.

PMID 11289338: Provides a review of Oaks, genus Quercus and reports that there is a strong homology between Aln g 1 (alder), Bet v 1 (Birch), Car b 1 (hornbeam), and Que a 1 (oak).

PMID 1545087: Allergic and non-allergic patients were tested with different extract. Thirteen subjects were skin prick tested with Q. alba extract. One of these subjects was positive.

PMID 12897724: This review notes the trees within the Fagales family have strong cross-allergenicity between Betulaceae based on homonloy of group 1 and 2 allergens.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
906_ Ann Allergy Asthma Immunol 86-A6.pdf	11289338	Weber, R.W.	2001
906_ J Allergy Clin Immunol 089-658.pdf	1545087	Lavins, B.J.	1992
906_ J Allergy Clin Immunol 084-009.pdf	2754148	Loria, R.C.	1989
1156_ J Allergy Clin Immunol August 2003 229-239.pdf	12897724	Weber, RW	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 907 - Pollens - Trees, Oak, Arizona Scrub Quercus chrysolepsis

Recommended Common Name Oak, Canyon Live

Recommended Scientific Name Quercus chrysolepis

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Quercus + allergy

Google: oak pollen allergy; oak pollen allergy adverse; oak pollen allergen; oak pollen allergen adverse; same search results performed for Quercus chrysolepsis

Nomenclature

According to ITIS, the scientific name is Quercus chrysolepis (TSN 19312). The genus and species are correct. The common name is listed as 'canyon live oak'. There are two varieties of this tree, Q. chrysolepis var. chrysolepis and nana. Quercus genus is in the Fagaceae family.

Parent Product

907 - Pollens - Trees, Oak, Arizona Scrub Quercus chrysolepsis

Published Data

PMID 2754148: This paper describes in vitro methods for identifying potential allergens to Q. alba.

PMID 2754148: Provides a review of oaks, genus Quercus, and reports that there is a strong homology between Aln g 1 (alder), Bet v 1 (Birch), Car b 1 (hornbeam), and Que a 1 (oak).

PMID 11289338: This review notes the trees within the Fagales family have strong cross-allergenicity between Betulaceae based on homonloy of group 1 and 2 allergens.

PMID 1287724: Several papers reported that pollens from the order Fagales contain cross-reactive allergens such as oak, alder, hazel, and hornbeam pollen.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
906_ Ann Allergy Asthma Immunol 86-A6.pdf	11289338	Weber, R.W.	2001
906_ J Allergy Clin Immunol 084-009.pdf	2754148	Loria, R.C.	1989
1156_ J Allergy Clin Immunol August 2003 229-239.pdf	12897724	Weber, RW	2003
709_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
709_ Mol Immunol 28-897.pdf	1715032	Rohac, M.	1994

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 908 - Pollens - Trees, Oak, Arizona White Quercus arizonica

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Quercus and allergy
Google: oak pollen allergy; oak pollen allergy adverse; oak pollen allergen; oak pollen allergen adverse; same search results performed for Quercus arizonica

Nomenclature

According to ITIS, the scientific name is Quercus arizonica (TSN 19292). Common name is Arizona white oak. The genus, species, and common names are correct. Quercus genus is in the Fagaceae family.

Parent Product

908 - Pollens - Trees, Oak, Arizona White Quercus arizonica

Published Data

PMID 2754148: This paper describes in vitro methods for identifying potential allergens to Q. alba.
PMID 2754148: Provides a review of oaks, genus Quercus, and reports that there is a strong homology between Aln g 1 (alder), Bet v 1 (Birch), Car b 1 (hornbeam), and Que a 1 (oak).
PMID 12897724: This review notes the trees within the Fagales family have strong cross-allergenicity between Betulaceae based on homonloy of group 1 and 2 allergens.
PMIDs 3296843 and 1715032: Several papers reported that pollens from the order Fagales contain cross-reactive allergens such as oak, alder, hazel, and hornbeam pollen

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
906_ Ann Allergy Asthma Immunol 86-A6.pdf	11289338	Weber, R.W.	2001
906_ J Allergy Clin Immunol 084-009.pdf	2754148	Loria, R.C.	1989
906_ J Allergy Clin Immunol 089-658.pdf	1545087	Lavins, B.J.	1992
1156_ J Allergy Clin Immunol August 2003 229-239.pdf	12897724	Weber, RW	2003
709_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
709_ Mol Immunol 28-897.pdf	1715032	Rohac, M.	1994

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 909 - Pollens - Trees, Oak, Black Jack Quercus marilandica

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Quercus and allergy

Google: oak pollen allergy; oak pollen allergy adverse; oak pollen allergen; oak pollen allergen adverse; same search results performed for Quercus marilandica

Nomenclature

According to ITIS, the scientific name is Quercus marilandica (TSN 19374). Common name is blackjack oak. The genus, species, and common names are correct. There are two varieties of this tree, Q. marilandica var. ashii and marilandica. Quercus genus is in the Fagaceae family.

Parent Product

909 - Pollens - Trees, Oak, Black Jack Quercus marilandica

Published Data

PMID 2754148: This paper describes in vitro methods for identifying potential allergens to Q. alba.

PMID 2754148: Provides a review of oaks, genus Quercus, and reports that there is a strong homology between Aln g 1 (alder), Bet v 1 (Birch), Car b 1 (hornbeam), and Que a 1 (oak).

PMID 12897724: This review notes the trees within the Fagales family have strong cross-allergenicity between Betulaceae based on homonloy of group 1 and 2 allergens.

PMID 3296843 and 1715032: Several papers reported that pollens from the order Fagales contain cross-reactive allergens such as oak, alder, hazel, and hornbeam pollen.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
906_ Ann Allergy Asthma Immunol 86-A6.pdf	11289338	Weber, R.W.	2001
906_ J Allergy Clin Immunol 084-009.pdf	2754148	Loria, R.C.	1989
906_ J Allergy Clin Immunol 089-658.pdf	1545087	Lavins, B.J.	1992
1156_ J Allergy Clin Immunol August 2003 229-239.pdf	12897724	Weber, RW	2003
709_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
709_ Mol Immunol 28-897.pdf	1715032	Rohac, M.	1994

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 910 - Pollens - Trees, Oak, Black Quercus velutina

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Quercus and allergy

Google: oak pollen allergy; oak pollen allergy adverse; oak pollen allergen; oak pollen allergen adverse; same search results performed for Quercus velutina

Nomenclature

According to ITIS, the scientific name is Quercus velutina (TSN 19447). Common name is black oak. The genus, species, and common names are correct. Quercus velutina var. missouriensis is listed as an unaccepted synonym. Quercus genus is in the Fagaceae family.

Parent Product

910 - Pollens - Trees, Oak, Black Quercus velutina

Published Data

PMID 2754148: This paper describes in vitro methods for identifying potential allergens to Q. alba.

PMID 2754148: Provides a review of oaks, genus Quercus, and reports that there is a strong homology between Aln g 1 (alder), Bet v 1 (Birch), Car b 1 (hornbeam), and Que a 1 (oak).

PMID 12897724: This review notes the trees within the Fagales family have strong cross-allergenicity between Betulaceae based on homonloy of group 1 and 2 allergens.

PMID 3296843 and 1715032: Several papers reported that pollens from the order Fagales contain cross-reactive allergens such as oak, alder, hazel, and hornbeam pollen.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
906_ Ann Allergy Asthma Immunol 86-A6.pdf	11289338	Weber, R.W.	2001
906_ J Allergy Clin Immunol 084-009.pdf	2754148	Loria, R.C.	1989
906_ J Allergy Clin Immunol 089-658.pdf	1545087	Lavins, B.J.	1992
1156_ J Allergy Clin Immunol August 2003 229-239.pdf	12897724	Weber, RW	2003
709_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
709_ Mol Immunol 28-897.pdf	1715032	Rohac, M.	1994

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 911 - Pollens - Trees, Oak, Blue Quercus douglasii

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Quercus and allergy

Google: oak pollen allergy; oak pollen allergy adverse; oak pollen allergen; oak pollen allergen adverse; same search results performed for Quercus douglasii

Nomenclature

According to ITIS, the scientific name is Quercus douglasii (TSN 19322). Common name is blue oak. The genus, species, and common names are correct. Quercus genus is in the Fagaceae family.

Parent Product

911 - Pollens - Trees, Oak, Blue Quercus douglasii

Published Data

PMID 2754148: This paper describes in vitro methods for identifying potential allergens to Q. alba.

PMID 2754148: Provides a review of oaks, genus Quercus, and reports that there is a strong homology between Aln g 1 (alder), Bet v 1 (Birch), Car b 1 (hornbeam), and Que a 1 (oak).

PMID 12897724: This review notes the trees within the Fagales family have strong cross-allergenicity between Betulaceae based on homonloy of group 1 and 2 allergens.

PMID 3296843 and 1715032: Several papers reported that pollens from the order Fagales contain cross-reactive allergens such as oak, alder, hazel, and hornbeam pollen

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
906_ Ann Allergy Asthma Immunol 86-A6.pdf	11289338	Weber, R.W.	2001
906_ J Allergy Clin Immunol 084-009.pdf	2754148	Loria, R.C.	1989
906_ J Allergy Clin Immunol 089-658.pdf	1545087	Lavins, B.J.	1992
1156_ J Allergy Clin Immunol August 2003 229-239.pdf	12897724	Weber, RW	2003
709_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
709_ Mol Immunol 28-897.pdf	1715032	Rohac, M.	1994

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 912 - Pollens - Trees, Oak, Bur Quercus macrocarpa

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Quercus and allergy
Google: oak pollen allergy; oak pollen allergy adverse; oak pollen allergen; oak pollen allergen adverse; same search results performed for Quercus macrocarpa

Nomenclature

According to ITIS, the scientific name is Quercus macrocarpa (TSN 19287). Common name is bur oak. The genus, species, and common names are correct. There are two varieties of Q. macrocarpa var. depressa and macrocarpa. Quercus genus is in the Fagaceae family.

Parent Product

912 - Pollens - Trees, Oak, Bur Quercus macrocarpa

Published Data

PMID 2754148: This paper describes in vitro methods for identifying potential allergens to Q. alba.
PMID 2754148: Provides a review of oaks, genus Quercus, and reports that there is a strong homology between Aln g 1 (alder), Bet v 1 (Birch), Car b 1 (hornbeam), and Que a 1 (oak).
PMID 12897724: This review notes the trees within the Fagales family have strong cross-allergenicity between Betulaceae based on homonloy of group 1 and 2 allergens.
PMIDs 3296843 and 1715032: Several papers reported that pollens from the order Fagales contain cross-reactive allergens such as oak, alder, hazel, and hornbeam pollen.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
906_ Ann Allergy Asthma Immunol 86-A6.pdf	11289338	Weber, R.W.	2001
906_ J Allergy Clin Immunol 084-009.pdf	2754148	Loria, R.C.	1989
906_ J Allergy Clin Immunol 089-658.pdf	1545087	Lavins, B.J.	1992
1156_ J Allergy Clin Immunol August 2003 229-239.pdf	12897724	Weber, RW	2003
709_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
709_ Mol Immunol 28-897.pdf	1715032	Rohac, M.	1994

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 913 - Pollens - Trees, Oak, California Black Quercus kelloggii-californica

Recommended Scientific Name Quercus kelloggii

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)

Search Strategy

PubMed: Quercus and allergy

Google: oak pollen allergy; oak pollen allergy adverse; oak pollen allergen; oak pollen allergen adverse; same search results performed for Quercus kelloggii

Nomenclature

According to ITIS, the scientific name is Quercus kelloggii (TSN 19366). Common name is California black oak. Synonym is Quercus californica. Quercus genus is in the Fagaceae family.

Parent Product

913 - Pollens - Trees, Oak, California Black Quercus kelloggii-californica

Published Data

PMID 2754148: This paper describes in vitro methods for identifying potential allergens to Q. alba.

PMID 2754148: Provides a review of oaks, genus Quercus, and reports that there is a strong homology between Aln g 1 (alder), Bet v 1 (Birch), Car b 1 (hornbeam), and Que a 1 (oak).

PMID 12897724: This review notes the trees within the Fagales family have strong cross-allergenicity between Betulaceae based on homonloy of group 1 and 2 allergens.

PMIDs 3296843 and 1715032: Several papers reported that pollens from the order Fagales contain cross-reactive allergens such as oak, alder, hazel, and hornbeam pollen.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
906_ Ann Allergy Asthma Immunol 86-A6.pdf	11289338	Weber, R.W.	2001
906_ J Allergy Clin Immunol 084-009.pdf	2754148	Loria, R.C.	1989
906_ J Allergy Clin Immunol 089-658.pdf	1545087	Lavins, B.J.	1992
1156_ J Allergy Clin Immunol August 2003 229-239.pdf	12897724	Weber, RW	2003
709_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
709_ Mol Immunol 28-897.pdf	1715032	Rohac, M.	1994

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 914 - Pollens - Trees, Oak, California Live Quercus agrifolia

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Quercus and allergy

Google: oak pollen allergy; oak pollen allergy adverse; oak pollen allergen; oak pollen allergen adverse; same search results performed for Quercus agrifolia

Nomenclature

According to ITIS, the scientific name is Quercus agrifolia (TSN 19289). Common names are California live oak and coast live oak. The genus, species, and common names are correct. Two varieties of Q. agrifolia var. agrifolia and oxyadenia are listed. Quercus genus is in the Fagaceae family.

Parent Product

914 - Pollens - Trees, Oak, California Live Quercus agrifolia

Related Products

919 - Pollens - Trees, Oak, Chestnut Quercus prinus

920 - Pollens - Trees, Oak, Coast Live Quercus agrifolia

Published Data

PMID 2754148: This paper describes in vitro methods for identifying potential allergens to Q. alba.

PMID 2754148: Provides a review of oaks, genus Quercus, and reports that there is a strong homology between Aln g 1 (alder), Bet v 1 (Birch), Car b 1 (hornbeam), and Que a 1 (oak).

PMID 12897724: This review notes the trees within the Fagales family have strong cross-allergenicity between Betulaceae based on homonloy of group 1 and 2 allergens.

PMIDs 3296843 and 1715032: Several papers reported that pollens from the order Fagales contain cross-reactive allergens such as oak, alder, hazel, and hornbeam pollen.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
906_ Ann Allergy Asthma Immunol 86-A6.pdf	11289338	Weber, R.W.	2001
906_ J Allergy Clin Immunol 084-009.pdf	2754148	Loria, R.C.	1989
906_ J Allergy Clin Immunol 089-658.pdf	1545087	Lavins, B.J.	1992
1156_ J Allergy Clin Immunol August 2003 229-239.pdf	12897724	Weber, RW	2003
709_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
709_ Mol Immunol 28-897.pdf	1715032	Rohac, M.	1994

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 915 - Pollens - Trees, Oak, California Scrub Quercus dumosa

Recommended Common Name Oak, Coastal Sage Scrub

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)

Search Strategy

PubMed: Quercus and allergy

Google: oak pollen allergy; oak pollen allergy adverse; oak pollen allergen; oak pollen allergen adverse; same search results performed for Quercus dumosa

Nomenclature

According to ITIS, the scientific name is Quercus dumosa (TSN 19323). The genus and species are correct. The common name is listed as 'coastal sage scrub oak'. Two varieties of Q. dumosa var. dumosa and elegantula are listed. Quercus genus is in the Fagaceae family.

Parent Product

915 - Pollens - Trees, Oak, California Scrub Quercus dumosa

Published Data

PMID 2754148: This paper describes in vitro methods for identifying potential allergens to Q. alba.

PMID 2754148: Provides a review of oaks, genus Quercus, and reports that there is a strong homology between Aln g 1 (alder), Bet v 1 (Birch), Car b 1 (hornbeam), and Que a 1 (oak).

PMID 12897724: This review notes the trees within the Fagales family have strong cross-allergenicity between Betulaceae based on homonloy of group 1 and 2 allergens.

PMIDs 3296843 and 1715032: Several papers reported that pollens from the order Fagales contain cross-reactive allergens such as oak, alder, hazel, and hornbeam pollen.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
906_ J Allergy Clin Immunol 084-009.pdf	2754148	Loria, R.C.	1989
906_ J Allergy Clin Immunol 089-658.pdf	1545087	Lavins, B.J.	1992
1156_ J Allergy Clin Immunol August 2003 229-239.pdf	12897724	Weber, RW	2003
709_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
709_ Mol Immunol 28-897.pdf	1715032	Rohac, M.	1994

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 916 - Pollens - Trees, Oak, California White Quercus lobata

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Search Strategy

PubMed: Quercus and allergy

Google: oak pollen allergy; oak pollen allergy adverse; oak pollen allergen; oak pollen allergen adverse; same search results performed for Quercus lobata

Nomenclature

According to ITIS, the scientific name is Quercus lobata (TSN 19370). Common names are California white oak and valley oak. The genus, species, and common names are correct. Synonyms are Quercus hindsii, Q. lobata var. argillara, Q. lobata var. insperata, Q. lobata var. turbinata, and Q. lobata var. walteri. Quercus genus is in the Fagaceae family.

Parent Product

916 - Pollens - Trees, Oak, California White Quercus lobata

Published Data

PMID 2754148: This paper describes in vitro methods for identifying potential allergens to Q. alba.

PMID 2754148: Provides a review of oaks, genus Quercus, and reports that there is a strong homology between Aln g 1 (alder), Bet v 1 (Birch), Car b 1 (hornbeam), and Que a 1 (oak).

PMID 12897724: This review notes the trees within the Fagales family have strong cross-allergenicity between Betulaceae based on homonloy of group 1 and 2 allergens.

PMIDs 3296843 and 1715032: Several papers reported that pollens from the order Fagales contain cross-reactive allergens such as oak, alder, hazel, and hornbeam pollen.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
906_ Ann Allergy Asthma Immunol 86-A6.pdf	11289338	Weber, R.W.	2001
906_ J Allergy Clin Immunol 084-009.pdf	2754148	Loria, R.C.	1989
906_ J Allergy Clin Immunol 089-658.pdf	1545087	Lavins, B.J.	1992
1156_ J Allergy Clin Immunol August 2003 229-239.pdf	12897724	Weber, RW	2003
709_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
709_ Mol Immunol 28-897.pdf	1715032	Rohac, M.	1994

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 917 - Pollens - Trees, Oak, Canyon Live Quercus chrysolepsis

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: Quercus + allergy

Google: oak pollen allergy; oak pollen allergy adverse; oak pollen allergen; oak pollen allergen adverse; same search results performed for Quercus chrysolepsis

Nomenclature

According to ITIS, the current name of Quercus chrysolepsis is Quercus chrysolepis (TSN 19312). Common name is canyon live oak. The genus, species, and common names are correct. Two varieties, Q. chrysolepis var. chrysolepis and nana, are listed. Quercus genus is in the Fagaceae family.

Parent Product

917 - Pollens - Trees, Oak, Canyon Live Quercus chrysolepsis

Published Data

PMID 2754148: This paper describes in vitro methods for identifying potential allergens to Q. alba.

PMID 2754148: Provides a review of oaks, genus Quercus, and reports that there is a strong homology between Aln g 1 (alder), Bet v 1 (Birch), Car b 1 (hornbeam), and Que a 1 (oak).

PMID 12897724: This review notes the trees within the Fagales family have strong cross-allergenicity between Betulaceae based on homonloy of group 1 and 2 allergens.

PMIDs 3296843 and 1715032: Several papers reported that pollens from the order Fagales contain cross-reactive allergens such as oak, alder, hazel, and hornbeam pollen.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
906_ Ann Allergy Asthma Immunol 86-A6.pdf	11289338	Weber, R.W.	2001
906_ J Allergy Clin Immunol 084-009.pdf	2754148	Loria, R.C.	1989
906_ J Allergy Clin Immunol 089-658.pdf	1545087	Lavins, B.J.	1992
1156_ J Allergy Clin Immunol August 2003 229-239.pdf	12897724	Weber, RW	2003
709_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
709_ Mol Immunol 28-897.pdf	1715032	Rohac, M.	1994

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 918 - Pollens - Trees, Oak, Chestnut Chinkapin Quercus muehlenbergii

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: Quercus and allergy

Google: oak pollen allergy; oak pollen allergy adverse; oak pollen allergen; oak pollen allergen adverse; same search results performed for Quercus muehlenbergii

Nomenclature

According to ITIS, the scientific name is Quercus meuhlenbergii (TSN 504714). The genus and species are correct. The common name is 'chinkapin oak'. Synonyms are Q. acuminata, Q. alexanderi, Q. prinoides, and Q. prinoides var. acuminata. Quercus genus is in the Fagaceae family.

Parent Product

918 - Pollens - Trees, Oak, Chestnut Chinkapin Quercus muehlenbergii

Published Data

PMID 2754148: This paper describes in vitro methods for identifying potential allergens to Q. alba.

PMID 2754148: Provides a review of oaks, genus Quercus, and reports that there is a strong homology between Aln g 1 (alder), Bet v 1 (Birch), Car b 1 (hornbeam), and Que a 1 (oak).

PMID 12897724: This review notes the trees within the Fagales family have strong cross-allergenicity between Betulaceae based on homonloy of group 1 and 2 allergens.

PMIDs 3296843 and 1715032: Several papers reported that pollens from the order Fagales contain cross-reactive allergens such as oak, alder, hazel, and hornbeam pollen.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
906_ Ann Allergy Asthma Immunol 86-A6.pdf	11289338	Weber, R.W.	2001
906_ J Allergy Clin Immunol 084-009.pdf	2754148	Loria, R.C.	1989
906_ J Allergy Clin Immunol 089-658.pdf	1545087	Lavins, B.J.	1992
1156_ J Allergy Clin Immunol August 2003 229-239.pdf	12897724	Weber, RW	2003
709_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
709_ Mol Immunol 28-897.pdf	1715032	Rohac, M.	1994

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 919 - Pollens - Trees, Oak, Chestnut Quercus prinus

Recommended Common Name Oak, Swamp Chestnut

Recommended Scientific Name Quercus michauxii

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Quercus and allergy

Google: oak pollen allergy; oak pollen allergy adverse; oak pollen allergen; oak pollen allergen adverse; same search results performed for Quercus prinus

Nomenclature

According to ITIS, current name of Quercus prinus is Quercus michauxii. Yhr vommon name is swamp chestnut oak. Synonym is Quercus Montana. Quercus genus is in the Fagaceae family.

Parent Product

914 - Pollens - Trees, Oak, California Live Quercus agrifolia

Related Products

919 - Pollens - Trees, Oak, Chestnut Quercus prinus

920 - Pollens - Trees, Oak, Coast Live Quercus agrifolia

Published Data

PMID 2754148: This paper describes in vitro methods for identifying potential allergens to Q. alba.

PMID 2754148: Provides a review of oaks, genus Quercus, and reports that there is a strong homology between Aln g 1 (alder), Bet v 1 (Birch), Car b 1 (hornbeam), and Que a 1 (oak).

PMID 12897724: This review notes the trees within the Fagales family have strong cross-allergenicity between Betulaceae based on homonloy of group 1 and 2 allergens.

PMIDs 3296843 and 1715032: Several papers reported that pollens from the order Fagales contain cross-reactive allergens such as oak, alder, hazel, and hornbeam pollen.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
906_ Ann Allergy Asthma Immunol 86-A6.pdf	11289338	Weber, R.W.	2001
906_ J Allergy Clin Immunol 084-009.pdf	2754148	Loria, R.C.	1989
906_ J Allergy Clin Immunol 089-658.pdf	1545087	Lavins, B.J.	1992
1156_ J Allergy Clin Immunol August 2003 229-239.pdf	12897724	Weber, RW	2003
709_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
709_ Mol Immunol 28-897.pdf	1715032	Rohac, M.	1994

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 920 - Pollens - Trees, Oak, Coast Live Quercus agrifolia

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: Quercus and allergy

Google: oak pollen allergy; oak pollen allergy adverse; oak pollen allergen; oak pollen allergen adverse; same search results performed for Quercus agrifolia

Nomenclature

According to ITIS, the scientific name is Quercus agrifolia (TSN 19289). Common names are California live oak and coast live oak. The genus, species, and common names are correct. Two varieties of Q. agrifolia var. agrifolia and oxyadenia are listed. Quercus genus is in the Fagaceae family.

Parent Product

914 - Pollens - Trees, Oak, California Live Quercus agrifolia

Related Products

919 - Pollens - Trees, Oak, Chestnut Quercus prinus

920 - Pollens - Trees, Oak, Coast Live Quercus agrifolia

Published Data

PMID 2754148: This paper describes in vitro methods for identifying potential allergens to Q. alba.

PMID 2754148: Provides a review of oaks, genus Quercus, and reports that there is a strong homology between Aln g 1 (alder), Bet v 1 (Birch), Car b 1 (hornbeam), and Que a 1 (oak).

PMID 12897724: This review notes the trees within the Fagales family have strong cross-allergenicity between Betulaceae based on homonloy of group 1 and 2 allergens.

PMIDs 3296843 and 1715032: Several papers reported that pollens from the order Fagales contain cross-reactive allergens such as oak, alder, hazel, and hornbeam pollen.

This review of scientific and lay data did not identify safety issues specific to Quercus velutina.

No further assessment of the evidence of the efficacy of Quercus velutina for the diagnosis and treatment of allergic disease is recommended.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
906_ Ann Allergy Asthma Immunol 86-A6.pdf	11289338	Weber, R.W.	2001
906_ J Allergy Clin Immunol 084-009.pdf	2754148	Loria, R.C.	1989
906_ J Allergy Clin Immunol 089-658.pdf	1545087	Lavins, B.J.	1992
1156_ J Allergy Clin Immunol August 2003 229-239.pdf	12897724	Weber, RW	2003
709_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
709_ Mol Immunol 28-897.pdf	1715032	Rohac, M.	1994

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 921 - Pollens - Trees, Oak, Cork Quercus suber

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Quercus and allergy

Google: oak pollen allergy; oak pollen allergy adverse; oak pollen allergen; oak pollen allergen adverse; same search results performed for Quercus suber

Nomenclature

According to ITIS, the scientific name is Quercus suber (TSN 19430). Common name is cork oak. The genus, species, and common names are correct. Quercus genus is in the Fagaceae family.

Parent Product

921 - Pollens - Trees, Oak, Cork Quercus suber

Published Data

PMID 2754148: This paper describes in vitro methods for identifying potential allergens to Q. alba.

PMID 2754148: Provides a review of oaks, genus Quercus, and reports that there is a strong homology between Aln g 1 (alder), Bet v 1 (Birch), Car b 1 (hornbeam), and Que a 1 (oak).

PMID 12897724: This review notes the trees within the Fagales family have strong cross-allergenicity between Betulaceae based on homonloy of group 1 and 2 allergens.

PMIDs 3296843 and 1715032: Several papers reported that pollens from the order Fagales contain cross-reactive allergens such as oak, alder, hazel, and hornbeam pollen.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
906_ Ann Allergy Asthma Immunol 86-A6.pdf	11289338	Weber, R.W.	2001
906_ J Allergy Clin Immunol 084-009.pdf	2754148	Loria, R.C.	1989
906_ J Allergy Clin Immunol 089-658.pdf	1545087	Lavins, B.J.	1992
1156_ J Allergy Clin Immunol August 2003 229-239.pdf	12897724	Weber, RW	2003
709_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
709_ Mol Immunol 28-897.pdf	1715032	Rohac, M.	1994

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 922 - Pollens - Trees, Oak, Dwarf Chinkapin Quercus prinoides

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: Quercus and allergy

Google: oak pollen allergy; oak pollen allergy adverse; oak pollen allergen; oak pollen allergen adverse; same search results performed for Quercus prinoides

Nomenclature

According to ITIS, there are two listings for Quercus prinoides (TSN 19397 and 565802). For TSN 19397 the common name is dwarf chinkapin oak and dwarf chinquapin oak. Synonym is Quercus prinoides var. rufescens. The current name of TSN 565802 is Quercus muehlenbergii (TSN 504714 and Product 918). The common name is Dwarf chinquapin oak. Synonyms are Quercus prinoides var. rufescens. Quercus genus is in the Fagaceae family.

Parent Product

922 - Pollens - Trees, Oak, Dwarf Chinkapin Quercus prinoides

Published Data

PMID 2754148: This paper describes in vitro methods for identifying potential allergens to Q. alba.

PMID 2754148: Provides a review of oaks, genus Quercus, and reports that there is a strong homology between Aln g 1 (alder), Bet v 1 (Birch), Car b 1 (hornbeam), and Que a 1 (oak).

PMID 12897724: This review notes the trees within the Fagales family have strong cross-allergenicity between Betulaceae based on homonloy of group 1 and 2 allergens.

PMIDs 3296843 and 1715032: Several papers reported that pollens from the order Fagales contain cross-reactive allergens such as oak, alder, hazel, and hornbeam pollen.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
906_ Ann Allergy Asthma Immunol 86-A6.pdf	11289338	Weber, R.W.	2001
906_ J Allergy Clin Immunol 084-009.pdf	2754148	Loria, R.C.	1989
906_ J Allergy Clin Immunol 089-658.pdf	1545087	Lavins, B.J.	1992
1156_ J Allergy Clin Immunol August 2003 229-239.pdf	12897724	Weber, RW	2003
709_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
709_ Mol Immunol 28-897.pdf	1715032	Rohac, M.	1994

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 923 - Pollens - Trees, Oak, Emory Quercus emoryi

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Quercus and allergy

Google: oak pollen allergy; oak pollen allergy adverse; oak pollen allergen; oak pollen allergen adverse; same search results performed for Quercus emoryi

Nomenclature

According to ITIS, the scientific name is Quercus emoryi (TSN 19328). Common names are Emory oak and Emory's oak. The genus, species, and common names are correct. Quercus genus is in the Fagaceae family.

Parent Product

923 - Pollens - Trees, Oak, Emory Quercus emoryi

Published Data

PMID 2754148: This paper describes in vitro methods for identifying potential allergens to Q. alba.

PMID 2754148: Provides a review of oaks, genus Quercus, and reports that there is a strong homology between Aln g 1 (alder), Bet v 1 (Birch), Car b 1 (hornbeam), and Que a 1 (oak).

PMID 12897724: This review notes the trees within the Fagales family have strong cross-allergenicity between Betulaceae based on homonloy of group 1 and 2 allergens.

PMIDs 3296843 and 1715032: Several papers reported that pollens from the order Fagales contain cross-reactive allergens such as oak, alder, hazel, and hornbeam pollen.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
906_ Ann Allergy Asthma Immunol 86-A6.pdf	11289338	Weber, R.W.	2001
906_ J Allergy Clin Immunol 084-009.pdf	2754148	Loria, R.C.	1989
906_ J Allergy Clin Immunol 089-658.pdf	1545087	Lavins, B.J.	1992
1156_ J Allergy Clin Immunol August 2003 229-239.pdf	12897724	Weber, RW	2003
709_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
709_ Mol Immunol 28-897.pdf	1715032	Rohac, M.	1994

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 924 - Pollens - Trees, Oak, Englemann Quercus engelmannii

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Quercus and allergy
Google: oak pollen allergy; oak pollen allergy adverse; oak pollen allergen; oak pollen allergen adverse; same search results performed for Quercus engelmannii and Q. engelmannii

Nomenclature

According to ITIS, the correct spelling of Quercus engelmannii is Quercus engelmannii (TSN 19329). Common name is Englemann oak. Quercus genus is in the Fagaceae family.

Parent Product

924 - Pollens - Trees, Oak, Englemann Quercus engelmannii

Published Data

PMID 2754148: This paper describes in vitro methods for identifying potential allergens to Q. alba.
PMID 2754148: Provides a review of oaks, genus Quercus, and reports that there is a strong homology between Aln g 1 (alder), Bet v 1 (Birch), Car b 1 (hornbeam), and Que a 1 (oak).
PMID 12897724: This review notes the trees within the Fagales family have strong cross-allergenicity between Betulaceae based on homonloy of group 1 and 2 allergens.
PMIDs 3296843 and 1715032: Several papers reported that pollens from the order Fagales contain cross-reactive allergens such as oak, alder, hazel, and hornbeam pollen.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
906_ Ann Allergy Asthma Immunol 86-A6.pdf	11289338	Weber, R.W.	2001
906_ J Allergy Clin Immunol 084-009.pdf	2754148	Loria, R.C.	1989
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1156_ J Allergy Clin Immunol August 2003 229-239.pdf	12897724	Weber, RW	2003
709_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
709_ Mol Immunol 28-897.pdf	1715032	Rohac, M.	1994

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 925 - Pollens - Trees, Oak, English Quercus robur

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Quercus and allergy

Google: oak pollen allergy; oak pollen allergy adverse; oak pollen allergen; oak pollen allergen adverse; same search results performed for Quercus robur

Nomenclature

According to ITIS, the scientific name is Quercus robur (TSN 19405). Common name is English oak. The genus, species, and common names are correct. Quercus genus is in the Fagaceae family.

Parent Product

925 - Pollens - Trees, Oak, English Quercus robur

Published Data

PMID 2754148: This paper describes in vitro methods for identifying potential allergens to Q. alba.

PMID 2754148: Provides a review of oaks, genus Quercus, and reports that there is a strong homology between Aln g 1 (alder), Bet v 1 (Birch), Car b 1 (hornbeam), and Que a 1 (oak).

PMID 12897724: This review notes the trees within the Fagales family have strong cross-allergenicity between Betulaceae based on homonloy of group 1 and 2 allergens.

PMIDs 3296843 and 1715032: Several papers reported that pollens from the order Fagales contain cross-reactive allergens such as oak, alder, hazel, and hornbeam pollen.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
906_ Ann Allergy Asthma Immunol 86-A6.pdf	11289338	Weber, R.W.	2001
906_ J Allergy Clin Immunol 084-009.pdf	2754148	Loria, R.C.	1989
906_ J Allergy Clin Immunol 089-658.pdf	1545087	Lavins, B.J.	1992
1156_ J Allergy Clin Immunol August 2003 229-239.pdf	12897724	Weber, RW	2003
709_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
709_ Mol Immunol 28-897.pdf	1715032	Rohac, M.	1994

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 926 - Pollens - Trees, Oak, Gambel Quercus gambelii

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)

Search Strategy

PubMed: Quercus and allergy

Google: oak pollen allergy; oak pollen allergy adverse; oak pollen allergen; oak pollen allergen adverse; same search results performed for Quercus gambelii

Nomenclature

According to ITIS, the scientific name is Quercus gambelii (TSN 19337). Common names are Gambel oak and Gambel's oak. The genus, species, and common names are correct. There are two varieties of Q. gambelii: bonina and gambelii. Quercus genus is in the Fagaceae family.

Parent Product

926 - Pollens - Trees, Oak, Gambel Quercus gambelii

Related Products

906 - Pollens - Trees, Oak, Arizona (Gambel) Quercus gambelii

Published Data

PMID 2754148: This paper describes in vitro methods for identifying potential allergens to Q. alba.

PMID 2754148: Provides a review of oaks, genus Quercus, and reports that there is a strong homology between Aln g 1 (alder), Bet v 1 (Birch), Car b 1 (hornbeam), and Que a 1 (oak).

PMID 12897724: This review notes the trees within the Fagales family have strong cross-allergenicity between Betulaceae based on homonloy of group 1 and 2 allergens.

PMIDs 3296843 and 1715032: Several papers reported that pollens from the order Fagales contain cross-reactive allergens such as oak, alder, hazel, and hornbeam pollen.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
906_ Ann Allergy Asthma Immunol 86-A6.pdf	11289338	Weber, R.W.	2001
906_ J Allergy Clin Immunol 084-009.pdf	2754148	Loria, R.C.	1989
906_ J Allergy Clin Immunol 089-658.pdf	1545087	Lavins, B.J.	1992
1156_ J Allergy Clin Immunol August 2003 229-239.pdf	12897724	Weber, RW	2003
709_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
709_ Mol Immunol 28-897.pdf	1715032	Rohac, M.	1994

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 927 - Pollens - Trees, Oak, Garry Quercus garryana

Recommended Common Name Oak, Oregon White

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Quercus and allergy

Google: oak pollen allergy; oak pollen allergy adverse; oak pollen allergen; oak pollen allergen adverse; same search results performed for Quercus garryana

Nomenclature

According to ITIS, the scientific name is Quercus garryana (TSN 19340). The genus and species are correct. Common name is Oregon white oak. There are three varieties of Q. garryana: breweri, garryana, and semota. Quercus genus is in the Fagaceae family.

Parent Product

945 - Pollens - Trees, Oak, Western White Quercus garryana

Related Products

927 - Pollens - Trees, Oak, Garry Quercus garryana

Published Data

PMID 2754148: This paper describes in vitro methods for identifying potential allergens to Q. alba.

PMID 2754148: Provides a review of oaks, genus Quercus, and reports that there is a strong homology between Aln g 1 (alder), Bet v 1 (Birch), Car b 1 (hornbeam), and Que a 1 (oak).

PMID 12897724: This review notes the trees within the Fagales family have strong cross-allergenicity between Betulaceae based on homonloy of group 1 and 2 allergens.

PMIDs 3296843 and 1715032: Several papers reported that pollens from the order Fagales contain cross-reactive allergens such as oak, alder, hazel, and hornbeam pollen.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
906_ Ann Allergy Asthma Immunol 86-A6.pdf	11289338	Weber, R.W.	2001
906_ J Allergy Clin Immunol 084-009.pdf	2754148	Loria, R.C.	1989
906_ J Allergy Clin Immunol 089-658.pdf	1545087	Lavins, B.J.	1992
1156_ J Allergy Clin Immunol August 2003 229-239.pdf	12897724	Weber, RW	2003
709_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
709_ Mol Immunol 28-897.pdf	1715032	Rohac, M.	1994

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 928 - Pollens - Trees, Oak, Holly Quercus ilex

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Quercus and allergy

Google: oak pollen allergy; oak pollen allergy adverse; oak pollen allergen; oak pollen allergen adverse; same search results performed for Quercus ilex

Nomenclature

According to ITIS, the scientific name is Quercus ilex (TSN 506536). Common name is holly oak. The genus, species, and common names are correct. Quercus genus is in the Fagaceae family.

Parent Product

928 - Pollens - Trees, Oak, Holly Quercus ilex

Published Data

PMID 2754148: This paper describes in vitro methods for identifying potential allergens to Q. alba.

PMID 2754148: Provides a review of oaks, genus Quercus, and reports that there is a strong homology between Aln g 1 (alder), Bet v 1 (Birch), Car b 1 (hornbeam), and Que a 1 (oak).

PMID 12897724: This review notes the trees within the Fagales family have strong cross-allergenicity between Betulaceae based on homonloy of group 1 and 2 allergens.

PMIDs 3296843 and 1715032: Several papers reported that pollens from the order Fagales contain cross-reactive allergens such as oak, alder, hazel, and hornbeam pollen.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
906_ Ann Allergy Asthma Immunol 86-A6.pdf	11289338	Weber, R.W.	2001
906_ J Allergy Clin Immunol 084-009.pdf	2754148	Loria, R.C.	1989
906_ J Allergy Clin Immunol 089-658.pdf	1545087	Lavins, B.J.	1992
1156_ J Allergy Clin Immunol August 2003 229-239.pdf	12897724	Weber, RW	2003
709_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
709_ Mol Immunol 28-897.pdf	1715032	Rohac, M.	1994

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 929 - Pollens - Trees, Oak, Interior Live Quercus wislizenii

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Quercus and allergy

Google: oak pollen allergy; oak pollen allergy adverse; oak pollen allergen; oak pollen allergen adverse; same search results performed for Quercus wislizenii

Nomenclature

According to ITIS, the scientific name is Quercus wislizenii. Common name is interior live oak. The genus, species, and common names are correct. Two varieties of Q. wislizenii var. frutescens and wislizenii are listed. Quercus genus is in the Fagaceae family.

Parent Product

929 - Pollens - Trees, Oak, Interior Live Quercus wislizenii

Published Data

PMID 2754148: This paper describes in vitro methods for identifying potential allergens to Q. alba.

PMID 2754148: Provides a review of oaks, genus Quercus, and reports that there is a strong homology between Aln g 1 (alder), Bet v 1 (Birch), Car b 1 (hornbeam), and Que a 1 (oak).

PMID 12897724: This review notes the trees within the Fagales family have strong cross-allergenicity between Betulaceae based on homonloy of group 1 and 2 allergens.

PMIDs 3296843 and 1715032: Several papers reported that pollens from the order Fagales contain cross-reactive allergens such as oak, alder, hazel, and hornbeam pollen.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
906_ Ann Allergy Asthma Immunol 86-A6.pdf	11289338	Weber, R.W.	2001
906_ J Allergy Clin Immunol 084-009.pdf	2754148	Loria, R.C.	1989
906_ J Allergy Clin Immunol 089-658.pdf	1545087	Lavins, B.J.	1992
1156_ J Allergy Clin Immunol August 2003 229-239.pdf	12897724	Weber, RW	2003
709_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
709_ Mol Immunol 28-897.pdf	1715032	Rohac, M.	1994

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 930 - Pollens - Trees, Oak, live, Quercus virginiana

Manufacturers of this Product

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Quercus and allergy

Google: oak pollen allergy; oak pollen allergy adverse; oak pollen allergen; oak pollen allergen adverse; same search results performed for Quercus virginiana

Nomenclature

According to ITIS, the scientific name is Quercus virginiana (TSN 19283). Common name is live oak. The genus, species, and common names are correct. Q. virginiana virginiana is listed as a variety. Quercus genus is in the Fagaceae family.

Parent Product

930 - Pollens - Trees, Oak, live, Quercus virginiana

Related Products

943 - Pollens - Trees, Oak, Virginia Live Quercus virginiana

Published Data

PMID 2754148: This paper describes in vitro methods for identifying potential allergens to Q. alba.

PMID 2754148: Provides a review of oaks, genus Quercus, and reports that there is a strong homology between Aln g 1 (alder), Bet v 1 (Birch), Car b 1 (hornbeam), and Que a 1 (oak).

PMID 12897724: This review notes the trees within the Fagales family have strong cross-allergenicity between Betulaceae based on homonloy of group 1 and 2 allergens.

PMIDs 3296843 and 1715032: Several papers reported that pollens from the order Fagales contain cross-reactive allergens such as oak, alder, hazel, and hornbeam pollen.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
906_ Ann Allergy Asthma Immunol 86-A6.pdf	11289338	Weber, R.W.	2001
906_ J Allergy Clin Immunol 084-009.pdf	2754148	Loria, R.C.	1989
906_ J Allergy Clin Immunol 089-658.pdf	1545087	Lavins, B.J.	1992
1156_ J Allergy Clin Immunol August 2003 229-239.pdf	12897724	Weber, RW	2003
709_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
709_ Mol Immunol 28-897.pdf	1715032	Rohac, M.	1994

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 931 - Pollens - Trees, Oak, Mix Quercus spp.

Recommended Scientific Name Quercus, (species to be specified)

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: Quercus and allergy

Google: oak pollen allergy; oak pollen allergy adverse; oak pollen allergen; oak pollen allergen adverse; same search results performed for Quercus

Nomenclature

This product is a mixture of Quercus species. Quercus genus is in the Fagaceae family.

Parent Product

931 - Pollens - Trees, Oak, Mix Quercus spp.

Published Data

PMID 2754148: This paper describes in vitro methods for identifying potential allergens to Q. alba.

PMID 2754148: Provides a review of oaks, genus Quercus, and reports that there is a strong homology between Aln g 1 (alder), Bet v 1 (Birch), Car b 1 (hornbeam), and Que a 1 (oak).

PMID 12897724: This review notes the trees within the Fagales family have strong cross-allergenicity between Betulaceae based on homonloy of group 1 and 2 allergens.

PMIDs 3296843 and 1715032: Several papers reported that pollens from the order Fagales contain cross-reactive allergens such as oak, alder, hazel, and hornbeam pollen.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1156_J Allergy Clin Immunol August 2003 229-239.pdf	12897724	Weber, RW	2003
709_Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
709_Mol Immunol 28-897.pdf	1715032	Rohac, M.	1994

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
Diagnosis:	Category I	Category I
Therapy:	Category IIIA	Category I

Product: 932 - Pollens - Trees, Oak, Palmer Quercus palmerii

Recommended Scientific Name Quercus dunnii

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Quercus and allergy

Google: oak pollen allergy; oak pollen allergy adverse; oak pollen allergen; oak pollen allergen adverse; same search results performed for Quercus palmerii, Q. palmeri, and Q. dunnii

Nomenclature

According to ITIS, the correct spelling of Quercus palmerii is Quercus palmeri. The current name is Quercus dunnii (TSN 19324). Common names are dunn oak, Dunn's oak, and Palmer oak. Synonyms are: Quercus chrysolepis var. palmeri, Quercus chrysolepis palneri, and Quercus chrysolepis palneri. Quercus genus is in the Fagaceae family.

Parent Product

932 - Pollens - Trees, Oak, Palmer Quercus palmerii

Published Data

PMID 2754148: This paper describes in vitro methods for identifying potential allergens to Q. alba.

PMID 2754148: Provides a review of oaks, genus Quercus, and reports that there is a strong homology between Aln g 1 (alder), Bet v 1 (Birch), Car b 1 (hornbeam), and Que a 1 (oak).

PMID 12897724: This review notes the trees within the Fagales family have strong cross-allergenicity between Betulaceae based on homonloy of group 1 and 2 allergens.

PMIDs 3296843 and 1715032: Several papers reported that pollens from the order Fagales contain cross-reactive allergens such as oak, alder, hazel, and hornbeam pollen.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
906_ Ann Allergy Asthma Immunol 86-A6.pdf	11289338	Weber, R.W.	2001
906_ J Allergy Clin Immunol 084-009.pdf	2754148	Loria, R.C.	1989
906_ J Allergy Clin Immunol 089-658.pdf	1545087	Lavins, B.J.	1992
1156_ J Allergy Clin Immunol August 2003 229-239.pdf	12897724	Weber, RW	2003
709_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
709_ Mol Immunol 28-897.pdf	1715032	Rohac, M.	1994

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 933 - Pollens - Trees, Oak, Pin Quercus palustris

Manufacturers of this Product

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: Quercus and allergy

Google: oak pollen allergy; oak pollen allergy adverse; oak pollen allergen; oak pollen allergen adverse; same search results performed for Quercus palustris

Nomenclature

According to ITIS, the scientific name is Quercus palustris (TSN 19281). Common name is pin oak. The scientific and common names are correct and current. Quercus genus is in the Fagaceae family.

Parent Product

941 - Pollens - Trees, Oak, Swamp (Pin) Quercus palustris

Related Products

933 - Pollens - Trees, Oak, Pin Quercus palustris

Published Data

PMID 2754148: This paper describes in vitro methods for identifying potential allergens to Q. alba.

PMID 11289338: Provides a review of Oaks, genus Quercus and reports that there is a strong homology between Aln g 1 (alder), Bet v 1 (Birch), Car b 1 (hornbeam), and Que a 1 (oak).

PMID 1545087: Allergic and non-allergic patients were tested with different extract. Thirteen subjects were skin prick tested with Q. alba extract. One of these subjects was positive.

PMID 12897724: This review notes the trees within the Fagales family have strong cross-allergenicity between Betulaceae based on homonloy of group 1 and 2 allergens.

PMIDs 3296843 and 1715032: Several papers reported that pollens from the order Fagales contain cross-reactive allergens such as oak, alder, hazel, and hornbeam pollen.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
906_ Ann Allergy Asthma Immunol 86-A6.pdf	11289338	Weber, R.W.	2001
906_ J Allergy Clin Immunol 084-009.pdf	2754148	Loria, R.C.	1989
906_ J Allergy Clin Immunol 089-658.pdf	1545087	Lavins, B.J.	1992
1156_ J Allergy Clin Immunol August 2003 229-239.pdf	12897724	Weber, RW	2003
709_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
709_ Mol Immunol 28-897.pdf	1715032	Rohac, M.	1994

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 934 - Pollens - Trees, Oak, Post Quercus stellata

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Quercus and allergy
Google: oak pollen allergy; oak pollen allergy adverse; oak pollen allergen; oak pollen allergen adverse; same search results performed for Quercus stellata

Nomenclature

According to ITIS, the scientific name is Quercus stellata (TSN 19422). Common name is post oak. The genus, species, and common names are correct. Synonyms are Q. stellata var. attenuata and Q. stellata var. parviloba. Quercus stellata stellata is listed as a variety. Quercus genus is in the Fagaceae family.

Parent Product

934 - Pollens - Trees, Oak, Post Quercus stellata

Published Data

PMID 2754148: This paper describes in vitro methods for identifying potential allergens to Q. alba.
PMID 2754148: Provides a review of oaks, genus Quercus, and reports that there is a strong homology between Aln g 1 (alder), Bet v 1 (Birch), Car b 1 (hornbeam), and Que a 1 (oak).
PMID 12897724: This review notes the trees within the Fagales family have strong cross-allergenicity between Betulaceae based on homonloy of group 1 and 2 allergens.
PMIDs 3296843 and 1715032: Several papers reported that pollens from the order Fagales contain cross-reactive allergens such as oak, alder, hazel, and hornbeam pollen.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
906_ Ann Allergy Asthma Immunol 86-A6.pdf	11289338	Weber, R.W.	2001
906_ J Allergy Clin Immunol 084-009.pdf	2754148	Loria, R.C.	1989
906_ J Allergy Clin Immunol 089-658.pdf	1545087	Lavins, B.J.	1992
1156_ J Allergy Clin Immunol August 2003 229-239.pdf	12897724	Weber, RW	2003
709_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
709_ Mol Immunol 28-897.pdf	1715032	Rohac, M.	1994

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 935 - Pollens - Trees, Oak, Red Quercus rubra

Recommended Common Name Oak, Northern Red

Manufacturers of this Product

- Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
- Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
- Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
- ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
- Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
- Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Quercus and allergy
Google: oak pollen allergy; oak pollen allergy adverse; oak pollen allergen; oak pollen allergen adverse; same search results performed for Quercus rubra

Nomenclature

According to ITIS, the scientific name is Quercus rubra (TSN 19408). The common name is northern red oak. The genus, species, and common names are correct. Two varieties of Q. rubra var. ambigua and rubra are listed. Quercus genus is in the Fagaceae family.

Parent Product

935 - Pollens - Trees, Oak, Red Quercus rubra

Published Data

PMID 2754148: This paper describes in vitro methods for identifying potential allergens to Q. alba.
PMID 2754148: Provides a review of oaks, genus Quercus, and reports that there is a strong homology between Aln g 1 (alder), Bet v 1 (Birch), Car b 1 (hornbeam), and Que a 1 (oak).
PMID 12897724: This review notes the trees within the Fagales family have strong cross-allergenicity between Betulaceae based on homonloy of group 1 and 2 allergens.
PMIDs 3296843 and 1715032: Several papers reported that pollens from the order Fagales contain cross-reactive allergens such as oak, alder, hazel, and hornbeam pollen.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
906_ Ann Allergy Asthma Immunol 86-A6.pdf	11289338	Weber, R.W.	2001
906_ J Allergy Clin Immunol 084-009.pdf	2754148	Loria, R.C.	1989
906_ J Allergy Clin Immunol 089-658.pdf	1545087	Lavins, B.J.	1992
1156_ J Allergy Clin Immunol August 2003 229-239.pdf	12897724	Weber, RW	2003
709_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
709_ Mol Immunol 28-897.pdf	1715032	Rohac, M.	1994

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 936 - Pollens - Trees, Oak, Scarlet or Spanish Quercus coccinea

Recommended Common Name Oak, Scarlet

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: Quercus and allergy

Google: oak pollen allergy; oak pollen allergy adverse; oak pollen allergen; oak pollen allergen adverse; same search results performed for Quercus coccinea

Nomenclature

According to ITIS, the scientific name is Quercus coccinea (TSN 19288). Common name is scarlet oak. The genus, species, and common name are correct. Two varieties of Q. coccinea var. coccinea and tuberculata are listed. Quercus genus is in the Fagaceae family.

Parent Product

936 - Pollens - Trees, Oak, Scarlet or Spanish Quercus coccinea

Published Data

PMID 2754148: This paper describes in vitro methods for identifying potential allergens to Q. alba.

PMID 2754148: Provides a review of oaks, genus Quercus, and reports that there is a strong homology between Aln g 1 (alder), Bet v 1 (Birch), Car b 1 (hornbeam), and Que a 1 (oak).

PMID 12897724: This review notes the trees within the Fagales family have strong cross-allergenicity between Betulaceae based on homonloy of group 1 and 2 allergens.

PMIDs 3296843 and 1715032: Several papers reported that pollens from the order Fagales contain cross-reactive allergens such as oak, alder, hazel, and hornbeam pollen.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
906_ Ann Allergy Asthma Immunol 86-A6.pdf	11289338	Weber, R.W.	2001
906_ J Allergy Clin Immunol 084-009.pdf	2754148	Loria, R.C.	1989
906_ J Allergy Clin Immunol 089-658.pdf	1545087	Lavins, B.J.	1992
1156_ J Allergy Clin Immunol August 2003 229-239.pdf	12897724	Weber, RW	2003
709_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
709_ Mol Immunol 28-897.pdf	1715032	Rohac, M.	1994

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 937 - Pollens - Trees, Oak, Scrub Quercus dumosa

Recommended Common Name Oak, Coastal Sage Scrub

Manufacturers of this Product

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: Quercus and allergy

Google: oak pollen allergy; oak pollen allergy adverse; oak pollen allergen; oak pollen allergen adverse; same search results performed for Quercus dumosa

Nomenclature

According to ITIS, the scientific name is Quercus dumosa (TSN 19323). The genus and species are correct. 'Coastal sage scrub oak' is listed as the common name. Two varieties of Q. dumosa var. dumosa and elegantula are listed. Quercus genus is in the Fagaceae family.

Parent Product

937 - Pollens - Trees, Oak, Scrub Quercus dumosa

Published Data

PMID 2754148: This paper describes in vitro methods for identifying potential allergens to Q. alba.

PMID 2754148: Provides a review of oaks, genus Quercus, and reports that there is a strong homology between Aln g 1 (alder), Bet v 1 (Birch), Car b 1 (hornbeam), and Que a 1 (oak).

PMID 12897724: This review notes the trees within the Fagales family have strong cross-allergenicity between Betulaceae based on homonloy of group 1 and 2 allergens.

PMIDs 3296843 and 1715032: Several papers reported that pollens from the order Fagales contain cross-reactive allergens such as oak, alder, hazel, and hornbeam pollen.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
906_ Ann Allergy Asthma Immunol 86-A6.pdf	11289338	Weber, R.W.	2001
906_ J Allergy Clin Immunol 084-009.pdf	2754148	Loria, R.C.	1989
906_ J Allergy Clin Immunol 089-658.pdf	1545087	Lavins, B.J.	1992
1156_ J Allergy Clin Immunol August 2003 229-239.pdf	12897724	Weber, RW	2003
709_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
709_ Mol Immunol 28-897.pdf	1715032	Rohac, M.	1994

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 938 - Pollens - Trees, Oak, Shin or Shinnery Quercus havardii

Recommended Common Name Oak, Shinnery

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: Quercus and allergy

Google: oak pollen allergy; oak pollen allergy adverse; oak pollen allergen; oak pollen allergen adverse; same search results performed for Quercus havardii

Nomenclature

According to ITIS, the scientific name is Quercus havardii (TSN 504711). Common names are Harvard oak, Sand shinnery oak, sand shinoak, and shinnery oak. The genus, species, and common names are correct. Two varieties of Q. havardii havardii and tuckeri are listed. Quercus genus is in the Fagaceae family.

Parent Product

938 - Pollens - Trees, Oak, Shin or Shinnery Quercus havardii

Published Data

PMID 2754148: This paper describes in vitro methods for identifying potential allergens to Q. alba.

PMID 2754148: Provides a review of oaks, genus Quercus, and reports that there is a strong homology between Aln g 1 (alder), Bet v 1 (Birch), Car b 1 (hornbeam), and Que a 1 (oak).

PMID 12897724: This review notes the trees within the Fagales family have strong cross-allergenicity between Betulaceae based on homonloy of group 1 and 2 allergens.

PMIDs 3296843 and 1715032: Several papers reported that pollens from the order Fagales contain cross-reactive allergens such as oak, alder, hazel, and hornbeam pollen.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
906_ Ann Allergy Asthma Immunol 86-A6.pdf	11289338	Weber, R.W.	2001
906_ J Allergy Clin Immunol 084-009.pdf	2754148	Loria, R.C.	1989
906_ J Allergy Clin Immunol 089-658.pdf	1545087	Lavins, B.J.	1992
1156_ J Allergy Clin Immunol August 2003 229-239.pdf	12897724	Weber, RW	2003
709_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
709_ Mol Immunol 28-897.pdf	1715032	Rohac, M.	1994

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 939 - Pollens - Trees, Oak, Southern Red Quercus falcata

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: Quercus and allergy

Google: oak pollen allergy; oak pollen allergy adverse; oak pollen allergen; oak pollen allergen adverse; same search results performed for Quercus falcata

Nomenclature

According to ITIS, the scientific name is Quercus falcata (TSN 19277). Common name is southern red oak. The genus, species, and common names are correct. Synonyms are Quercus falcata var. triloba and Quercus triloba. Quercus genus is in the Fagaceae family.

Parent Product

939 - Pollens - Trees, Oak, Southern Red Quercus falcata

Related Products

940 - Pollens - Trees, Oak, Spanish Water Quercus falcata

Published Data

PMID 2754148: This paper describes in vitro methods for identifying potential allergens to Q. alba.

PMID 2754148: Provides a review of oaks, genus Quercus, and reports that there is a strong homology between Aln g 1 (alder), Bet v 1 (Birch), Car b 1 (hornbeam), and Que a 1 (oak).

PMID 12897724: This review notes the trees within the Fagales family have strong cross-allergenicity between Betulaceae based on homonloy of group 1 and 2 allergens.

PMIDs 3296843 and 1715032: Several papers reported that pollens from the order Fagales contain cross-reactive allergens such as oak, alder, hazel, and hornbeam pollen.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
906_ Ann Allergy Asthma Immunol 86-A6.pdf	11289338	Weber, R.W.	2001
906_ J Allergy Clin Immunol 084-009.pdf	2754148	Loria, R.C.	1989
906_ J Allergy Clin Immunol 089-658.pdf	1545087	Lavins, B.J.	1992
1156_ J Allergy Clin Immunol August 2003 229-239.pdf	12897724	Weber, RW	2003
709_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
709_ Mol Immunol 28-897.pdf	1715032	Rohac, M.	1994

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 940 - Pollens - Trees, Oak, Spanish Water Quercus falcata

Recommended Common Name Oak, Southern Red

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Quercus and allergy

Google: oak pollen allergy; oak pollen allergy adverse; oak pollen allergen; oak pollen allergen adverse; same search results performed for Quercus falcata

Nomenclature

According to ITIS, the scientific name is Quercus falcata (TSN 19277). The genus and species are correct. Common name is southern red oak and not spanish water oak. Synonyms are Quercus falcata var. triloba and Quercus triloba. Quercus genus is in the Fagaceae family.

Parent Product

939 - Pollens - Trees, Oak, Southern Red Quercus falcata

Related Products

940 - Pollens - Trees, Oak, Spanish Water Quercus falcata

Published Data

PMID 2754148: This paper describes in vitro methods for identifying potential allergens to Q. alba.

PMID 2754148: Provides a review of oaks, genus Quercus, and reports that there is a strong homology between Aln g 1 (alder), Bet v 1 (Birch), Car b 1 (hornbeam), and Que a 1 (oak).

PMID 12897724: This review notes the trees within the Fagales family have strong cross-allergenicity between Betulaceae based on homonloy of group 1 and 2 allergens.

PMIDs 3296843 and 1715032: Several papers reported that pollens from the order Fagales contain cross-reactive allergens such as oak, alder, hazel, and hornbeam pollen.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
906_ Ann Allergy Asthma Immunol 86-A6.pdf	11289338	Weber, R.W.	2001
906_ J Allergy Clin Immunol 084-009.pdf	2754148	Loria, R.C.	1989
906_ J Allergy Clin Immunol 089-658.pdf	1545087	Lavins, B.J.	1992
1156_ J Allergy Clin Immunol August 2003 229-239.pdf	12897724	Weber, RW	2003
709_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
709_ Mol Immunol 28-897.pdf	1715032	Rohac, M.	1994

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 941 - Pollens - Trees, Oak, Swamp (Pin) Quercus palustris

Recommended Common Name Oak, Pin

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Quercus and allergy

Google: oak pollen allergy; oak pollen allergy adverse; oak pollen allergen; oak pollen allergen adverse; same search results performed for Quercus palustris

Nomenclature

According to ITIS, the scientific name is Quercus palustris (TSN 19281). Common name is pin oak. Quercus genus is in the Fagaceae family.

Parent Product

941 - Pollens - Trees, Oak, Swamp (Pin) Quercus palustris

Related Products

933 - Pollens - Trees, Oak, Pin Quercus palustris

Published Data

PMID 2754148: This paper describes in vitro methods for identifying potential allergens to Q. alba.

PMID 2754148: Provides a review of oaks, genus Quercus, and reports that there is a strong homology between Aln g 1 (alder), Bet v 1 (Birch), Car b 1 (hornbeam), and Que a 1 (oak).

PMID 12897724: This review notes the trees within the Fagales family have strong cross-allergenicity between Betulaceae based on homonloy of group 1 and 2 allergens.

PMIDs 3296843 and 1715032: Several papers reported that pollens from the order Fagales contain cross-reactive allergens such as oak, alder, hazel, and hornbeam pollen.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
906_ Ann Allergy Asthma Immunol 86-A6.pdf	11289338	Weber, R.W.	2001
906_ J Allergy Clin Immunol 084-009.pdf	2754148	Loria, R.C.	1989
906_ J Allergy Clin Immunol 089-658.pdf	1545087	Lavins, B.J.	1992
1156_ J Allergy Clin Immunol August 2003 229-239.pdf	12897724	Weber, RW	2003
709_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
709_ Mol Immunol 28-897.pdf	1715032	Rohac, M.	1994

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 942 - Pollens - Trees, Oak, Valley Quercus lobata

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: Quercus and allergy

Google: oak pollen allergy; oak pollen allergy adverse; oak pollen allergen; oak pollen allergen adverse; same search results performed for Quercus lobata

Nomenclature

According to ITIS, the scientific name is Quercus lobata (TSN 19370). Common names are California white oak and valley oak. The genus, species, and common names are correct. Synonyms are Quercus hindsii, Quercus lobata var. argillara, Quercus lobata var. insperata, Quercus lobata var. turbinata, Quercus lobata var. walteri. Quercus genus is in the Fagaceae family.

Parent Product

942 - Pollens - Trees, Oak, Valley Quercus lobata

Published Data

PMID 2754148: This paper describes in vitro methods for identifying potential allergens to Q. alba.

PMID 2754148: Provides a review of oaks, genus Quercus, and reports that there is a strong homology between Aln g 1 (alder), Bet v 1 (Birch), Car b 1 (hornbeam), and Que a 1 (oak).

PMID 12897724: This review notes the trees within the Fagales family have strong cross-allergenicity between Betulaceae based on homonloy of group 1 and 2 allergens.

PMIDs 3296843 and 1715032: Several papers reported that pollens from the order Fagales contain cross-reactive allergens such as oak, alder, hazel, and hornbeam pollen.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
906_ Ann Allergy Asthma Immunol 86-A6.pdf	11289338	Weber, R.W.	2001
906_ J Allergy Clin Immunol 084-009.pdf	2754148	Loria, R.C.	1989
906_ J Allergy Clin Immunol 089-658.pdf	1545087	Lavins, B.J.	1992
1156_ J Allergy Clin Immunol August 2003 229-239.pdf	12897724	Weber, RW	2003
709_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
709_ Mol Immunol 28-897.pdf	1715032	Rohac, M.	1994

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 943 - Pollens - Trees, Oak, Virginia Live Quercus virginiana

Recommended Common Name Oak, Live

Manufacturers of this Product

- Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
- Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
- Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
- ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: Quercus and allergy
Google: oak pollen allergy; oak pollen allergy adverse; oak pollen allergen; oak pollen allergen adverse; same search results performed for Quercus virginiana

Nomenclature

According to ITIS, the scientific name is Quercus virginiana (TSN 19283). Common name is live oak. The scientific name is correct and current. The common name needs to be updated. Q. virginiana virginiana is listed as a variety. Quercus genus is in the Fagaceae family.

Parent Product

930 - Pollens - Trees, Oak, live, Quercus virginiana

Related Products

943 - Pollens - Trees, Oak, Virginia Live Quercus virginiana

Published Data

- PMID 2754148: This paper describes in vitro methods for identifying potential allergens to Q. alba.
- PMID 11289338: Provides a review of Oaks, genus Quercus and reports that there is a strong homology between Aln g 1 (alder), Bet v 1 (Birch), Car b 1 (hornbeam), and Que a 1 (oak).
- PMID 1545087: Allergic and non-allergic patients were tested with different extract. Thirteen subjects were skin prick tested with Q. alba extract. One of these subjects was positive.
- PMID 12897724: This review notes the trees within the Fagales family have strong cross-allergenicity between Betulaceae based on homonloy of group 1 and 2 allergens.
- PMID 3296843 and 1715032: Several papers reported that pollens from the order Fagales contain cross-reactive allergens such as oak, alder, hazel, and hornbeam pollen.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
906_ Ann Allergy Asthma Immunol 86-A6.pdf	11289338	Weber, R.W.	2001
906_ J Allergy Clin Immunol 084-009.pdf	2754148	Loria, R.C.	1989
906_ J Allergy Clin Immunol 089-658.pdf	1545087	Lavins, B.J.	1992
1156_ J Allergy Clin Immunol August 2003 229-239.pdf	12897724	Weber, RW	2003
709_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
709_ Mol Immunol 28-897.pdf	1715032	Rohac, M.	1994

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 944 - Pollens - Trees, Oak, Water Quercus nigra

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Quercus and allergy

Google: oak pollen allergy; oak pollen allergy adverse; oak pollen allergen; oak pollen allergen adverse; same search results performed for Quercus nigra

Nomenclature

According to ITIS, the scientific name is Quercus nigra (TSN 19280). Common name is water oak. The scientific and common names are correct and current. Synonyms are Quercus microcarya and Quercus nigra var. heterophylla. Quercus genus is in the Fagaceae family.

Parent Product

944 - Pollens - Trees, Oak, Water Quercus nigra

Published Data

PMID 2754148: This paper describes in vitro methods for identifying potential allergens to Q. alba.

PMID 11289338: Provides a review of Oaks, genus Quercus and reports that there is a strong homology between Aln g 1 (alder), Bet v 1 (Birch), Car b 1 (hornbeam), and Que a 1 (oak).

PMID 1545087: Allergic and non-allergic patients were tested with different extract. Thirteen subjects were skin prick tested with Q. alba extract. One of these subjects was positive.

PMID 12897724: This review notes the trees within the Fagales family have strong cross-allergenicity between Betulaceae based on homonloy of group 1 and 2 allergens.

PMID 3296843 and 1715032: Several papers reported that pollens from the order Fagales contain cross-reactive allergens such as oak, alder, hazel, and hornbeam pollen.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
906_ Ann Allergy Asthma Immunol 86-A6.pdf	11289338	Weber, R.W.	2001
906_ J Allergy Clin Immunol 084-009.pdf	2754148	Loria, R.C.	1989
906_ J Allergy Clin Immunol 089-658.pdf	1545087	Lavins, B.J.	1992
1156_ J Allergy Clin Immunol August 2003 229-239.pdf	12897724	Weber, RW	2003
709_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
709_ Mol Immunol 28-897.pdf	1715032	Rohac, M.	1994

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 945 - Pollens - Trees, Oak, Western White Quercus garryana

Recommended Common Name Oak, Oregon White

Manufacturers of this Product

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Search Strategy

PubMed: Quercus and allergy

Google: oak pollen allergy; oak pollen allergy adverse; oak pollen allergen; oak pollen allergen adverse; same search results performed for Quercus garryana

Nomenclature

According to ITIS, the scientific name is Quercus garryana (TSN 19340). Common name is Oregon white oak. The scientific name is correct and current. The common name needs to be updated. There are three varieties of Q. garryana: breweri, garryana, and semota. Quercus genus is in the Fagaceae family.

Parent Product

945 - Pollens - Trees, Oak, Western White Quercus garryana

Related Products

927 - Pollens - Trees, Oak, Garry Quercus garryana

Published Data

PMID 2754148: This paper describes in vitro methods for identifying potential allergens to Q. alba.

PMID 11289338: Provides a review of Oaks, genus Quercus and reports that there is a strong homology between Aln g 1 (alder), Bet v 1 (Birch), Car b 1 (hornbeam), and Que a 1 (oak).

PMID 1545087: Allergic and non-allergic patients were tested with different extract. Thirteen subjects were skin prick tested with Q. alba extract. One of these subjects was positive.

PMID 12897724: This review notes the trees within the Fagales family have strong cross-allergenicity between Betulaceae based on homonloy of group 1 and 2 allergens.

PMID 3296843 and 1715032: Several papers reported that pollens from the order Fagales contain cross-reactive allergens such as oak, alder, hazel, and hornbeam pollen.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
906_ Ann Allergy Asthma Immunol 86-A6.pdf	11289338	Weber, R.W.	2001
906_ J Allergy Clin Immunol 084-009.pdf	2754148	Loria, R.C.	1989
906_ J Allergy Clin Immunol 089-658.pdf	1545087	Lavins, B.J.	1992
1156_ J Allergy Clin Immunol August 2003 229-239.pdf	12897724	Weber, RW	2003
709_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
709_ Mol Immunol 28-897.pdf	1715032	Rohac, M.	1994

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 946 - Pollens - Trees, Oak, White Quercus alba

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Quercus and allergy
Google: oak pollen allergy; oak pollen allergy adverse; oak pollen allergen; oak pollen allergen adverse; same search results performed for Quercus alba

Nomenclature

According to ITIS, the scientific name is Quercus alba (TSN 19290). Common name is white oak. The genus, species, and common names are correct. Synonyms are Quercus alba var. subcaerulea and Quercus alba var. subflavea. Quercus genus is in the Fagaceae family.

Parent Product

946 - Pollens - Trees, Oak, White Quercus alba

Published Data

PMID 2754148: This paper describes in vitro methods for identifying potential allergens to Q. alba.
PMID 2754148: Provides a review of oaks, genus Quercus, and reports that there is a strong homology between Aln g 1 (alder), Bet v 1 (Birch), Car b 1 (hornbeam), and Que a 1 (oak).
PMID 12897724: This review notes the trees within the Fagales family have strong cross-allergenicity between Betulaceae based on homonloy of group 1 and 2 allergens.
PMIDs 3296843 and 1715032: Several papers reported that pollens from the order Fagales contain cross-reactive allergens such as oak, alder, hazel, and hornbeam pollen.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
906_ Ann Allergy Asthma Immunol 86-A6.pdf	11289338	Weber, R.W.	2001
906_ J Allergy Clin Immunol 084-009.pdf	2754148	Loria, R.C.	1989
906_ J Allergy Clin Immunol 089-658.pdf	1545087	Lavins, B.J.	1992
1156_ J Allergy Clin Immunol August 2003 229-239.pdf	12897724	Weber, RW	2003
709_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
709_ Mol Immunol 28-897.pdf	1715032	Rohac, M.	1994

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 947 - Pollens - Trees, Oak, Willow Quercus phellos

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: Quercus and allergy

Google: oak pollen allergy; oak pollen allergy adverse; oak pollen allergen; oak pollen allergen adverse; same search results performed for Quercus phellos

Nomenclature

According to ITIS, the scientific name is Quercus phellos (TSN 19282). Common name is willow oak. The genus, species, and common names are correct. Quercus genus is in the Fagaceae family.

Parent Product

947 - Pollens - Trees, Oak, Willow Quercus phellos

Published Data

PMID 2754148: This paper describes in vitro methods for identifying potential allergens to Q. alba.

PMID 2754148: Provides a review of oaks, genus Quercus, and reports that there is a strong homology between Aln g 1 (alder), Bet v 1 (Birch), Car b 1 (hornbeam), and Que a 1 (oak).

PMID 12897724: This review notes the trees within the Fagales family have strong cross-allergenicity between Betulaceae based on homonloy of group 1 and 2 allergens.

PMIDs 3296843 and 1715032: Several papers reported that pollens from the order Fagales contain cross-reactive allergens such as oak, alder, hazel, and hornbeam pollen.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
906_ Ann Allergy Asthma Immunol 86-A6.pdf	11289338	Weber, R.W.	2001
906_ J Allergy Clin Immunol 089-658.pdf	1545087	Lavins, B.J.	1992
1156_ J Allergy Clin Immunol August 2003 229-239.pdf	12897724	Weber, RW	2003
907_ J Allergy Clin Immunol 084-009.pdf	2754148	Loria, R.C.	1989
709_ Allergy 42-205.pdf	3296843	Eriksson, N.E.	1987
709_ Mol Immunol 28-897.pdf	1715032	Rohac, M.	1994

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 948 - Pollens - Trees, Olive Olea europaea

Manufacturers of this Product

- Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
- Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
- Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
- ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
- Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
- Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)
- Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Olive pollen

Google: olive pollen allergy; olive pollen allergy adverse; olive pollen allergen; olive pollen allergen adverse; same search results performed for Olea europaea

Nomenclature

According to ITIS, the scientific name is Olea europaea (TSN 32990). Common name is olive. The scientific and common names are correct and current. Olea europaea ssp. Africana and Olea europaea ssp. europaea are listed as subspecies. The Olea genus is found in the Oleaceae family.

Parent Product

948 - Pollens - Trees, Olive Olea europaea

Published Data

Olive pollen allergy is well documented in Southern Europe. There are 10 known allergens, many of which are well characterized.

Sveral documents reported on the use of O. europaea pollen extract for diagnosis by skin prick testing of Olive tree pollen allergies in patients (PMID 10200024, 16045856, 7622759, 17298348)

Use of olive tree pollen for specific immunotherapy for reported in PMID 15736717, 15461599, 1583250)

In addition, minimal to moderate cross reativity within the Eleagnaceae family was reported in PMID 15461599. Cross-reactivity between olive, privet, rye grass (Lolium perenne) and couch grass (Bermuda grass: Cynodon dactylon) pollens was reported in PMID 1528191.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
371_ J Inv All Clin Immunol 14-312.pdf	15736717	Serrano, P.	2004
371_ JACI 103-709.pdf	10200024	Neukirch, C.	1999
906_ Allergol et Immunopath 32-271.pdf.pdf	15456623	Guardia, P.	2004
948_ Allergol et Immunopath 33-192.pdf	16045856	Loureiro, G.	371
948_ Allergy 59-1181.pdf	15461599	Sastre, J.	2004
948_ J Allergy Clin Immunol 096-015.pdf	7622759	Subiza, J.	1995
948_ J Clin Allergy Immunol 89-925.doc.pdf	1583250	Hejjaoui, A.	1992
1010_ Mol Immunol 29-1209.pdf	1528191	Baldo, B.A.	1992
1177_ Allergy 62 (3) 301.pdf	17298348	Bousquet, P.J.	2007

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 949 - Pollens - Trees, Olive, Russian Elaeagnus angustifolia

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: Russian Elaeagnus angustifolia
Google: olive pollen allergy; olive pollen allergy adverse; olive pollen allergen; olive pollen allergen adverse; same search results performed for Elaeagnus angustifolia

Nomenclature

According to ITIS, the scientific name is Elaeagnus angustifolia (TSN 27770). Common names are oleaster, Russian olive, and Russian-olive. The genus, species, and common names are correct. The Elaeagnus genus is found in the Elaeagnaceae family.

Parent Product

949 - Pollens - Trees, Olive, Russian Elaeagnus angustifolia

Published Data

Olive pollen allergy is well documented in Southern Europe. There are 10 known allergens, many of which are well characterized.
Several documents reported on the use of *O. europaea* pollen extract for diagnosis by skin prick testing of Olive tree pollen allergies in patients (PMID 1020024, 16045856, 7622759, 17298348)
Use of olive tree pollen for specific immunotherapy for reported in PMID 15736717, 15461599, 1583250)
In addition, minimal to moderate cross reactivity within the Elaeagnaceae family was reported in PMID 15461599. Cross-reactivity between olive, privet, rye grass (*Lolium perenne*) and couch grass (Bermuda grass: *Cynodon dactylon*) pollens was reported in PMID 1528191

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
906_ Allergol et Immunopath 32-271.pdf.pdf	15456623	Guardia, P.	2004
968_ Allergol et Immunopath 33-192.pdf	16045856	Loureiro, G.	371
948_ Allergy 59-1181.pdf	15461599	Sastre, J.	2004
948_ Int Arch Allergy Immunol 111-210.pdf	8917115	Liccardi, G.	1996
948_ Int Arch Allergy Immunol 125-185.pdf	11490150	Rodríguez, R.	2001
968_ J Allergy Clin Immunol 096-015.pdf	7622759	Subiza, J.	1995
948_ J Clin Allergy Immunol 89-925.doc.pdf	1583250	Hejjaoui, A.	1992
948_ Ann Allergy Asthma Immunol 92(1)-A6.pdf	14756455	Weber, RW	2004

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 950 - Pollens - Trees, Orange Blossom Citrus spp.

Recommended Scientific Name Citrus, (species to be specified)

Manufacturers of this Product

Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)

Search Strategy

PubMed: Citrus

Google: orange pollen allergy; orange pollen allergy adverse; orange pollen allergen; orange pollen allergen adverse; same search results performed for Citrus

Nomenclature

According to ITIS, there are fourteen species within the Citrus genus (TSN 28882). The Citrus genus is found in the Rutaceae family.

Parent Product

950 - Pollens - Trees, Orange Blossom Citrus spp.

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 951 - Pollens - Trees, Orange Citrus sinensis

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Citrus sinensis

Google: orange pollen allergy; orange pollen allergy adverse; orange pollen allergen; orange pollen allergen adverse; same search results performed for Citrus sinensis

Nomenclature

According to ITIS, the scientific name is Citrus sinensis (TSN 28889). Common names are orange and sweet orange. The genus, species, and common names are correct. Synonym is Citrus aurantium var. sinensis. The Citrus genus is found in the Rutaceae family.

Parent Product

951 - Pollens - Trees, Orange Citrus sinensis

Published Data

PMID 15970633 reports on the IgE-specific cross-reactivity between orange tree pollen and citrus fruits. There were six subjects studied, two of which were skin test positive to the pollen extract, but not to the fruit.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
951_ Int Arch Allergy Immunol 137-265.pdf.pdf	15970633	Iraneta, S.G.	2005

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 952 - Pollens - Trees, Orange Citrus spp

Recommended Scientific Name Citrus, (species to be specified)

Manufacturers of this Product

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: Citrus

Google: orange pollen allergy; orange pollen allergy adverse; orange pollen allergen; orange pollen allergen adverse; same search results performed for Citrus

Nomenclature

According to ITIS, there are fourteen species within the Citrus genus (TSN 28882). The Citrus genus is found in the Rutaceae family.

Parent Product

952 - Pollens - Trees, Orange Citrus spp

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 953 - Pollens - Trees, Osage Orange Mactura pomifera

Recommended Scientific Name Maclura pomifera

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Osage Orange mactura pomifera (and subsets of those four words)
Google: Osage Orange mactura pomifera (and subsets of those four words)

Nomenclature

According to ITIS, the correct scientific name of Mactura pomifera is Maclura pomifera (TSN 19102). Common names are osage orange, osage-orange, and osageorange. Synonyms are loxylon pomiferum and Toxylon pomiferum. The Maclura genus is found in the Moraceae (mulberries) family.

Parent Product

953 - Pollens - Trees, Osage Orange Mactura pomifera

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 954 - Pollens - Trees, Palm, Canary Island Date Phoenix canariensis

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: date palm + allergy; Phoenix canariensis

Google: Phoenix canariensis

Nomenclature

According to ITIS, the scientific name is Phoenix canariensis (TSN 504333). Common name is Canary Island date palm. The genus, species, and common names are correct. The Phoenix genus is found in the Arecaceae family.

Parent Product

954 - Pollens - Trees, Palm, Canary Island Date Phoenix canariensis

Published Data

PMID 15784118 reports on strong cross-reactivity between profilins such as date palm, olive tree and grass pollens.

PMID 12028116 supports date pollen cross-reactivity between Artemisia, cultivated rye (*Secale cereale*), Timothy grass (*Phleum pratense*), Sydney golden wattle (*Acacia longifolia*), and Bermuda grass (*Cynodon dactylon*) pollen.

PMID 7677245 reports on cross-reactivity between Phoenix canariensis and date palm (*P. dactylifera*) pollen.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
954_ Harefuah 126-305.pdf	8194783	Waisel, Y	1994
954_ Clin Exp Allergy 35-374.pdf	15784118	Asturias, JA	2005
954_ Biosci Biotechnol Biochem 66-820.pdf	12036055	Kimura, Y	2002
954_ Allergy 57-508.pdf	12028116	Kwaasi, AA	2002
954_ Allergy 50-277.pdf	7677245	Blanco, C	1995

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 955 - Pollens - Trees, Palm, Date Phoenix dactylifera

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: date palm + allergy
Google: date tree pollen allergy; date tree pollen allergy adverse; date tree pollen allergen; date tree pollen allergen adverse;
same search results performed for Phoenix dactylifera

Nomenclature

According to ITIS, the scientific name is Phoenix dactylifera (TSN 42458). Common name is date palm. The genus, species, and common names are correct. The Phoenix genus is found in the Arecaceae family.

Parent Product

955 - Pollens - Trees, Palm, Date Phoenix dactylifera

Published Data

PMID 15784118 reports on strong cross-reactivity between profilins such as date palm, olive tree and grass pollens.
PMID 12028116 supports date pollen cross-reactivity between Artemisia, cultivated rye (Secale cereale), Timothy grass (Phleum pratense), Sydney golden wattle (Acacia longifolia), and Bermuda grass (Cynodon dactylon) pollen.
PMID 7677245 reports on cross-reactivity between Phoenix canariensis and date palm (P. dactylifera) pollen.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
954_ Allergy 50-277.pdf	7677245	Blanco, C	1995
954_ Allergy 57-508.pdf	12028116	Kwaasi, AA	2002
954_ Biosci Biotechnol Biochem 66-820.pdf	12036055	Kimura, Y	2002
954_ Clin Exp Allergy 35-374.pdf	15784118	Asturias, JA	2005
954_ Harefuah 126-305.pdf	8194783	Waisel, Y	1994

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 956 - Pollens - Trees, Palm, Dwarf Chamaerops humilis

Recommended Common Name Palm, European Fan

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Dwarf palm; chamaerops humilis L.

Google: Dwarf palm + allergy

Nomenclature

According to ITIS, the scientific name is Chamaerops humilis (TSN 506714). The genus and species are correct. Common name is European fan palm. The Chamaerops genus is found in the Arecaceae family.

Parent Product

956 - Pollens - Trees, Palm, Dwarf Chamaerops humilis

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 957 - Pollens - Trees, Palm, Queen Arecastrum romanzoffianum

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Arecastrum romanzoffianum; queen date palm; queen palm
Plant database: Arecastrum romanzoffianum
Google and allallergy.net: Arecastrum romanzoffianum; queen date palm; queen palm

Nomenclature

According to ITIS, the scientific name is Arecastrum romanzoffianum (TSN 506703). Common name is queen palm. The genus, species, and common names are correct. Synonym is Syagrus romanzoffianum. The Arecastrum genus is found in the Arecaceae family.

Parent Product

957 - Pollens - Trees, Palm, Queen Arecastrum romanzoffianum

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 958 - Pollens - Trees, Palm, Queen Cocos plumosa

Recommended Scientific Name Arecastrum romanzoffianum

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: Cocos plumosa; queen date palm; queen palm

Google and AllAllergy.net: Cocos plumosa; queen date palm; queen palm

Nomenclature

Cocos plumosa is not listed in ITIS. The only Queen palm listed in ITIS is Arecastrum romanzoffianum (Product 957).

Parent Product

958 - Pollens - Trees, Palm, Queen Cocos plumosa

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 959 - Pollens - Trees, Palm, Trithrinax acanthocoma

Recommended Scientific Name genus and species to be specified

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Trithrinax acanthocoma

Google and AllAllergy.net: Trithrinax acanthocoma

Nomenclature

Trithrinax acanthocoma is not listed in ITIS.

Parent Product

959 - Pollens - Trees, Palm, Trithrinax acanthocoma

Published Data

No supportive data were identified.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
954_ Allergy 50-277.pdf	7677245	Blanco, C	1995
954_ Allergy 57-508.pdf	12028116	Kwaasi, AA	2002
954_ Biosci Biotechnol Biochem 66-820.pdf	12036055	Kimura, Y	2002
954_ Clin Exp Allergy 35-374.pdf	15784118	Asturias, JA	2005
954_ Harefuah 126-305.pdf	8194783	Waisel, Y	1994

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 960 - Pollens - Trees, Palo Verde Cercidium torreyana

Recommended Scientific Name Cercidium spinosum

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)

Search Strategy

PubMed: Palo Verde Cercidium torreyana or any of the four words; paloverde; also parkinsonia florida

Google and AllAllergy.net: Palo Verde Cercidium torreyana or any of the four words; paloverde

Nomenclature

According to ITIS, the only accepted species within the genus Cercidium is C. spinosum (TSN 195917). There is no common name listed for C. spinosum. The Cercidium genus is found in the Fabaceae family.

Parent Product

960 - Pollens - Trees, Palo Verde Cercidium torreyana

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 961 - Pollens - Trees, Peach Prunus persica

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Prunus persica; peach;

Google: Peach pollen allergy

Nomenclature

According to ITIS, the scientific name is Prunus persica (TSN 24765). Common name is peach. The genus, species and common names are correct. Synonyms are Amygdalus persica and Persica vulgaris. Two varieties of P persica are listed: nucipersica and persica. The Prunus genus is found in the Rosceae family.

Parent Product

961 - Pollens - Trees, Peach Prunus persica

Published Data

PMID 10482847: The fruit of the peach tree is known to be allergenic. There is one report of 70 subjects with peach pollen allergy.

PMID 14564363 AND 14564362 report on pollen verses food allergies. The major allergen in pollen from the peach tree is profilin, which cross-reacts with profilin from many other tree pollens.

PMID 12823124 notes that peach fruit contains profiling and that profiin has a potential role in grass pollen-associated allergy to peach fruit.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
961_ J Allergy Clin Immunol 112-789.pdf	14564363	Fernando-Rivas, M	2003
954_ J Clin Allergy Immunol 104-688.pdf	10482847	Cuesta-Herranz, J.	1999
961_ J Allergy Clin Immunol 112-784.pdf	14564362	Ma, S.	2003
961_ Allergy 58-635.pdf	12823124	Rodríguez-Perez, R.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 962 - Pollens - Trees, Pear Pyrus communis

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Pear; Pyrus communis

Google: Pear pollen allergy

AllAllergy.net: Pear trees

Nomenclature

According to ITIS, the scientific name is Pyrus communis (TSN 25295). Common names are common pear and pear. The genus, species, and common names are correct. The Pyrus genus is found in the Rosaceae family.

Parent Product

962 - Pollens - Trees, Pear Pyrus communis

Published Data

No supportive data were identified.

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 963 - Pollens - Trees, Pecan *Carya illinoensis*

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Pecan tree allergy; *Carya illinoensis*
Google: pecan pollen allergy

Nomenclature

According to ITIS, the scientific name is *Carya illinoensis* (TSN 19234). Common name is pecan. The genus, species, and current names are correct. Synonyms are *Carya oliviformis*, *Carya pecan*, and *Hicoria pecan*. The *Carya* genus is found in the Juglandaceae family.

Parent Product

963 - Pollens - Trees, Pecan *Carya illinoensis*

Related Products

964 - Pollens - Trees, Pecan *Carya pecan*

Published Data

PMID 8729670: Positive skin prick test to pecan was shown in 46 (11.6%) of atopic participants.
PMID 12221895: Two hundred seventy-three subjects were examined for hickory (*Carya pecan*) pollen allergy. A prevalence of 27.1% was observed. Elm and hickory RAST scores showed some correlation ($p = 0.76$)

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
963_ AllergyNet pecan pollen.pdf	--	allallergy.net	2006
963_ Harefuah 126-305.pdf	8194783	Waisel, Y	1994
963_ Clin Exp Allergy 26-323.pdf	8729670	M. Rachmiel	1996
883_ Asthma Allergy Proc 23-253.pdf	12221895	Lin, R.Y.	2002

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 964 - Pollens - Trees, Pecan Carya pecan

Recommended Scientific Name Carya illinoensis

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Pecan tree allergy; Carya illinoensis

Google: pecan pollen allergy

Nomenclature

According to ITIS, the current name of Carya pecan is Carya illinoensis (TSN 19234). Common name is pecan. The genus, species, and current names are correct. Synonyms are Carya oliviformis, Carya pecan, and Hicoria pecan. The Carya genus is found in the Juglandaceae family.

Parent Product

963 - Pollens - Trees, Pecan Carya illinoensis

Related Products

964 - Pollens - Trees, Pecan Carya pecan

Published Data

PMID 8729670: Positive skin prick test to pecan was shown in 46 (11.6%) of atopic participants.

PMID 12221895: Two hundred seventy-three subjects were examined for hickory (Carya pecan) pollen allergy. A prevalence of 27.1% was observed. Elm and hickory RAST scores showed some correlation (p = 0.76)

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
963_ AllergyNet pecan pollen.pdf	--	allallergy.net	2006
954_ Harefuah 126-305.pdf	8194783	Waisel, Y	1994
963_ Clin Exp Allergy 26-323.pdf	8729670	M. Rachmiel	1996
883_ Asthma Allergy Proc 23-253.pdf	12221895	Lin, R.Y.	2002

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 965 - Pollens - Trees, Pepper Tree, Brazilian Schinus terebinthifolius

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Schinus terebinthifolius
Google: pepper + tree+ pollen

Nomenclature

According to ITIS, the scientific name is Schinus terebinthifolius (TSN 28812). Common names are brazil peppertree, Brazilian peper-tree, Brazilian pepper-tree, Brazilian peppertree, Christmas berry, Christmasberry, Florida holly, and warui. The genus, species, and common names are correct. One variety, Schinus terebinthifolius var. raddianus, was listed. The Schinus genus is found in the Anacardiaceae family.

Parent Product

965 - Pollens - Trees, Pepper Tree, Brazilian Schinus terebinthifolius

Published Data

The only report (PMID 9491227) of pepper allergy refers to spice syndromes.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
965_ AllergyNet pepper pollen.pdf	--	allallergy	2006
965_ Allergy 53-36.pdf.pdf	9491227	Leitner, A	1998

<u>Panels:</u>	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

Product: 966 - Pollens - Trees, Pepper Tree, California Schinus molle

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Pepper tree allergy; Schinus and allergy
Google: Pepper tree allergy
Plant database: schinus molle

Nomenclature

According to ITIS, the scientific name is Schinus molle (TSN 28811). Common names are American pepper, escobilla, false pepper, molle del Peru, pepper tree, peppertree, and Peruvian peppertree. The genus, species, and common names are correct. One variety, Schinus terebinthifolius var. raddianus, was listed. The Schinus genus is found in the Anacardiaceae family.

Parent Product

967 - Pollens - Trees, Pepper Tree, Schinus molle

Related Products

966 - Pollens - Trees, Pepper Tree, California Schinus molle

Published Data

The only report (PMI 9491227) of pepper allergy refers to spice syndromes.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
965_ Allergy 53-36.pdf.pdf	9491227	Leitner, A	1998
965_ AllergyNet pepper pollen.pdf	--	allallergy	2006

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

Product: 967 - Pollens - Trees, Pepper Tree, Schinus molle

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: Pepper tree allergy; Schinus and allergy
Google: Pepper tree allergy
PLANTS database: schinus molle

Nomenclature

According to ITIS, the scientific name is Schinus molle (TSN 28811). Common names are American pepper, escobilla, false pepper, molle del Peru, pepper tree, peppertree, and Peruvian peppertree. The genus, species, and common names are correct. One variety, Schinus terebinthifolius var. raddianus, was listed. The Schinus genus is found in the Anacardiaceae family.

Parent Product

967 - Pollens - Trees, Pepper Tree, Schinus molle

Related Products

966 - Pollens - Trees, Pepper Tree, California Schinus molle

Published Data

The only report (PMID 9491227) of pepper allergy refers to spice syndromes.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
965_Allergy 53-36.pdf.pdf	9491227	Leitner, A	1998
965_AllergyNet pepper pollen.pdf	--	allallergy	2006

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

Product: 968 - Pollens - Trees, Pine, Austrain Pinus nigra

Manufacturers of this Product

Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Pine tree allergy
Allergynet

Google: pine pollen allergy; pine pollen allergy adverse; pine pollen allergen; pine pollen allergen adverse; same search results performed for Pinus nigra

Nomenclature

According to ITIS, the scientific name is Pinus nigra (TSN 183364). The genus and species are correct. The common name is 'Austraian pine' not 'Austrain pine'. This tree is also called european black pine. Synonym is Pinus nigra var. austriaca. The Pinus genus is found in the Pinaceae family.

Parent Product

968 - Pollens - Trees, Pine, Austrain Pinus nigra

Related Products

972 - Pollens - Trees, Pine, Austrian Pinus nigra
973 - Pollens - Trees, Pine, Black

Published Data

PMIDs 9062624 and 3605799, reports on pollinosis due to Australian pine (Casuarina). Skin testing and RAST testing were performed using Casuarina extracts.

used Pinus radiata to diagnose atopic patients with rhinitis and/or asthma. Five out of 155 patients were skin test positive to P. radiata pollen.

PMID 4061974. Twelve out of 1354 (1.5%) of atopic patients had positive skin tests to either P. ponderosa or P. edulis.

PMID 11476460. Atopic patients were skin tested with a battery of allergens including P. sylvestris and P. radiata. The total and specific IgE were calculated for Pinus pollen sensitive patients.

PMID 7622759 Between 2-7% of patients tested positive to skin prick tests with P. sylvestris, P. halepensis, P. pinea, and P. pinaster.

PMID 3412292, two of six patients that were skin prick test positive were positive to nasal challenge.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
968_ Allergol et Immunopath 33-192.pdf	16045856	Loureiro, G.	371
968_ Allergy 52-11.pdf.pdf	9062624	García, J.J.	1997
968_ AllergyNet Pinus nigra.pdf	--	allallergy.net	2006
968_ AllergyNet Pinus radiata.pdf	--	allallergy.net	2006
968_ AllergyNet Pinus strobus.pdf	--	allallergy.net	2006
968_ Ann Allergy 55-678.pdf	4061974	Harris, RM	1985
968_ Ann Allergy 59-52.pdf.pdf	3605799	Bucholtz, G.A.	1987
968_ Ann Allergy 70-491.pdf.pdf	8507046	Freeman, G.L.	1993
968_ Ann Allergy Asthma Immunol 87-39.pdf	11476460	Marcos, C	2001
968_ J Allergy Clin Immunol 096-015.pdf	7622759	Subiza, J.	1995
968_ NER Allergy Proc 09-233.pdf	3412292	Kalliel, J.N.	1988

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 969 - Pollens - Trees, Pine, Australian (Beefwood) Casuarina equisetifolia

Recommended Common Name Pine, Australian

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: Casuarina + allergy

Google: Casuarina + allergy

<http://www.immunocapinvitrosight.com/>

Nomenclature

According to ITIS, the scientific name is Casuarina equisetifolia (TSN 19516). The genus and species are correct. The common name is listed as 'Australian pine' not 'Australian Beefwood pine'. Additional common names are: beach sheoak and common ironwood. Synonym is Casuarina litorea. The Casuarina genus is found in the Casuarinaceae family.

Parent Product

969 - Pollens - Trees, Pine, Australian (Beefwood) Casuarina equisetifolia

Related Products

741 - Pollens - Trees, Beefwood-Australian Pine Casuarina equisetifolia

Published Data

Panel 1 reported (pg 3152) on study using Casuarina pollen extracts in patients with Casuarina pollinosis. Three patients were skin test positive to Casuarina pollen extract. Passive transfer of serum in two patients was positive. One patient had a positive out-of-season nasal provocation test.

PMID 9062624 and 3605799, reports on pollinosis due to Australian pine (Casuarina). Skin testing and RAST testing were performed using Casuarina extracts.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
969_ Allergy 52-11.pdf.pdf	9062624	García, J.J.	1997
969_ Ann Allergy 59-52.pdf.pdf	3605799	Bucholtz, G.A.	1987

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 970 - Pollens - Trees, Pine, Australian Casuarina spp.

Recommended Scientific Name Casuarina, (species to be specified)

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: Pine tree allergy, Casuarina allergy

Google: pine pollen allergy; pine pollen allergy adverse; pine pollen allergen; pine pollen allergen adverse; same search results performed for Casuarina

Nomenclature

According to ITIS, there are four species within the Casuarina genus (TSN 19514). The Casuarina genus is found in the Casuarinaceae family.

Parent Product

970 - Pollens - Trees, Pine, Australian Casuarina spp.

Published Data

Panel 1 reported (pg 3152) on study using Casuarina pollen extracts in patients with Casuarina pollinosis. Three patients were skin test positive to Casuarina pollen extract. Passive transfer of serum in two patients was positive. One patient had a positive out-of-season nasal provocation test.

PMIs 906262 and 3605799, reports on pollinosis due to Australian pine (Casuarina). Skin testing and RAST testing were performed using Casuarina extracts.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
969_ Allergy 52-11.pdf.pdf	9062624	García, J.J.	1997
969_ Ann Allergy 59-52.pdf.pdf	3605799	Bucholtz, G.A.	1987

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 971 - Pollens - Trees, Pine, Australian-She-Oak, Swamp Casuarina glauca

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Casuarina glauca

Google: Casuarina glauca + allergy

Nomenclature

According to ITIS, the scientific name is Casuarina glauca (TSN 19517). The genus and species are correct. The common name is listed as 'gray sheoak' not 'Australian-She-Oak pine'. Additional common names are: longleaf ironwood, saltmarsh ironwood, and swamp oak. The Casuarina genus is found in the Casuarinaceae family.

Parent Product

971 - Pollens - Trees, Pine, Australian-She-Oak, Swamp Casuarina glauca

Published Data

Panel 1 reported (pg 3152) on study using Casuarina pollen extracts in patients with Casuarina pollinosis. Three patients were skin test positive to Casuarina pollen extract. Passive transfer of serum in two patients was positive. One patient had a positive out-of-season nasal provocation test.

PMIs 906262andD 3605799, reports on pollinosis due to Australian pine (Casuarina). Skin testing and RAST testing were performed using Casuarina extracts.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
969_ Allergy 52-11.pdf.pdf	9062624	García, J.J.	1997
969_ Ann Allergy 59-52.pdf.pdf	3605799	Bucholtz, G.A.	1987

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 972 - Pollens - Trees, Pine, Austrian Pinus nigra

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Pine tree allergy

Allergynet

Google: : pine pollen allergy; pine pollen allergy adverse; pine pollen allergen; pine pollen allergen adverse; same search results performed for Pinus nigra

Nomenclature

According to ITIS, the scientific name is Pinus nigra (TSN 183364). The genus and species are correct. The common name is 'Austraian pine' not 'Austrain pine'. This tree is also called european black pine. Synonym is Pinus nigra var. austriaca. The Pinus genus is found in the Pinaceae family.

Parent Product

968 - Pollens - Trees, Pine, Austrain Pinus nigra

Related Products

972 - Pollens - Trees, Pine, Austrian Pinus nigra

973 - Pollens - Trees, Pine, Black

Published Data

PMID 9062624 and 3605799, reports on pollinosis due to Australian pine (Casuarina). Skin testing and RAST testing were performed using Casuarina extracts.

used Pinus radiata to diagnose atopic patients with rhinitis and/or asthma. Five out of 155 patients were skin test positive to P. radiata pollen.

PMID 4061974. Twelve out of 1354 (1.5%) of atopic patients had positive skin tests to either P. ponderosa or P. edulis.

PMID 11476460. Atopic patients were skin tested with a battery of allergens including P. sylvestris and P. radiata. The total and specific IgE were calculated for Pinus pollen sensitive patients.

PMID 7622759 Between 2-7% of patients tested positive to skin prick tests with P. sylvestris, P. halepensis, P. pinea, and P. pinaster.

PMID 3412292, two of six patients that were skin prick test positive were positive to nasal challenge

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
969_ Ann Allergy 59-52.pdf.pdf	3605799	Bucholtz, G.A.	1987
969_ Allergy 52-11.pdf.pdf	9062624	García, J.J.	1997

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 973 - Pollens - Trees, Pine, Black

Recommended Scientific Name Pinus nigra

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Pine tree allergy, Pinus allergy

Google: pine pollen allergy; pine pollen allergy adverse; pine pollen allergen; pine pollen allergen adverse; same search results performed for Pinus

Nomenclature

According to ITIS, there are five genus and species with the common name 'black pine: Pinus banksiana, Pinus contorta ssp. latifolia, Pinus jeffreyi, Pinus nigra, and Pinus thunbergiana. The Pinus genus is found in the Pinaceae family.

Parent Product

968 - Pollens - Trees, Pine, Austrain Pinus nigra

Related Products

972 - Pollens - Trees, Pine, Austrian Pinus nigra

973 - Pollens - Trees, Pine, Black

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 974 - Pollens - Trees, Pine, Canary Island Pinus canariensis

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Pine tree allergy
Allergynet

Google: pine pollen allergy; pine pollen allergy adverse; pine pollen allergen; pine pollen allergen adverse; same search results performed for Pinus canariensis

Nomenclature

According to ITIS, the scientific name is Pinus canariensis (TSN 565621). Common name is Canary Island pine. The genus, species, and common names are correct. The Pinus genus is found in the Pinaceae family.

Parent Product

974 - Pollens - Trees, Pine, Canary Island Pinus canariensis

Published Data

PMID 12897724: The pine family, Pinaceae, contains pines (Pinus spp), spruces (Picea spp), hemlocks (Tsuga spp), and firs (Abies spp, Pseudotsuga). Some rapidly eluted proteins from Monterey Pine (Pinus radiata) are able to modestly inhibit solid phase perennial ryegrass (Lolium perenne) RAST discs. While initially perplexing, this cross-reactivity, however modest, probably reflects panallergens such as the profilins.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
783_JACI 112-229.pdf	12897724	Weber, R.W.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 975 - Pollens - Trees, Pine, Digger Pinus sabiniana

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

Crescentbloom.com
plants.usda.gov

PubMed: Pinus sabiniana

Google: pine pollen allergy; pine pollen allergy adverse; pine pollen allergen; pine pollen allergen adverse; same search results performed for Pinus sabiniana

Nomenclature

According to ITIS, the scientific name is Pinus sabiniana (TSN 183377). Common names are bull pine, California foothill pine, digger pine, and gray pine. The genus, species, and common names are correct. The Pinus genus is found in the Pinaceae family.

Parent Product

975 - Pollens - Trees, Pine, Digger Pinus sabiniana

Published Data

PMI 12897724: The pine family, Pinaceae, contains pines (Pinus spp), spruces (Picea spp), hemlocks (Tsuga spp), and firs (Abies spp, Pseudotsuga). Some rapidly eluted proteins from Monterey Pine (Pinus radiata) are able to modestly inhibit solid phase perennial ryegrass (Lolium perenne) RAST discs. While initially perplexing, this cross-reactivity, however modest, probably reflects panallergens such as the profilins.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
783_JACI 112-229.pdf	12897724	Weber, R.W.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 976 - Pollens - Trees, Pine, Italian Stone

Recommended Scientific Name Pinus pinea

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

plants.usda.gov: Italian Stone Pine

Nomenclature

According to ITIS, the common name of Italian Stone Pine is only associated with Pinus pinea (TSN 506604). The Pinus genus is found in the Pinaceae family.

Parent Product

976 - Pollens - Trees, Pine, Italian Stone

Published Data

PMID 10780800: Specific IgE against pine pollen was determined by RAST method. The reported case was slightly positive for pine pollen (class 1).

PMID 1287724: The pine family, Pinaceae, contains pines (Pinus spp), spruces (Picea spp), hemlocks (Tsuga spp), and firs (Abies spp, Pseudotsuga). Some rapidly eluted proteins from Monterey Pine (Pinus radiata) are able to modestly inhibit solid phase perennial ryegrass (Lolium perenne) RAST discs. While initially perplexing, this cross-reactivity, however modest, probably reflects panallergens such as the profilins.'

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
783_JACI 112-229.pdf	12897724	Weber, R.W.	2003
976_InvestAllergClinImm 10-44.pdf	10780800	Senna, G.	2000

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 977 - Pollens - Trees, Pine, Jack pinus banksiana

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

plants.usda.gov

PubMed: Pinus banksiana

Google: pine pollen allergy; pine pollen allergy adverse; pine pollen allergen; pine pollen allergen adverse; same search results performed for Pinus banksiana

Nomenclature

According to ITIS, the scientific name is Pinus banksiana (TSN 183319). Common names are black pine, gray pine, Hudson bay pine, jack pine, and scrub pine. The genus, species, and common names are correct. Synonym is Pinus divaricata. The Pinus genus is found in the Pinaceae family.

Parent Product

977 - Pollens - Trees, Pine, Jack pinus banksiana

Published Data

PMI 12897724: 'The pine family, Pinaceae, contains pines (Pinus spp), spruces (Picea spp), hemlocks (Tsuga spp), and firs (Abies spp, Pseudotsuga). Some rapidly eluted proteins from Monterey Pine (Pinus radiata) are able to modestly inhibit solid phase perennial ryegrass (Lolium perenne) RAST discs. While initially perplexing, this cross-reactivity, however modest, probably reflects panallergens such as the profilins.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
783_JACI 112-229.pdf	12897724	Weber, R.W.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 978 - Pollens - Trees, Pine, Japanese Black Pinus thumbergi

Recommended Scientific Name Pinus thunbergii

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

Plants.usda.gov

PubMed: Pinus thumbergi

Google: pine pollen allergy; pine pollen allergy adverse; pine pollen allergen; pine pollen allergen adverse; same search results performed for Pinus thumbergi and Pinus thunbergiana

Nomenclature

According to ITIS, the correct spelling of Pinus thumbergi is Pinus thunbergii. Common name is Japanese black pine. The common name is correct and current. The scientific name needs to be updated. Synonym is Pinus thunbergiana. The Pinus genus is found in the Pinaceae family.

Parent Product

979 - Pollens - Trees, Pine, Japanese Black Pinus thunbergiana

Related Products

978 - Pollens - Trees, Pine, Japanese Black Pinus thumbergi

Published Data

PMID 12897724: Weber states "The pine family, Pinaceae, contains pines (Pinus spp), spruces (Picea spp), hemlocks (Tsuga spp), and firs (Abies spp, Pseudotsuga). Some rapidly eluted proteins from Monterey Pine (Pinus radiata) are able to modestly inhibit solid phase perennial ryegrass (Lolium perenne) RAST discs. While initially perplexing, this cross-reactivity, however modest, probably reflects panallergens such as the profilins."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
783_JACI 112-229.pdf	12897724	Weber, R.W.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 979 - Pollens - Trees, Pine, Japanese Black Pinus thunbergiana

Recommended Scientific Name Pinus thunbergii

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: Pine tree allergy; Pinus thunbergiana

Allergynet

Google: pine pollen allergy; pine pollen allergy adverse; pine pollen allergen; pine pollen allergen adverse; same search results performed for Pinus thunbergiana

Nomenclature

According to ITIS, the current scientific name of Pinus thunbergiana is Pinus thunbergii. Common name is Jamapnese black pine. The Pinus genus is found in the Pinaceae family.

Parent Product

979 - Pollens - Trees, Pine, Japanese Black Pinus thunbergiana

Related Products

978 - Pollens - Trees, Pine, Japanese Black Pinus thumbergi

Published Data

PMID 12897724: 'The pine family, Pinaceae, contains pines (Pinus spp), spruces (Picea spp), hemlocks (Tsuga spp), and firs (Abies spp, Pseudotsuga). Some rapidly eluted proteins from Monterey Pine (Pinus radiata) are able to modestly inhibit solid phase perennial ryegrass (Lolium perenne) RAST discs. While initially perplexing, this cross-reactivity, however modest, probably reflects panallergens such as the profilins.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
783_JACI 112-229.pdf	12897724	Weber, R.W.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 980 - Pollens - Trees, Pine, Japanese Red Pinus densiflora

Recommended Scientific Name Pinus, (species to be specified)

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

plants.usda.gov

PubMed: Pinus densiflora + allergy

Google: pine pollen allergy; pine pollen allergy adverse; pine pollen allergen; pine pollen allergen adverse; same search results performed for Pinus densiflora

Nomenclature

The genus, species or common names are not listed in ITIS. The Pinus genus is found in the Pinaceae family.

Parent Product

980 - Pollens - Trees, Pine, Japanese Red Pinus densiflora

Published Data

PMID 12897724: 'The pine family, Pinaceae, contains pines (Pinus spp), spruces (Picea spp), hemlocks (Tsuga spp), and firs (Abies spp, Pseudotsuga). Some rapidly eluted proteins from Monterey Pine (Pinus radiata) are able to modestly inhibit solid phase perennial ryegrass (Lolium perenne) RAST discs. While initially perplexing, this cross-reactivity, however modest, probably reflects panallergens such as the profilins.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
783_JACI 112-229.pdf	12897724	Weber, R.W.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 981 - Pollens - Trees, Pine, Loblolly Pinus taeda

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

plants.usda.gov
PubMed: Pinus taeda
Google: pine pollen allergy; pine pollen allergy adverse; pine pollen allergen; pine pollen allergen adverse; same search results performed for Pinus taeda

Nomenclature

According to ITIS, the scientific name is Pinus taeda (TSN 18037). Common name is loblolly pine. The genus, species, and common names are correct. The Pinus genus is found in the Pinaceae family.

Parent Product

981 - Pollens - Trees, Pine, Loblolly Pinus taeda

Published Data

PMID 12897724: 'The pine family, Pinaceae, contains pines (Pinus spp), spruces (Picea spp), hemlocks (Tsuga spp), and firs (Abies spp, Pseudotsuga). Some rapidly eluted proteins from Monterey Pine (Pinus radiata) are able to modestly inhibit solid phase perennial ryegrass (Lolium perenne) RAST discs. While initially perplexing, this cross-reactivity, however modest, probably reflects panallergens such as the profilins.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
783_JACI 112-229.pdf	12897724	Weber, R.W.	2003

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 982 - Pollens - Trees, Pine, Lodgepole Pinus contorta

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

plants.usda.gov

PubMed: Pinus contorta + allergy

Google: pine pollen allergy; pine pollen allergy adverse; pine pollen allergen; pine pollen allergen adverse; same search results performed for Pinus contorta

Nomenclature

According to ITIS, the scientific name is Pinus contorta (TSN 183327). Common names are lodgepole pine, scrub pine, shore pine, and tamarack pine. The genus, species, and common names are correct. Four varieties are bolanderi, contorta, latifolia, and murrayana. The Pinus genus is found in the Pinaceae family.

Parent Product

982 - Pollens - Trees, Pine, Lodgepole Pinus contorta

Published Data

PMID 12897724: 'The pine family, Pinaceae, contains pines (Pinus spp), spruces (Picea spp), hemlocks (Tsuga spp), and firs (Abies spp, Pseudotsuga). Some rapidly eluted proteins from Monterey Pine (Pinus radiata) are able to modestly inhibit solid phase perennial ryegrass (Lolium perenne) RAST discs. While initially perplexing, this cross-reactivity, however modest, probably reflects panallergens such as the profilins.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
783_JACI 112-229.pdf	12897724	Weber, R.W.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 983 - Pollens - Trees, Pine, Longleaf Pinus palustris

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

plants.usda.gov

PubMed: Pinus palustris + allergy

Google: pine pollen allergy; pine pollen allergy adverse; pine pollen allergen; pine pollen allergen adverse; same search results performed for Pinus palustris

Nomenclature

According to ITIS, the scientific name is Pinus palustris (TSN 18038). Common name is longleaf pine. The genus, species, and common names are correct. Synonym is Pinus australis. The Pinus genus is found in the Pinaceae family.

Parent Product

983 - Pollens - Trees, Pine, Longleaf Pinus palustris

Published Data

PMID 12897724: 'The pine family, Pinaceae, contains pines (Pinus spp), spruces (Picea spp), hemlocks (Tsuga spp), and firs (Abies spp, Pseudotsuga). Some rapidly eluted proteins from Monterey Pine (Pinus radiata) are able to modestly inhibit solid phase perennial ryegrass (Lolium perenne) RAST discs. While initially perplexing, this cross-reactivity, however modest, probably reflects panallergens such as the profilins.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
783_JACI 112-229.pdf	12897724	Weber, R.W.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 984 - Pollens - Trees, Pine, Mexican Pinion Pinus cemboides

Recommended Common Name Mexican Pinyon

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

plants.usda.gov

PubMed: Pinus cembroides

Google: pine pollen allergy; pine pollen allergy adverse; pine pollen allergen; pine pollen allergen adverse; same search results performed for Pinus cembroides

Nomenclature

According to ITIS, the correct spelling of Pinus cemboides is Pinus cembroides (TSN 183321). Common names are Mexican pinyon, nut pine and stone pine. The Pinus genus is found in the Pinaceae family.

Parent Product

984 - Pollens - Trees, Pine, Mexican Pinion Pinus cemboides

Published Data

PMID 12897724: 'The pine family, Pinaceae, contains pines (Pinus spp), spruces (Picea spp), hemlocks (Tsuga spp), and firs (Abies spp, Pseudotsuga). Some rapidly eluted proteins from Monterey Pine (Pinus radiata) are able to modestly inhibit solid phase perennial ryegrass (Lolium perenne) RAST discs. While initially perplexing, this cross-reactivity, however modest, probably reflects panallergens such as the profilins.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
783_JACI 112-229.pdf	12897724	Weber, R.W.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 985 - Pollens - Trees, Pine, Mix Pinus spp.

Recommended Scientific Name Pinus, (species to be specified)

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: Pine tree allergy, Pinus allergy

Google: pine pollen allergy; pine pollen allergy adverse; pine pollen allergen; pine pollen allergen adverse; same search results performed for Pinus

Nomenclature

According to ITIS, the Pinus genus is found in the Pinaceae family. This is a mixed species.

Parent Product

985 - Pollens - Trees, Pine, Mix Pinus spp.

Published Data

PMID 12897724: 'The pine family, Pinaceae, contains pines (Pinus spp), spruces (Picea spp), hemlocks (Tsuga spp), and firs (Abies spp, Pseudotsuga). Some rapidly eluted proteins from Monterey Pine (Pinus radiata) are able to modestly inhibit solid phase perennial ryegrass (Lolium perenne) RAST discs. While initially perplexing, this cross-reactivity, however modest, probably reflects panallergens such as the profilins.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
783_JACI 112-229.pdf	12897724	Weber, R.W.	2003

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	Category I
<u>Therapy:</u>	none	Category II

Product: 986 - Pollens - Trees, Pine, Monterey Pinus radiata

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

plants.usda.gov, Crescentbloom.com
PubMed: pinus radiata

Google: pine pollen allergy; pine pollen allergy adverse; pine pollen allergen; pine pollen allergen adverse; same search results performed for Pinus radiata

Nomenclature

According to ITIS, the scientific name is Pinus radiata (TSN 183372). Common names are insignis pine and Monterey pine. The genus, species, and common names are correct. Synonyms are Pinus insignis and Pinus radiata var. binata. The Pinus genus is found in the Pinaceae family.

Parent Product

986 - Pollens - Trees, Pine, Monterey Pinus radiata

Published Data

PMID 14677902 states that Lolium perenne is cross-reactive with P. radiata.

PMID 160458567.5% of 371 patients tested positive to Pinus radiata

PMID 4061974 Five of the 155 patients showed positive skin test reactivity to P. radiata extract.

PMID 1287724: Weber states 'The pine family, Pinaceae, contains pines (Pinus spp), spruces (Picea spp), hemlocks (Tsuga spp), and firs (Abies spp, Pseudotsuga). Some rapidly eluted proteins from Monterey Pine (Pinus radiata) are able to modestly inhibit solid phase perennial ryegrass (Lolium perenne) RAST discs. While initially perplexing, this cross-reactivity, however modest, probably reflects panallergens such as the profilins.'

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
969_ Ann Allergy 55-678.pdf	4061974	Harris, RM	1985
783_ JACI 112-229.pdf	12897724	Weber, R.W.	2003
968_ Allergol et Immunopath 33-192.pdf	16045856	Loureiro, G.	371
766_ AnnAgricEnvironMed 10-131.pdf	14677902	Singh, A.B.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 987 - Pollens - Trees, Pine, Norfolk Island Araucaria excelsa

Recommended Common Name Pine, New Caledonia

Recommended Scientific Name Araucaria excelsa

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)

Search Strategy

PubMed: Pine tree allergy; Araucaria excelsa; Araucaria columnaris

Allergynet

Google: pine pollen allergy; pine pollen allergy adverse; pine pollen allergen; pine pollen allergen adverse; same search results performed for Araucaria excelsa and Araucaria columnaris

Nomenclature

According to ITIS, the correct name of Araucaria excelsa is Araucaria excelsa. The current name of Araucaria excelsa is Araucaria columnaris (TSN 506780). Common name is New Caledonia pine. Norfolk Island pine is not listed in ITIS. The Araucaria genus is found in the Araucariaceae family.

Parent Product

987 - Pollens - Trees, Pine, Norfolk Island Araucaria excelsa

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 988 - Pollens - Trees, Pine, Pinyon Pinus edulis

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

Crescentbloom.com, plants.usda.com

PubMed: pinus edulis

Google: pine pollen allergy; pine pollen allergy adverse; pine pollen allergen; pine pollen allergen adverse; same search results performed for Pinus edulis

Nomenclature

According to ITIS, the scientific name is Pinus edulis (TSN 183336). Common names are Colorado pinyon, nut pine, pinon pine, pinyon, two-leaf pinyon, two-needle pinyon, and twoneedle pinyon. The genus, species and common names are correct. Synonym is Pinus cembroides var. edulis. The Pinus genus is found in the Pinaceae family.

Parent Product

988 - Pollens - Trees, Pine, Pinyon Pinus edulis

Published Data

PID 12897724: 'The pine family, Pinaceae, contains pines (Pinus spp), spruces (Picea spp), hemlocks (Tsuga spp), and firs (Abies spp, Pseudotsuga). Some rapidly eluted proteins from Monterey Pine (Pinus radiata) are able to modestly inhibit solid phase perennial ryegrass (Lolium perenne) RAST discs. While initially perplexing, this cross-reactivity, however modest, probably reflects panallergens such as the profilins.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
783_JACI 112-229.pdf	12897724	Weber, R.W.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 989 - Pollens - Trees, Pine, Pitch Pinus rigida

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

plants.usda.gov, crescentbloom.com

PubMed: pinus rigida + allergy

Google: pine pollen allergy; pine pollen allergy adverse; pine pollen allergen; pine pollen allergen adverse; same search results performed for Pinus rigida

Nomenclature

According to ITIS, the scientific name is Pinus rigida (TSN 183376). Common name is pitch pine. The genus, species, and common names are correct. The Pinus genus is found in the Pinaceae family.

Parent Product

989 - Pollens - Trees, Pine, Pitch Pinus rigida

Published Data

PMID 12897724: 'The pine family, Pinaceae, contains pines (Pinus spp), spruces (Picea spp), hemlocks (Tsuga spp), and firs (Abies spp, Pseudotsuga). Some rapidly eluted proteins from Monterey Pine (Pinus radiata) are able to modestly inhibit solid phase perennial ryegrass (Lolium perenne) RAST discs. While initially perplexing, this cross-reactivity, however modest, probably reflects panallergens such as the profilins

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
783_JACI 112-229.pdf	12897724	Weber, R.W.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 990 - Pollens - Trees, Pine, Ponderosa Pinus ponderosa

Manufacturers of this Product

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Search Strategy

PubMed: Pine tree allergy; Pinus ponderosa

Allergynet

Google: pine pollen allergy; pine pollen allergy adverse; pine pollen allergen; pine pollen allergen adverse; same search results performed for Pinus ponderosa

Nomenclature

According to ITIS, the scientific name is Pinus ponderosa (TSN 183365). Common names are blackjack pine, bull pine, pinabete, ponderosa pine, rock pine, and western yellow pine. The scientific and common names are correct and current. There are two varieties of P. ponderosa: ponderosa and scopulorum. The Pinus genus is found in the Pinaceae family.

Parent Product

997 - Pollens - Trees, Pine, Western Yellow Pinus ponderosa

Related Products

990 - Pollens - Trees, Pine, Ponderosa Pinus ponderosa

Published Data

PMID 12897724: Weber states "The pine family, Pinaceae, contains pines (Pinus spp), spruces (Picea spp), hemlocks (Tsuga spp), and firs (Abies spp, Pseudotsuga). Some rapidly eluted proteins from Monterey Pine (Pinus radiata) are able to modestly inhibit solid phase perennial ryegrass (Lolium perenne) RAST discs. While initially perplexing, this cross-reactivity, however modest, probably reflects panallergens such as the profilins."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
783_JACI 112-229.pdf	12897724	Weber, R.W.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 991 - Pollens - Trees, Pine, Red Pinus resinosa

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: Pine tree allergy; Pinus resinosa
Allergynet

Google: pine pollen allergy; pine pollen allergy adverse; pine pollen allergen; pine pollen allergen adverse; same search results performed for Pinus resinosa

Nomenclature

According to ITIS, the scientific name is Pinus resinosa (TSN 183375). Common names are Norway pine and red pine. The genus, species, and common names are correct. The Pinus genus is found in the Pinaceae family.

Parent Product

991 - Pollens - Trees, Pine, Red Pinus resinosa

Published Data

PMID 12897724: The pine family, Pinaceae, contains pines (Pinus spp), spruces (Picea spp), hemlocks (Tsuga spp), and firs (Abies spp, Pseudotsuga). Some rapidly eluted proteins from Monterey Pine (Pinus radiata) are able to modestly inhibit solid phase perennial ryegrass (Lolium perenne) RAST discs. While initially perplexing, this cross-reactivity, however modest, probably reflects panallergens such as the profilins

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
783_JACI 112-229.pdf	12897724	Weber, R.W.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 992 - Pollens - Trees, Pine, Scotch Pinus sylvestris

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Pine tree allergy; Pinus sylvestris

Allergynet

Google pine pollen allergy; pine pollen allergy adverse; pine pollen allergen; pine pollen allergen adverse; same search results performed for Pinus sylvestris

Nomenclature

According to ITIS, the scientific name is Pinus sylvestris (TSN 183389). Common names are Scotch pine and Scots pine. The genus, species, and common names are correct. The Pinus genus is found in the Pinaceae family.

Parent Product

992 - Pollens - Trees, Pine, Scotch Pinus sylvestris

Published Data

PMID 15783130 notes that 11 (2.0%) of allergic rhinitis patients had positive skin tests with Pinus sylvestris extracts.

PMID 12897724: The pine family, Pinaceae, contains pines (Pinus spp), spruces (Picea spp), hemlocks (Tsuga spp), and firs (Abies spp, Pseudotsuga). Some rapidly eluted proteins from Monterey Pine (Pinus radiata) are able to modestly inhibit solid phase perennial ryegrass (Lolium perenne) RAST discs. While initially perplexing, this cross-reactivity, however modest, probably reflects panallergens such as the profilins.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
783_JACI 112-229.pdf	12897724	Weber, R.W.	2003
813_AsPacJAllImm-22-183.pdf	15783130	Yazicioglu, M.	2004
1001_J Allergy Clin Invest 100-748.pdf	9438481	Varela, S.	1997

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 993 - Pollens - Trees, Pine, Shortleaf Pinus echinata

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Pine tree allergy; Pinus echinata

Allergynet

Google: pine pollen allergy; pine pollen allergy adverse; pine pollen allergen; pine pollen allergen adverse; same search results performed for Pinus echinata

Nomenclature

According to ITIS, the scientific name is Pinus echinata (TSN 183335). Common names are Arkansas pine, shortleaf yellow pine, shortstraw pine, shortleaf pine, shortleaf yellow pine, southern yellow pine, and yellow pine. The genus, species, and common names are correct. The Pinus genus is found in the Pinaceae family.

Parent Product

993 - Pollens - Trees, Pine, Shortleaf Pinus echinata

Related Products

1000 - Pollens - Trees, Pine, Yellow Pinus echinata

Published Data

PMID 12897724: The pine family, Pinaceae, contains pines (Pinus spp), spruces (Picea spp), hemlocks (Tsuga spp), and firs (Abies spp, Pseudotsuga). Some rapidly eluted proteins from Monterey Pine (Pinus radiata) are able to modestly inhibit solid phase perennial ryegrass (Lolium perenne) RAST discs. While initially perplexing, this cross-reactivity, however modest, probably reflects panallergens such as the profilins.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
783_JACI 112-229.pdf	12897724	Weber, R.W.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 994 - Pollens - Trees, Pine, Single Leaf Pinus monophylla

Recommended Common Name Singleleaf Pinyon

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Pine tree allergy; Pinus monophylla

Allergynet

Google: pine pollen allergy; pine pollen allergy adverse; pine pollen allergen; pine pollen allergen adverse; same search results performed for Pinus monophylla

Nomenclature

According to ITIS, the scientific name is Pinus monophylla (TSN 183353). Common names are nut pine, singleleaf pinyon, and one-leaf pine. genus, species, and common names are correct. Synonyms are Caryopitys monophylla and Pinus cembroides monophylla. There are two varieties of P. monophylla: fallax and monophylla. The Pinus genus is found in the Pinaceae family.

Parent Product

994 - Pollens - Trees, Pine, Single Leaf Pinus monophylla

Published Data

PMID 12897724: The pine family, Pinaceae, contains pines (Pinus spp), spruces (Picea spp), hemlocks (Tsuga spp), and firs (Abies spp, Pseudotsuga). Some rapidly eluted proteins from Monterey Pine (Pinus radiata) are able to modestly inhibit solid phase perennial ryegrass (Lolium perenne) RAST discs. While initially perplexing, this cross-reactivity, however modest, probably reflects panallergens such as the profilins.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
783_JACI 112-229.pdf	12897724	Weber, R.W.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 995 - Pollens - Trees, Pine, Slash Pinus elliottii

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Pine tree allergy; Pinus elliottii
Allergynet

Google: pine pollen allergy; pine pollen allergy adverse; pine pollen allergen; pine pollen allergen adverse; same search results performed for Pinus elliottii

Nomenclature

According to ITIS, the scientific name is Pinus elliottii (TSN 18036). Common name is slash pine. The genus, species, and common names are correct. There are three varieties of P. elliottii: austrokeyensis, densa, and elliottii. The Pinus genus is found in the Pinaceae family.

Parent Product

995 - Pollens - Trees, Pine, Slash Pinus elliottii

Published Data

PMID 12897724: The pine family, Pinaceae, contains pines (Pinus spp), spruces (Picea spp), hemlocks (Tsuga spp), and firs (Abies spp, Pseudotsuga). Some rapidly eluted proteins from Monterey Pine (Pinus radiata) are able to modestly inhibit solid phase perennial ryegrass (Lolium perenne) RAST discs. While initially perplexing, this cross-reactivity, however modest, probably reflects panallergens such as the profilins.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
783_JACI 112-229.pdf	12897724	Weber, R.W.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 996 - Pollens - Trees, Pine, Virginia Scrub Pinus virginiana

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Pine tree allergy; Pinus virginiana
Allergynet

Google: pine pollen allergy; pine pollen allergy adverse; pine pollen allergen; pine pollen allergen adverse; same search results performed for Pinus virginiana

Nomenclature

According to ITIS, the scientific name is Pinus virginiana (TSN 183394). Common names are Virginia pine, jersey pine, and scrub pine. The genus, species, and common names are correct. The Pinus genus is found in the Pinaceae family.

Parent Product

996 - Pollens - Trees, Pine, Virginia Scrub Pinus virginiana

Published Data

PMID 12897724: The pine family, Pinaceae, contains pines (Pinus spp), spruces (Picea spp), hemlocks (Tsuga spp), and firs (Abies spp, Pseudotsuga). Some rapidly eluted proteins from Monterey Pine (Pinus radiata) are able to modestly inhibit solid phase perennial ryegrass (Lolium perenne) RAST discs. While initially perplexing, this cross-reactivity, however modest, probably reflects panallergens such as the profilins.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
783_JACI 112-229.pdf	12897724	Weber, R.W.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 997 - Pollens - Trees, Pine, Western Yellow Pinus ponderosa

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)

Search Strategy

PubMed: Pine tree allergy; Pinus ponderosa

Allergynet

Google: pine pollen allergy; pine pollen allergy adverse; pine pollen allergen; pine pollen allergen adverse; same search results performed for Pinus ponderosa

Nomenclature

According to ITIS, the scientific name is Pinus ponderosa (TSN 183365). Common names are blackjack pine, bull pine, pinabete, ponderosa pine, rock pine, and western yellow pine. The genus, species, and common names are correct. There are two varieties of P. ponderosa: ponderosa and scopulorum. The Pinus genus is found in the Pinaceae family.

Parent Product

997 - Pollens - Trees, Pine, Western Yellow Pinus ponderosa

Related Products

990 - Pollens - Trees, Pine, Ponderosa Pinus ponderosa

Published Data

PMID 12897724: The pine family, Pinaceae, contains pines (Pinus spp), spruces (Picea spp), hemlocks (Tsuga spp), and firs (Abies spp, Pseudotsuga). Some rapidly eluted proteins from Monterey Pine (Pinus radiata) are able to modestly inhibit solid phase perennial ryegrass (Lolium perenne) RAST discs. While initially perplexing, this cross-reactivity, however modest, probably reflects panallergens such as the profilins.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
783_JACI 112-229.pdf	12897724	Weber, R.W.	2003

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 998 - Pollens - Trees, Pine, White (Eastern) Pinus strobus

Recommended Common Name Pine, Eastern White

Manufacturers of this Product

- Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
- Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
- Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
- ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
- Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
- Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Pine tree allergy; Pinus strobus
Allergynet

Google: pine pollen allergy; pine pollen allergy adverse; pine pollen allergen; pine pollen allergen adverse; same search results performed for Pinus strobus

Nomenclature

According to ITIS, the scientific name is Pinus strobus (TSN 183385). Common names are easter white pine, eastern white pine, northern white pine, soft pine, and weymouth pine. The genus, species, and common names are correct. Synonyms are Pinus chiapensis, Pinus strobus chiapensis, and Strobilus strobus. The Pinus genus is found in the Pinaceae family.

Parent Product

998 - Pollens - Trees, Pine, White (Eastern) Pinus strobus

Published Data

PMID 12897724: The pine family, Pinaceae, contains pines (Pinus spp), spruces (Picea spp), hemlocks (Tsuga spp), and firs (Abies spp, Pseudotsuga). Some rapidly eluted proteins from Monterey Pine (Pinus radiata) are able to modestly inhibit solid phase perennial ryegrass (Lolium perenne) RAST discs. While initially perplexing, this cross-reactivity, however modest, probably reflects panallergens such as the profilins.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
783_JACI 112-229.pdf	12897724	Weber, R.W.	2003

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 999 - Pollens - Trees, Pine, White (Western) Pinus monticola

Recommended Common Name Pine, White

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Pine tree allergy; Pinus monticola

Allergynet

Google: pine pollen allergy; pine pollen allergy adverse; pine pollen allergen; pine pollen allergen adverse; same search results performed for Pinus monticola

Nomenclature

According to ITIS, the scientific name is Pinus monticola (TSN 183356). Common names are western white pine, Idaho white pine, mountain white pine, and silver pine. The genus, species, and common names are correct and current. Synonyms are Pinus strobus var. monticola and Strobilus monticola. The Pinus genus is found in the Pinaceae family.

Parent Product

999 - Pollens - Trees, Pine, White (Western) Pinus monticola

Published Data

PMID 12897724: The pine family, Pinaceae, contains pines (Pinus spp), spruces (Picea spp), hemlocks (Tsuga spp), and firs (Abies spp, Pseudotsuga). Some rapidly eluted proteins from Monterey Pine (Pinus radiata) are able to modestly inhibit solid phase perennial ryegrass (Lolium perenne) RAST discs. While initially perplexing, this cross-reactivity, however modest, probably reflects panallergens such as the profilins.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
783_JACI 112-229.pdf	12897724	Weber, R.W.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 1000 - Pollens - Trees, Pine, Yellow Pinus echinata

Manufacturers of this Product

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)

Search Strategy

PubMed: Pine tree allergy; Pinus echinata

Allergynet

Google: pine pollen allergy; pine pollen allergy adverse; pine pollen allergen; pine pollen allergen adverse; same search results performed for Pinus echinata

Nomenclature

According to ITIS, the scientific name is Pinus echinata (TSN 183335). Common names are Arkansas pine, shortleaf yellow pine, shortstraw pine, shortleaf pine, shortleaf yellow pine, southern yellow pine, and yellow pine. The genus, species, and common names are correct and current. The Pinus genus is found in the Pinaceae family.

Parent Product

993 - Pollens - Trees, Pine, Shortleaf Pinus echinata

Related Products

1000 - Pollens - Trees, Pine, Yellow Pinus echinata

Published Data

PMID 12897724: The pine family, Pinaceae, contains pines (Pinus spp), spruces (Picea spp), hemlocks (Tsuga spp), and firs (Abies spp, Pseudotsuga). Some rapidly eluted proteins from Monterey Pine (Pinus radiata) are able to modestly inhibit solid phase perennial ryegrass (Lolium perenne) RAST discs. While initially perplexing, this cross-reactivity, however modest, probably reflects panallergens such as the profilins.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
783_JACI 112-229.pdf	12897724	Weber, R.W.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 1001 - Pollens - Trees, Planetree, London Platanus acerifolia

Recommended Scientific Name Platanus hybrida

Manufacturers of this Product

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: Platanus acerifolia

Google: planetree pollen allergy; planetree pollen allergy adverse; planetree pollen allergen; planetree pollen allergen adverse; same search results performed for Plantanus acerifolia

Nomenclature

According to ITIS, the current name of Platanus acerifolia is Platanus hybrida. Common names are London planetree. The common name correct and current. The scientific name needs to be updated. The genus Platanus is found in the family Platanaceae, which includes Planetree and Sycamores.

Parent Product

1001 - Pollens - Trees, Planetree, London Platanus acerifolia

Related Products

1026 - Pollens - Trees, Sycamore, Mapleleaf Platanus acerifolia

Published Data

PMID 9438481 evaluated whether Plantanus hybrida pollen is a cause of pollinosis. Thirty-three patients tested positive for P. hybrida out of 39 patients first seen at an allergy center. Only 3 out of eight patients without symptoms tested positive to skin prick test.

PMID 7889425 described three patients that had immediate response to skin tests and dual response to bronchial provocations using P. hybrida pollen extract.

PMID 12859456 describes Pla a 1 as a major allergen from P. acerifolia pollen. Forty-two allergic patients had positive skin prick tests to Plantanus extract and specific IgE levels to London plane tree pollen.

PMID 16179793 describes the development of an in vitro laboratory method. Patient sera were obtained from persons with clinical history of seasonal or perennial rhinitis, asthma, or both, and positive skin reaction to a biologically standardized commercial P. acerifolia extract.

PMID 15208603 identified a major allergen in P. acerifolia. Patient sera were obtained from persons with clinical history of seasonal or perennial rhinitis, asthma, or both, and positive skin reaction to a biologically standardized commercial P. acerifolia extract. Specific IgE levels were quantified by an ELISA.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1001_ J Allergy Clin Invest 100-748.pdf	9438481	Varela, S.	1997
1001_ Clin Exp Allergy 24-1123.pdf	7889425	Subiza, J.	1994
1001_ Clin Exp Allergy 33-978.pdf	12859456	Asturias, J.A.	2003
1001_ Int Arch Allergy Immunol 138-127.pdf	16179793	Arilla, M.C.	2005
1001_ J Allergy Clin Immunol 113-1185.pdf	15208603	Ibarrola, I.	2004

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 1002 - Pollens - Trees, Plum Prunus domestica

Recommended Common Name Plum, European

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Plum + pollen

Allergynet: Plum

Google: Plum + allergy

Nomenclature

According to ITIS, the scientific name is Prunus domestica (TSN 24774). The common name is listed as European plum. The scientific name is correct. The common name needs to be updated. Two varieties of P. domestica are listed: domestica and insititia. Prunus species is found in the Rosaceae family.

Parent Product

1002 - Pollens - Trees, Plum Prunus domestica

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 1003 - Pollens - Trees, Poplar Populus deltoides

Recommended Common Name Cottonwood, Common

Manufacturers of this Product

Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: poplar and allergy

Google: poplar pollen allergy; poplar pollen allergy adverse; poplar pollen allergen; poplar pollen allergen adverse; same search results performed for Populus deltoides

Nomenclature

According to ITIS, the scientific name, Populus deltoides (TSN 22445), is correct and current. Common names are common cottonwood, cottonwood, eastern cottonwood, and plains cottonwood. The scientific name is correct. The common name needs to be updated. One variety and three subspecies are listed for P. deltoids. This product is found in the family of Salicaceae commonly called saules or willows.

Parent Product

794 - Pollens - Trees, Cottonwood, Common Populus deltoides

Related Products

795 - Pollens - Trees, Cottonwood, Eastern Populus deltoides

1003 - Pollens - Trees, Poplar Populus deltoides

Published Data

PMIDs 12897724 and 12952099 note that there is strong cross-reactivity between Populus and Salix genus based on skin test correlations and Prausnitz-Küstner (P-K) neutralization. There is also moderate cross-reactivity between Salicaceae and Fagales members based on P-K neutralizations and passive hemagglutination inhibition.

In PMID 12221895 hypersensitivity to P. deltoides was assessed serilogically by Immunocap system and scored based on a modified radioallergosorbent test (RAST).

PMID 8766742 reports that 30 % of allergic patients was skin test positive to Populus (Poplar).

In PMID 10482847 skin prick tests were performed using Populus pollen. Fifty-three out of 57 in the peach and pollen group had positive skin prick tests and 33 out of 95 of the pollen control group was skin prick positive to Populus pollen.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1003_ Asthma Allergy Proc 23-253.pdf	12221895	Lin, R.Y.	2002
1003_ Allergol et Immunopathol 24-116.pdf	8766742	Güneser, S.	1996
961_ J Clin Allergy Immunol 104-688.pdf	10482847	Cuesta-Herranz, J.	1999
783_ JACI 112-229.pdf	12897724	Weber, R.W.	2003
790_ AAAI 91-A6.pdf	12952099	Weber, R.W.	2003

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 1004 - Pollens - Trees, Poplar, Balsam Populus balsamifera

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: poplar and allergy; Populus balsamifera
Google: poplar pollen allergy; poplar pollen allergy adverse; poplar pollen allergen; poplar pollen allergen adverse; same search results performed for Populus balsamifera

Nomenclature

According to ITIS the scientific name is Populus balsamifera (TSN 22453). Common name is balsam poplar. The scientific and common names are correct. Two subspecies of P. balsamifera are listed: balsamifera and trichocarpa. This product is found in the Family of Salicaceae commonly called saules or willows.

Parent Product

1004 - Pollens - Trees, Poplar, Balsam Populus balsamifera

Published Data

Panel 1 (pg 3152) reported on a "study of the relation of white and Carolina poplar using passive transfer tests done with sera of three clinically sensitive skin test positive poplar pollinosis patients. All direct passive transfers were positive in varying degrees to both species of the same family."

PMID 12897724 notes that there is strong cross-reactivity between Populus and Salix genus based on skin test correlations and Prausnitz-Küstner (P-K) neutralization. There is also moderate cross-reactivity between Salicaceae and Fagales members based on P-K neutralizations and passive hemagglutination inhibition.

In PMID 12221895 hypersensitivity to P. deltoides was assessed serologically by Immucap system and scored based on a modified radioallergosorbent test (RAST).

PMID 8766742 shows that 30 % of allergic patients tested were skin test positive to Populus (Poplar).

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
883_ Asthma Allergy Proc 23-253.pdf	12221895	Lin, R.Y.	2002
1003_ Allergol et Immunopathol 24-116.pdf	8766742	Güneser, S.	1996
783_ JACI 112-229.pdf	12897724	Weber, R.W.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 1005 - Pollens - Trees, Poplar, Gray (Carolina) Populus canescens

Recommended Common Name Poplar, Gray

Recommended Scientific Name Populus X canescens

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Poplar + pollen; Populus canescens

Google: poplar pollen allergy; poplar pollen allergy adverse; poplar pollen allergen; poplar pollen allergen adverse; same search results performed for Populus canescens

Nomenclature

According to ITIS, the scientific name is Populus X canescens (TSN 22458). The common name is listed as 'gray poplar'. The genus, species, and common names are correct. Synonyms are Populus alba var. canescens and Populus hybrida. This product is found in the Family of Salicaceae commonly called saules or willows.

Parent Product

1005 - Pollens - Trees, Poplar, Gray (Carolina) Populus canescens

Published Data

Panel 1 (pg 3152) reported on a "study of the relation of white and Carolina poplar using passive transfer tests done with sera of three clinically sensitive skin test positive poplar pollinosis patients. All direct passive transfers were positive in varying degrees to both species of the same family."

PMID 12897724 notes that there is strong cross-reactivity between Populus and Salix genus based on skin test correlations and Prausnitz-Küstner (P-K) neutralization. There is also moderate cross-reactivity between Salicaceae and Fagales members based on P-K neutralizations and passive hemagglutination inhibition.

PMID 12221895: Hypersensitivity to P. deltoides was assessed serilogically by Immunocap system and scored based on a modified radioallergosorbent test (RAST).

PMID 8766742 shows that 30 % of allergic patients tested were skin test positive to Populus (Poplar).

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1003_ Asthma Allergy Proc 23-253.pdf	12221895	Lin, R.Y.	2002
1003_ Allergol et Immunopathol 24-116.pdf	8766742	Güneser, S.	1996
783_ JACI 112-229.pdf	12897724	Weber, R.W.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 1006 - Pollens - Trees, Poplar, Lombardy Populus nigra italica

Recommended Scientific Name Populus nigra

Manufacturers of this Product

- Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
- Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
- Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
- ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
- Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
- Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)
- Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: poplar + allergy; Populus nigra

Google: poplar pollen allergy; poplar pollen allergy adverse; poplar pollen allergen; poplar pollen allergen adverse; same search results performed for Populus nigra

Nomenclature

According to ITIS, the current name of Populus nigra italica is Populus nigra (TSN 22468). Common names are black cottonwood, black poplar, Lombardy poplar, and Lombardy's poplar. The common name is correct. The scientific name needs to be updated. Synonyms for this product are: Populus dilatata, P. italica, and P nigra var. italica. This product is found in the Family of Salicaceae commonly called saules or willows.

Parent Product

792 - Pollens - Trees, Cottonwood, Black (Black Poplar) Populus nigra

Related Products

1006 - Pollens - Trees, Poplar, Lombardy Populus nigra italica

Published Data

PMIDs 12897724 note that there is strong cross-reactivity between Populus and Salix genus based on skin test correlations and Prausnitz-Küstner (P-K) neutralization. There is also moderate cross-reactivity between Salicaceae and Fagales members based on P-K neutralizations and passive hemagglutination inhibition.

PMID 12221895: Hypersensitivity to P. deltoides was assessed serilogically by Immunocap system and scored based on a modified radioallergosorbent test (RAST).

PMID 8766742, 30 % of allergic patients was skin test positive to Populus (Poplar).

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
883_ Asthma Allergy Proc 23-253.pdf	12221895	Lin, R.Y.	2002
1003_ Allergol et Immunopathol 24-116.pdf	8766742	Güneser, S.	1996
783_ JACI 112-229.pdf	12897724	Weber, R.W.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 1007 - Pollens - Trees, Poplar, Plains

Recommended Scientific Name genus and species to be specified

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: poplar + allergy

Google: poplar pollen allergy; poplar pollen allergy adverse; poplar pollen allergen; poplar pollen allergen advers

Nomenclature

According to ITIS, "Plains Poplar" is not listed as a common name. The scientific and common names need to be updated. This product is found in the Family of Salicaceae commonly called saules or willows.

Parent Product

1007 - Pollens - Trees, Poplar, Plains

Published Data

Panel 1 (pg 3152) reported on a "study of the relation of white and Carolina poplar using passive transfer tests done with sera of three clinically sensitive skin test positive poplar pollinosis patients. All direct passive transfers were positive in varying degrees to both species of the same family."

PMID 12897724 notes that there is strong cross-reactivity between Populus and Salix genus based on skin test correlations and Prausnitz-Küstner (P-K) neutralization. There is also moderate cross-reactivity between Salicaceae and Fagales members based on P-K neutralizations and passive hemagglutination inhibition.

PMID 12221895: Hypersensitivity to P. deltoides was assessed serologically by Immunocap system and scored based on a modified radioallergosorbent test (RAST).

PMID 8766742 shows that 30 % of allergic patients tested were skin test positive to Populus (Poplar).

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
883_ Asthma Allergy Proc 23-253.pdf	12221895	Lin, R.Y.	2002
783_ JACI 112-229.pdf	12897724	Weber, R.W.	2003
1003_ Allergol et Immunopathol 24-116.pdf	8766742	Güneser, S.	1996

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 1008 - Pollens - Trees, Poplar, White Populus alba

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: poplar + allergy; Populus alba
Google: poplar pollen allergy; poplar pollen allergy adverse; poplar pollen allergen; poplar pollen allergen adverse; same search results performed for Populus alba

Nomenclature

According to ITIS the scientific name is Populus alba (TSN 22451). Common name is white poplar. The scientific and common names are correct. Synonyms are Populus alba var. bolleana and Populus alba var. pyramidalis. This product is found in the Family of Salicaceae commonly called saules or willows.

Parent Product

1008 - Pollens - Trees, Poplar, White Populus alba

Published Data

PMID 12897724 note that there is strong cross-reactivity between Populus and Salix genus based on skin test correlations and Prausnitz-Küstner (P-K) neutralization. There is also moderate cross-reactivity between Salicaceae and Fagales members based on P-K neutralizations and passive hemagglutination inhibition.

PMID 12221895: Hypersensitivity to P. deltoides was assessed serilogically by Immunocap system and scored based on a modified radioallergosorbent test (RAST).

PMID 8766742 notes that 30 % of allergic patients tested were skin test positive to Populus (Poplar).

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
883_ Asthma Allergy Proc 23-253.pdf	12221895	Lin, R.Y.	2002
1003_ Allergol et Immunopathol 24-116.pdf	8766742	Güneser, S.	1996
783_ JACI 112-229.pdf	12897724	Weber, R.W.	2003

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	none	Category I

Product: 1009 - Pollens - Trees, Privet Ligustrum spp.

Recommended Scientific Name Ligustrum, (species to be specified)

Manufacturers of this Product

- Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
- Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
- ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
- Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Privet and pollen

Google: privet pollen allergy; privet pollen allergy adverse; privet pollen allergen; privet pollen allergen adverse; same search results performed for Ligustrum

Nomenclature

According to ITIS, there are eleven species in the genus Ligustrum (TSN 32973). The scientific name needs to be updated. The Ligustrum genus is found in the Oleaceae or olive family.

Parent Product

1009 - Pollens - Trees, Privet Ligustrum spp.

Published Data

PMID 11929410 reports on the privet pollen concentrations in air samples. No methods of diagnosis or therapy were reported. PMIDs 8319129, 1528191, and 9027441 provide in vitro assessments that pollen allergens are allergenic cross-reactivity between olive, privet, ryegrass (*Lolium perenne*) and couch grass (Bermuda grass: *Cynodon dactylon*) pollens. PMID 8917115 is a review article reporting on several articles that support cross-reactivity among allergens of *Olea*, *Ligustrum* and *Phillyrea*.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1010_ Allergy 57-092.pdf	11929410	Cariñanos, P.	2002
1010_ Clin Exp Allergy 23-311.pdf	8319129	Obispo, T.M.	1993
948_ Int Arch Allergy Immunol 111-210.pdf	8917115	Liccardi, G.	1996
1010_ Mol Immunol 29-1209.pdf	1528191	Baldo, B.A.	1992
1010_ Clin Exp Allergy 26-1401.pdf.pdf	9027441	Batanero, E.	1996

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 1010 - Pollens - Trees, Privet Ligustrum vulgare

Recommended Common Name Privet, European

Manufacturers of this Product

- Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
- Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
- Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
- ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
- Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
- Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)
- Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Privet + pollen; Ligustrum vulgare

Allergynet.com: privet tree

Google: privet pollen allergy; privet pollen allergy adverse; privet pollen allergen; privet pollen allergen adverse; same search results performed for Ligustrum vulgare

Nomenclature

According to ITIS, the scientific name is Ligustrum vulgare (TSN 32980). The common names are listed as 'European privet' and 'wild privet'. The scientific name is correct and current. The common name needs to be updated. The Ligustrum genus is found in the Oleaceae or olive family.

Parent Product

1010 - Pollens - Trees, Privet Ligustrum vulgare

Published Data

PMID 11929410 reports on the privet pollen concentrations in air samples. No methods of diagnosis or therapy were reported. PMIDs 8319129, 152819, and 9027441 provide in vitro assessments that pollen allergens are allergenic cross-reactivity between olive, privet, ryegrass (Lolium perenne) and couch grass (Bermuda grass: Cynodon dactylon) pollens.

PMID 8917115 is a review article reporting on several articles that support cross-reactivity among allergens of Olea, Ligustrum, and Phillyrea.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1010_ Allergy 57-092.pdf	11929410	Cariñanos, P.	2002
1010_ Clin Exp Allergy 23-311.pdf	8319129	Obispo, T.M.	1993
1010_ Int Arch Allergy Immunol 111-210.pdf	8917115	Liccardi, G.	1996
1010_ Mol Immunol 29-1209.pdf	1528191	Baldo, B.A.	1992
1010_ Clin Exp Allergy 26-1401.pdf.pdf	9027441	Batanero, E.	1996

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 1011 - Pollens - Trees, Privet, Southern Ligustrum licidum - texana

Recommended Common Name Privet, Glossy

Recommended Scientific Name Ligustrum lucidum

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: privet + allergy

Allergynet.com: privet tree

Google: privet pollen allergy; privet pollen allergy adverse; privet pollen allergen; privet pollen allergen adverse; same search results performed for Ligustrum licidum

Nomenclature

According to ITIS, the correct spelling of Ligustrum licidum is Ligustrum lucidum (TSN 503450). Common names are glossy privet and tree privet. The scientific and common names need to be updated. The Ligustrum genus is found in the Oleaceae or olive family.

Parent Product

1011 - Pollens - Trees, Privet, Southern Ligustrum licidum - texana

Published Data

PMID 11929410 reports on the privet pollen concentrations in air samples. No methods of diagnosis or therapy were reported.

PMIDs 8319129, 152819, and 9027441 provide in vitro assessments that pollen allergens are allergenic cross-reactivity between olive, privet, ryegrass (Lolium perenne) and couch grass (Bermuda grass: Cynodon dactylon) pollens.

PMID 8917115 is a review article reporting on several articles that support cross-reactivity among allergens of Olea, Ligustrum, and Phillyrea.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1010_ Allergy 57-092.pdf	11929410	Cariñanos, P.	2002
1010_ Clin Exp Allergy 23-311.pdf	8319129	Obispo, T.M.	1993
948_ Int Arch Allergy Immunol 111-210.pdf	8917115	Liccardi, G.	1996
1010_ Mol Immunol 29-1209.pdf	1528191	Baldo, B.A.	1992
1010_ Clin Exp Allergy 26-1401.pdf.pdf	9027441	Batanero, E.	1996

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 1012 - Pollens - Trees, Redwood Sequoia sempervirens

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)

Search Strategy

PubMed: redwood + pollen; redwood + allergy

Allergynet.com

Google: redwood pollen allergy; redwood pollen allergy adverse; redwood pollen allergen; redwood pollen allergen adverse; same search results performed for Sequoia sempervirens

Nomenclature

According to ITIS, the scientific name is Sequoia sempervirens (TSN 183435). Common names are redwood, california redwood, and coast redwood. The scientific and common names are correct and current. Synonym is Taxodium sempervirens. The Sequoia genus is found in the Taxodiaceae family.

Parent Product

1012 - Pollens - Trees, Redwood Sequoia sempervirens

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 1013 - Pollens - Trees, Shortleaf Salix sessilifolia

Recommended Common Name Willow, Northwest

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Salix and allergy or Salix and pollen

Google: shortleaf pollen allergy; shortleaf pollen allergy adverse; shortleaf pollen allergen; shortleaf pollen allergen adverse; same search results performed for Salix sessilifolia

Nomenclature

According to ITIS, the scientific name is Salix sessilifolia (TSN 22582). Common names are listed as northwest sandbar willow and northwest willow. The scientific name is correct and current. The common name needs to be updated. Synonyms are Salix exigua var. sessilifolia, Salix fluviatilis var. sessilifolia, Salix longifolia var. sessilifolia, Salix macrostachya, Salix macrostachya var. cusickii, and Salix sessilifolia var. villosa. The Salix genus is found in the Salicaceae family.

Parent Product

1013 - Pollens - Trees, Shortleaf Salix sessilifolia

Published Data

PMID 1147318 finds that 30-45% of subjects who are tree allergic to react to willow pollen.

PMID 8766742 is a survey of skin reactivity to aeroallergens from Turkey found 31% of subjects reactive to Salix extract, though most were mildly reactive.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
883_ Annals Allergy 35-113.pdf.pdf	1147318	Lewis, W.H.	1975
1013_ Allergol et Immunopath 24-116.pdf	8766742	Güneser, S.	1996

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 1014 - Pollens - Trees, Silk Tassle Bush Garrya elliptica

Recommended Common Name Silktassel, Wayleaf

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed and Google: silktassle; Garrya + pollen or allergy

Nomenclature

According to ITIS, the scientific name is Garrya elliptica (TSN 27828). The common name is listed as wayleaf silktasse. The scientific name is correct and current. The common name needs to be updated. The Garrya genus is found in the Garryaceae family.

Parent Product

1014 - Pollens - Trees, Silk Tassle Bush Garrya elliptica

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 1015 - Pollens - Trees, Spruce, Blue Picea pungens

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

Google and PubMed: spruce + allergy; spruce + pollen

Nomenclature

According to ITIS, the scientific name is Picea pungens (TSN 183307). Common names are blue spruce, colorado blue spruce, and silver spruce. The scientific and common names are correct. Synonym is Picea parryana. The Picea genus is found in the Pinaceae family.

Parent Product

1015 - Pollens - Trees, Spruce, Blue Picea pungens

Published Data

In PMID 12897724, Weber states "The pine family, Pinaceae, contains pines (Pinus spp), spruces (Picea spp), hemlocks (Tsuga spp), and firs (Abies spp, Pseudotsuga). Some rapidly eluted proteins from Monterey Pine (Pinus radiata) are able to modestly inhibit solid phase perennial ryegrass (Lolium perenne) RAST discs. While initially perplexing, this cross-reactivity, however modest, probably reflects panallergens such as the profilins."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
783_JACI 112-229.pdf	12897724	Weber, R.W.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 1016 - Pollens - Trees, Spruce, Engelman Picea engelmannii

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

Google and PubMed: spruce + allergy; spruce + pollen

Nomenclature

According to ITIS, the scientific name is *Picea engelmannii* (TSN 183291). Common names are columbian spruce, Engelmann spruce, Engelmann's spruce, mountain spruce, silver spruce, and white spruce. The scientific and common names are correct and current. Synonyms are *Abies engelmannii*, *Picea engelmannii* glabra, *Picea glauca* ssp. *engelmannii*, and *Picea glauca* var. *engelmannii*. The *Picea* genus is found in the Pinaceae family.

Parent Product

1016 - Pollens - Trees, Spruce, Engelman *Picea engelmannii*

Published Data

In PMID 12897724, Weber states "The pine family, Pinaceae, contains pines (*Pinus* spp), spruces (*Picea* spp), hemlocks (*Tsuga* spp), and firs (*Abies* spp, *Pseudotsuga*). Some rapidly eluted proteins from Monterey Pine (*Pinus radiata*) are able to modestly inhibit solid phase perennial ryegrass (*Lolium perenne*) RAST discs. While initially perplexing, this cross-reactivity, however modest, probably reflects panallergens such as the profilins."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
783_JACI 112-229.pdf	12897724	Weber, R.W.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 1017 - Pollens - Trees, Spruce, Norway Picea abies

Recommended Common Name Spruce, Engelmann

Recommended Scientific Name Picea engelmannii

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

Google and PubMed: spruce + allergy; spruce + pollen

Nomenclature

According to ITIS, the scientific name is Picea engelmannii (TSN 183291). Common names are columbian spruce, Engelmann spruce, Engelmann's spruce, mountain spruce, silver spruce, and white spruce. Synonyms are Abies engelmannii, Picea engelmannii glabra, Picea glauca ssp. engelmannii, and Picea glauca var. engelmannii. The Picea genus is found in the Pinaceae family.

Parent Product

1017 - Pollens - Trees, Spruce, Norway Picea abies

Published Data

In PMID 12897724, Weber states "The pine family, Pinaceae, contains pines (Pinus spp), spruces (Picea spp), hemlocks (Tsuga spp), and firs (Abies spp, Pseudotsuga). Some rapidly eluted proteins from Monterey Pine (Pinus radiata) are able to modestly inhibit solid phase perennial ryegrass (Lolium perenne) RAST discs. While initially perplexing, this cross-reactivity, however modest, probably reflects panallergens such as the profilins."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
783_JACI 112-229.pdf	12897724	Weber, R.W.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 1018 - Pollens - Trees, Spruce, Red Picea rubens

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

Google and PubMed: spruce + allergy; spruce + pollen

Nomenclature

According to ITIS, the scientific name is *Picea rubens* (TSN 18034). Common name is red spruce. The scientific and common names are correct and current. Synonyms are *Picea australis* and *Picea mariana rubra*. The *Picea* genus is found in the Pinaceae family.

Parent Product

1018 - Pollens - Trees, Spruce, Red Picea rubens

Published Data

In PMID 12897724, Weber states "The pine family, Pinaceae, contains pines (*Pinus* spp), spruces (*Picea* spp), hemlocks (*Tsuga* spp), and firs (*Abies* spp, *Pseudotsuga*). Some rapidly eluted proteins from Monterey Pine (*Pinus radiata*) are able to modestly inhibit solid phase perennial ryegrass (*Lolium perenne*) RAST discs. While initially perplexing, this cross-reactivity, however modest, probably reflects panallergens such as the profilins."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
783_JACI 112-229.pdf	12897724	Weber, R.W.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 1019 - Pollens - Trees, Spruce, Red Picea rubra

Recommended Scientific Name Picea rubens

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

Google and PubMed: spruce + allergy; spruce + pollen

Nomenclature

Picea rubra is not listed in ITIS. Picea mariana rubra is an unaccepted synonym for Picea rubens. The scientific name, Picea rubens (TSN 18034) has the common name of red spruce. The common name is correct. The scientific name needs to be updated. Synonyms are Picea australis and Picea mariana rubra. The Picea genus is found in the Pinaceae family.

Parent Product

1019 - Pollens - Trees, Spruce, Red Picea rubra

Published Data

In PMID 12897724, Weber states "The pine family, Pinaceae, contains pines (Pinus spp), spruces (Picea spp), hemlocks (Tsuga spp), and firs (Abies spp, Pseudotsuga). Some rapidly eluted proteins from Monterey Pine (Pinus radiata) are able to modestly inhibit solid phase perennial ryegrass (Lolium perenne) RAST discs. While initially perplexing, this cross-reactivity, however modest, probably reflects panallergens such as the profilins."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
783_JACI 112-229.pdf	12897724	Weber, R.W.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 1020 - Pollens - Trees, Spruce, Sitka Picea sitchensis

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

Google and PubMed: spruce + allergy; spruce + pollen

Nomenclature

According to ITIS, the scientific name is *Picea sitchensis* (TSN 183309). Common names are coast spruce, Sitka spruce, tideland spruce, and yellow spruce. The scientific and common names are correct. Synonym is *Pinus sitchensis*. The *Picea* genus is found in the Pinaceae family.

Parent Product

1020 - Pollens - Trees, Spruce, Sitka *Picea sitchensis*

Published Data

In PMID 12897724, Weber states "The pine family, Pinaceae, contains pines (*Pinus* spp), spruces (*Picea* spp), hemlocks (*Tsuga* spp), and firs (*Abies* spp, *Pseudotsuga*). Some rapidly eluted proteins from Monterey Pine (*Pinus radiata*) are able to modestly inhibit solid phase perennial ryegrass (*Lolium perenne*) RAST discs. While initially perplexing, this cross-reactivity, however modest, probably reflects panallergens such as the profilins."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
783_JACI 112-229.pdf	12897724	Weber, R.W.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 1021 - Pollens - Trees, Sumac, Upland Rhus copallina

Recommended Common Name Sumac, Shining

Recommended Scientific Name Rhus copallina

Manufacturers of this Product

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

Google and Pubmed: sumac+pollen; sumac+allergy; rhus+allergy

Nomenclature

According to ITIS, the correct spelling of Rhus copallina is Rhus copallina (TSN 28773). The common names are listed as dwarf sumac and shining sumac. The scientific and common names need to be updated. Two varieties of R. copallina are listed: copallina and leucantha. The Rhus genus is found in the Anacardiaceae family.

Parent Product

1021 - Pollens - Trees, Sumac, Upland Rhus copallina

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 1022 - Pollens - Trees, Sycamore, American (Eastern) Platanus occidentalis

Recommended Common Name Sycamore, American

Recommended Scientific Name Platanus occidentalis

Manufacturers of this Product

- Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
- Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
- Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
- ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
- Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
- Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)
- Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Platanus, and occidentalis

Google: sycamore pollen allergy; sycamore pollen allergy adverse; sycamore pollen allergen; sycamore pollen allergen adverse; same search results performed for Platanus occidentalis

Nomenclature

According to ITIS, the correct spelling of Platanus occidentalis is Platanus occidentalis (TSN 19020). Common names are American sycamore and sycamore. The scientific and common names need to be updated. Synonyms are Platanus glabrata and Platanus occidentalis var. glabrata. The Platanus genus is found in the Platanaceae family.

Parent Product

1022 - Pollens - Trees, Sycamore, American (Eastern) Platanus occidentalis

Published Data

PMID 7889425: A controlled skin prick assessment was performed with Platanus extract with 56% skin-test positivity. Study included bronchial challenges with methacholine and Platanus extract as part of a double-blind protocol. One out of 3 of methacholine challenge showed slight bronchial hypersensitivity while the three patients had immediate and late asthmatic response after challenge.

PMID 12859456: P. acerifolia is a hybrid developed from P. occidentalis. Sera from 42 patients with positive skin prick tests to Platanus extract and specific IgE levels greater than enzyme-linked allergosorbent test class 2 score were used to sequence Pla a 1.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1001_Clin Exp Allergy 24-1123.pdf	7889425	Subiza, J.	1994
1001_Clin Exp Allergy 33-978.pdf	12859456	Asturias, J.A.	2003
594_Key pollen allergens in North America.pdf	14692424	White, J.F.	2003

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 1023 - Pollens - Trees, Sycamore, Arizona Platanus wrightii

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Platanus

Google: sycamore pollen allergy; sycamore pollen allergy adverse; sycamore pollen allergen; sycamore pollen allergen adverse; same search results performed for Platanus wrightii

Nomenclature

According to ITIS, the scientific name is Platanus wrightii (TSN 19023). Common name Arizona sycamore. The scientific and common names are correct and current. Synonyms are Platanus racemosa wiightii and Platanus racemosa var. wrightii. The Platanus genus is found in the Platanaceae family.

Parent Product

1023 - Pollens - Trees, Sycamore, Arizona Platanus wrightii

Published Data

PMID 14692424 "Platanus species have also been found to be associated with clinical exacerbations of allergic rhinitis and asthma. Work with Hammelidaceae and Platanaceae tree families has been limited, and published studies that address cross-reactivity are lacking."

No supportive data were identified.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
594_ Key pollen allergens in North America.pdf	14692424	White, J.F.	2003

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 1024 - Pollens - Trees, Sycamore, Cultivated Platanus orientalis

Recommended Common Name Planetree, Oriental

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Platanus

Google: sycamore pollen allergy; sycamore pollen allergy adverse; sycamore pollen allergen; sycamore pollen allergen adverse; same search results performed for Platanus orientalis

Nomenclature

According to ITIS, the scientific name is Platanus orientalis (TSN 195053). Common name is oriental planetree. The scientific name is correct and current. The common name needs to be updated. The Platanus genus is found in the Platanaceae family.

Parent Product

1024 - Pollens - Trees, Sycamore, Cultivated Platanus orientalis

Related Products

1025 - Pollens - Trees, Sycamore, European Platanus orientalis

1027 - Pollens - Trees, Sycamore, Western Platanus orientalis

Published Data

PMID 9438481: 59% of patients had positive skin prick test to P. hybrida.

PMID 7889425: A controlled skin prick assessment was performed with Platanus extract with 56% skin-test positivity. Study included bronchial challenges with methacholine and Platanus extract as part of a double-blind protocol. One out of 3 of methacholine challenge showed slight bronchial hypersensitivity while the three patients had immediate and late asthmatic response after challenge.

PMID 12859456: Sera from 42 patients with positive skin prick tests to Platanus extract and specific IgE levels greater than enzyme-linked allergosorbent test class 2 score were used to sequence Pla a 1.

PMID 14692424: "Platanus species have also been found to be associated with clinical exacerbations of allergic rhinitis and asthma. Work with Hammelidaceae and Platanaceae tree families has been limited, and published studies that address cross-reactivity are lacking."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1001_J Allergy Clin Invest 100-748.pdf	9438481	Varela, S.	1997
1001_Clin Exp Allergy 24-1123.pdf	7889425	Subiza, J.	1994
1001_Clin Exp Allergy 33-978.pdf	12859456	Asturias, J.A.	2003
594_Key pollen allergens in North America.pdf	14692424	White, J.F.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 1025 - Pollens - Trees, Sycamore, European Platanus orientalis

Recommended Common Name Planetree, Oriental

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Platanus

Google sycamore pollen allergy; sycamore pollen allergy adverse; sycamore pollen allergen; sycamore pollen allergen adverse; same search results performed for Platanus orientalis

Nomenclature

According to ITIS, the scientific name is Platanus orientalis (TSN 195053). Common name is oriental planetree. The scientific name is correct and current. The common name needs to be updated. The Platanus genus is found in the Platanaceae family.

Parent Product

1024 - Pollens - Trees, Sycamore, Cultivated Platanus orientalis

Related Products

1025 - Pollens - Trees, Sycamore, European Platanus orientalis

1027 - Pollens - Trees, Sycamore, Western Platanus orientalis

Published Data

PMID 9438481: 59% of patients had positive skin prick test to P. hybrida.

PMID 7889425: A controlled skin prick assessment was performed with Platanus extract with 56% skin-test positivity. Study included bronchial challenges with methacholine and Platanus extract as part of a double-blind protocol. One out of 3 of methacholine challenge showed slight bronchial hypersensitivity while the three patients had immediate and late asthmatic response after challenge.

PMID 12859456: Sera from 42 patients with positive skin prick tests to Platanus extract and specific IgE levels greater than enzyme-linked allergosorbent test class 2 score were used to sequence Pla a 1.

PMID 14692424: "Platanus species have also been found to be associated with clinical exacerbations of allergic rhinitis and asthma. Work with Hammelidaceae and Platanaceae tree families has been limited, and published studies that address cross-reactivity are lacking."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1001_ Clin Exp Allergy 33-978.pdf	12859456	Asturias, J.A.	2003
594_ Key pollen allergens in North America.pdf	14692424	White, J.F.	2003
1001_ J Allergy Clin Invest 100-748.pdf	9438481	Varela, S.	1997
1001_ Clin Exp Allergy 24-1123.pdf	7889425	Subiza, J.	1994

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 1026 - Pollens - Trees, Sycamore, Mapleleaf Platanus acerifolia

Recommended Common Name Planetree, London

Recommended Scientific Name Platanus hybrida

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Platanus

Google: sycamore pollen allergy; sycamore pollen allergy adverse; sycamore pollen allergen; sycamore pollen allergen adverse; same search results performed for Platanus acerifolia

Nomenclature

According to ITIS, the current name of Platanus acerifolia is Platanus hybrida (TSN 19021). The common name is London planetree. The scientific and common names need to be updated. The genus Platanus is found in the family Platanaceae, which includes Planetree and Sycamores.

Parent Product

1001 - Pollens - Trees, Planetree, London Platanus acerifolia

Related Products

1026 - Pollens - Trees, Sycamore, Mapleleaf Platanus acerifolia

Published Data

PMID 9438481 evaluated whether Plantanus hybrida pollen is a cause of pollinosis. Thirty-three patients tested positive for P. hybrida out of 39 patients first seen at an allergy center. Only 3 out of eight patients without symptoms tested positive to skin prick test.

PMID 7889425 described three patients that had immediate response to skin tests and dual response to bronchial provocations using P. hybrida pollen extract.

PMID 12859456 describes Pla a 1 as a major allergen from P. acerifolia pollen. Forty-two allergic patients had positive skin prick tests to Plantanus extract and specific IgE levels to London plane tree pollen.

PMID 16179793 describes the development of an in vitro laboratory method. Patient sera were obtained from persons with clinical history of seasonal or perennial rhinitis, asthma, or both, and positive skin reaction to a biologically standardized commercial P. acerifolia extract.

PMID 15208603 identified a major allergen in P. acerifolia. Patient sera were obtained from persons with clinical history of seasonal or perennial rhinitis, asthma, or both, and positive skin reaction to a biologically standardized commercial P. acerifolia extract. Specific IgE levels were quantified by an ELISA.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1001_ J Allergy Clin Invest 100-748.pdf	9438481	Varela, S.	1997
1001_ Clin Exp Allergy 24-1123.pdf	7889425	Subiza, J.	1994
1001_ Clin Exp Allergy 33-978.pdf	12859456	Asturias, J.A.	2003
1001_ Int Arch Allergy Immunol 138-127.pdf	16179793	Arilla, M.C.	2005
1001_ J Allergy Clin Immunol 113-1185.pdf	15208603	Ibarrola, I.	2004

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 1027 - Pollens - Trees, Sycamore, Western Platanus orientalis

Recommended Common Name Planetree, Oriental

Manufacturers of this Product

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: Platanus

Google: sycamore pollen allergy; sycamore pollen allergy adverse; sycamore pollen allergen; sycamore pollen allergen adverse; same search results performed for Platanus orientalis

Nomenclature

According to ITIS, the scientific name is Platanus orientalis (TSN 195053). Common name is oriental planetree. The scientific and common names need to be updated. The Platanus genus is found in the Platanaceae family.

Parent Product

1024 - Pollens - Trees, Sycamore, Cultivated Platanus orientalis

Related Products

1025 - Pollens - Trees, Sycamore, European Platanus orientalis

1027 - Pollens - Trees, Sycamore, Western Platanus orientalis

Published Data

PMID 9438481: 59% of patients had positive skin prick test to P. hybrida.

PMID 7889425: A controlled skin prick assessment was performed with Platanus extract with 56% skin-test positivity. Study included bronchial challenges with methacholine and Platanus extract as part of a double-blind protocol. One out of 3 of methacholine challenge showed slight bronchial hypersensitivity while the three patients had immediate and late asthmatic response after challenge.

PMID 12859456: Sera from 42 patients with positive skin prick tests to Platanus extract and specific IgE levels greater than enzyme-linked allergosorbent test class 2 score were used to sequence Pla a 1.

PMID 14692424: "Platanus species have also been found to be associated with clinical exacerbations of allergic rhinitis and asthma. Work with Hammelidaceae and Platanaceae tree families has been limited, and published studies that address cross-reactivity are lacking."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1001_J Allergy Clin Invest 100-748.pdf	9438481	Varela, S.	1997
1001_Clin Exp Allergy 24-1123.pdf	7889425	Subiza, J.	1994
1001_Clin Exp Allergy 33-978.pdf	12859456	Asturias, J.A.	2003
594_Key pollen allergens in North America.pdf	14692424	White, J.F.	2003

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 1028 - Pollens - Trees, Sycamore, Western Platanus racemosa

Recommended Common Name Sycamore, California

Manufacturers of this Product

- Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
- Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
- Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
- ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
- Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
- Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)
- Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Platanus

Google: sycamore pollen allergy; sycamore pollen allergy adverse; sycamore pollen allergen; sycamore pollen allergen adverse; same search results performed for Platanus racemosa

Nomenclature

According to ITIS, the scientific name is Platanus racemosa (TSN 19022). The common name is California sycamore. The scientific is correct and current. The common name needs to be updated. Synonym is Platanus californica. The Platanus genus is found in the Platanaceae family.

Parent Product

1028 - Pollens - Trees, Sycamore, Western Platanus racemosa

Published Data

PMID 14692424: "Platanus species have also been found to be associated with clinical exacerbations of allergic rhinitis and asthma. Work with Hammelidaceae and Platanaceae tree families has been limited, and published studies that address cross-reactivity are lacking."

No supportive data were identified.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1001_ Clin Exp Allergy 24-1123.pdf	7889425	Subiza, J.	1994
1001_ Clin Exp Allergy 33-978.pdf	12859456	Asturias, J.A.	2003
594_ Key pollen allergens in North America.pdf	14692424	White, J.F.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 1029 - Pollens - Trees, Tamarack (Larch) Larix occidentalis

Recommended Common Name Tamarack, Western

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: tamarack + pollen; tamarack + allergy; Larch + pollen

Google: tamarack + pollen; tamarack + allergy

Nomenclature

According to ITIS, the scientific name is Larix occidentalis (TSN 183417). Common names are: hackmatack, Montana larch, mountain larch, western larch, and western tamarack. The scientific name is correct and current. The common name needs to be updated. The Larix genus is found in the Pinaceae family.

Parent Product

1029 - Pollens - Trees, Tamarack (Larch) Larix occidentalis

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 1030 - Pollens - Trees, Tamarack Larix laricina

Recommended Scientific Name Larix laricina

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: tamarack + pollen; tamarack + allergy

Google: tamarack + pollen; tamarack + allergy

Nomenclature

According to ITIS, the correct spelling of Larix laricina is Larix laricina (TSN 183412). The common names are: alaskan larch, American larch, eastern larch, hackmatack, and tamarack. The common name is correct and current. The scientific name needs to be updated. Synonyms are Larix alaskensis, Larix laricina var. alaskensis, and Pinus laricina. The Larix genus is found in the Pinaceae family.

Parent Product

1030 - Pollens - Trees, Tamarack Larix laricina

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 1031 - Pollens - Trees, Tree of Heaven Ailanthus altissima

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Ailanthus altissima

Google: Tree of heaven pollen allergy; Tree of heaven pollen allergy adverse; Tree of heaven pollen allergen; Tree of heaven pollen allergen adverse; same search results performed for Ailanthus altissima

Nomenclature

According to ITIS, the scientific name is Ailanthus altissima (TSN 28827). Common names are ailanthus, tree of heaven, and copal tree. The scientific name is correct and current. Synonym is Ailanthus glandulosa. The Ailanthus genus is found in the Simaroubaceae family.

Parent Product

1031 - Pollens - Trees, Tree of Heaven Ailanthus altissima

Published Data

There are two reports of allergy to Tree of Heaven.

PMID 17015148 shows cross-reactivity between mesquite (Prosopis juliflora) and Tree of Heaven allergens.

PMID 12757458 reports of 10 subjects tested by skin prick test to A. altissima extract who are allergic to Ailanthus pollen.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1031_ Immunobiology 211-733.pdf	17015148	Dhyani, A	2006
1031_ Allergy 58-532.pdf	12757458	Ballero, M	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 1032 - Pollens - Trees, Walnut, Arizona Juglans major

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: walnut and pollen; walnut and allergy

Google: walnut and pollen; walnut and allergy

Nomenclature

According to ITIS, the scientific name is *Juglans major* (TSN 19252). Common names are Arizona black walnut, Arizona walnut, and New Mexico walnut. The scientific name is correct and current. Synonyms are *Juglans elaeopyren*, *Juglans microcarpa* var. *major*, and *Juglans rupestris* var. *major*. The *Juglans* genus is found in the Juglandaceae family.

Parent Product

1032 - Pollens - Trees, Walnut, Arizona *Juglans major*

Published Data

PMID 1147318 lists walnut tree pollen allergy as very common (30-45%).

In PMID 12897724 moderate skin test correlations were found between *Carya illinoensis* (product 963) and black walnut, *J. nigra*.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
883_ Annals Allergy 35-113.pdf.pdf	1147318	Lewis, W.H.	1975
783_ JACI 112-229.pdf	12897724	Weber, R.W.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 1033 - Pollens - Trees, Walnut, Arizona Juglans microcarp

Recommended Common Name Walnut, Little

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: walnut and pollen; walnut and allergy

Google: walnut and pollen; walnut and allergy

Nomenclature

According to ITIS, the scientific name is *Juglans microcarpa* (TSN 19253). The common name is little walnut. The scientific name is correct and current. The common name needs to be updated. Two varieties of *J. microcarpa* are listed: *microcarpa* and *stewartii*. The *Juglans* genus is found in the Juglandaceae family.

Parent Product

1033 - Pollens - Trees, Walnut, Arizona *Juglans microcarp*

Published Data

PMID 1147318 lists walnut tree pollen allergy as very common (30-45%).

In PMID 12897724 moderate skin test correlations were found between *Carya illinoensis* (product 963) and black walnut, *J. nigra*.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
883_ Annals Allergy 35-113.pdf.pdf	1147318	Lewis, W.H.	1975
783_ JACI 112-229.pdf	12897724	Weber, R.W.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 1034 - Pollens - Trees, Walnut, Arizona Juglans rupestris

Recommended Common Name Walnut, Little

Recommended Scientific Name Juglans microcarpa var. microcarpa

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: walnut and pollen; walnut and allergy

Google: walnut and pollen; walnut and allergy

Nomenclature

According to ITIS, the correct scientific name of Juglans rupestris is Juglans microcarpa var. microcarpa (TSN 528593). The common name is little walnut. The scientific and common names need to be updated. Synonym is Juglans rupestris. The Juglans genus is found in the Juglandaceae family.

Parent Product

1034 - Pollens - Trees, Walnut, Arizona Juglans rupestris

Published Data

PMID 1147318 lists walnut tree pollen allergy as very common (30-45%).

In PMID 12897724 moderate skin test correlations were found between Carya illinoensis (product 963) and black walnut, J. nigra.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
883_ Annals Allergy 35-113.pdf.pdf	1147318	Lewis, W.H.	1975
783_ JACI 112-229.pdf	12897724	Weber, R.W.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 1035 - Pollens - Trees, Walnut, Black Juglans nigra

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: walnut and pollen; walnut and allergy
Google: walnut and pollen; walnut and allergy

Nomenclature

According to ITIS, the scientific name is Juglans nigra (TSN 19254). Common name is black walnut. The scientific and common names are correct and current. Synonym is Wallia nigra. The Juglans genus is found in the Juglandaceae family.

Parent Product

1035 - Pollens - Trees, Walnut, Black Juglans nigra

Published Data

PMID 1147318 lists walnut tree pollen allergy as very common (30-45%).
In PMID 12897724 moderate skin test correlations were found between Carya illinoensis (product 963) and black walnut, J. nigra.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
883_ Annals Allergy 35-113.pdf.pdf	1147318	Lewis, W.H.	1975
783_ JACI 112-229.pdf	12897724	Weber, R.W.	2003

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 1036 - Pollens - Trees, Walnut, Butternut Juglans cinerea

Recommended Common Name Butternut

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: walnut and pollen; walnut and allergy

Google: walnut and pollen; walnut and allergy

Nomenclature

According to ITIS, the scientific name is Juglans cinerea (TSN 19250). Common name is butternut. The scientific name is correct and current. The common name needs to be updated. Synonym is Wallia cinerea. The Juglans genus is found in the Juglandaceae family.

Parent Product

1036 - Pollens - Trees, Walnut, Butternut Juglans cinerea

Published Data

PMID 1147318 lists walnut tree pollen allergy as very common (30-45%).

In PMID 12897724 moderate skin test correlations were found between Carya illinoensis (product 963) and black walnut, J. nigra.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
883_ Annals Allergy 35-113.pdf.pdf	1147318	Lewis, W.H.	1975
783_ JACI 112-229.pdf	12897724	Weber, R.W.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 1037 - Pollens - Trees, Walnut, English Juglans regia

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: walnut and pollen; walnut and allergy
Google: walnut and pollen; walnut and allergy

Nomenclature

According to ITIS, the scientific name is Juglans regia (TSN 503244). Common name is English walnut. The scientific and common names are correct and current. The Juglans genus is found in the Juglandaceae family.

Parent Product

1037 - Pollens - Trees, Walnut, English Juglans regia

Published Data

PMID 1147318 lists walnut tree pollen allergy as very common (30-45%).
In PMID 12897724 moderate skin test correlations were found between Carya illinoensis (product 963) and black walnut, J. nigra.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
883_ Annals Allergy 35-113.pdf.pdf	1147318	Lewis, W.H.	1975
783_ JACI 112-229.pdf	12897724	Weber, R.W.	2003

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 1038 - Pollens - Trees, Walnut, Hind's California Black Juglans hindsii

Recommended Common Name Walnut, Northern California

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: walnut and pollen; walnut and allergy

Google: walnut and pollen; walnut and allergy

Nomenclature

According to ITIS, the scientific name is *Juglans hindsii* (TSN 19251). The common name is listed as Northern California walnut. The scientific name is correct and current. The common name needs to be updated. Synonym is *Juglans californica* var. *hindsii*. The *Juglans* genus is found in the Juglandaceae family.

Parent Product

1038 - Pollens - Trees, Walnut, Hind's California Black Juglans hindsii

Published Data

PMID 1147318 lists walnut tree pollen allergy as very common (30-45%).

In PMID 12897724 moderate skin test correlations were found between *Carya illinoensis* (product 963) and black walnut, *J. nigra*.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
883_ Annals Allergy 35-113.pdf.pdf	1147318	Lewis, W.H.	1975
783_ JACI 112-229.pdf	12897724	Weber, R.W.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 1039 - Pollens - Trees, Walnut, Japanese Juglans sieboldiana

Recommended Scientific Name Juglans ailanthifolia

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: walnut and pollen; walnut and allergy

Google: walnut and pollen; walnut and allergy

Nomenclature

According to ITIS, the current name of Juglans sieboldiana is Juglans ailanthifolia (TSN 503241). Common name is Japanese walnut. The common name is correct and current. The scientific name needs to be updated. Synonym is Juglans sieboldiana. The Juglans genus is found in the Juglandaceae family.

Parent Product

1039 - Pollens - Trees, Walnut, Japanese Juglans sieboldiana

Published Data

PMID 1147318 lists walnut tree pollen allergy as very common (30-45%).

In PMID 12897724 moderate skin test correlations were found between Carya illinoensis (product 963) and black walnut, J. nigra.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
883_ Annals Allergy 35-113.pdf.pdf	1147318	Lewis, W.H.	1975
783_ JACI 112-229.pdf	12897724	Weber, R.W.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 1040 - Pollens - Trees, Walnut, So. California Black Juglans californica

Recommended Common Name Walnut, Southern California

Manufacturers of this Product

- Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
- Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
- Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
- ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
- Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
- Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: walnut and pollen; walnut and allergy
Google: walnut and pollen; walnut and allergy

Nomenclature

According to ITIS, the scientific name is *Juglans californica* (TSN 19249). Common name is Southern California walnut. The scientific name is correct and current. The common name needs to be updated. The *Juglans* genus is found in the Juglandaceae family.

Parent Product

1040 - Pollens - Trees, Walnut, So. California Black *Juglans californica*

Published Data

PMID 1147318 lists walnut tree pollen allergy as very common (30-45%).
In PMID 12897724 moderate skin test correlations were found between *Carya illinoensis* (product 963) and black walnut, *J. nigra*.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
883_ Annals Allergy 35-113.pdf.pdf	1147318	Lewis, W.H.	1975
783_ JACI 112-229.pdf	12897724	Weber, R.W.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 1041 - Pollens - Trees, Wax Myrtle, Myrica cerifera

Recommended Scientific Name Morella cerifera

Manufacturers of this Product

Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)

Search Strategy

PubMed: sweet gale allergy, sweet gale, myrica allergy, myrica cerifera, Morella cerifera, myrica gale, bayberry allergy
Google: sweet gale, "adverse event"; wax myrtle, "adverse event"; myrica cerifera, "adverse event"; "myrica gale", adverse event; "sweet gale" allergy; "wax myrtle" allergy

Nomenclature

According to ITIS, the current name of Myrica cerifera is Morella cerifera. The common names are wax myrtle or waxmyrtle. The common name is correct and current. The scientific name needs to be updated. Synonyms are Cerothismum ceriferus, Cerothismum pumilus, Myrica cerifera, Myrica cerifera var. pumila, and Myrica pusilla. The Morella genus is Myricaceae family.

Parent Product

1041 - Pollens - Trees, Wax Myrtle, Myrica cerifera

Related Products

735 - Pollens - Trees, Bayberry Myrica cerifera

Published Data

PMID 557937 reported on a forestry worker skin prick test positive to bayberry only who was also treated by immunotherapy. PMID 1527315 reported that 15% of 400 consecutive subjects evaluated for allergic respiratory symptoms in the Tampa Bay area had positive skin prick test to bayberry pollen extract. Nasal and bronchial challenges and skin prick test results between controls and bayberry allergic patients were statistically significant.

PMID 751527 reported that of 92 adult patients with springtime allergy investigated with skin tests (ST), nasal provocation tests (NPT) and RAST, positive reactions, often of high intensity, were most often found with birch, alder, and bog-myrtle (Myrica gale).

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
883_ Allergy 33-299.pdf	751527	Erickson, N.E.	1978
734_ Ann Allergy 38-252.pdf	557937	Prince, H.E.	1977
734_ J Allergy Clin Immunol 90-312.pdf	1527315	Jacinto, C.M.	1992

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 1042 - Pollens - Trees, Willow Salix spp.

Recommended Scientific Name Salix, (species to be specified)

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: willow and pollen; willow and allergy

Google: willow and pollen; willow and allergy

Nomenclature

According to ITIS, there are five varieties, four subspecies, and more than 30 species of Salix genus (Salix TSN 22476). The manufacturer must identify the species. The Salix genus is found in the Salicaceae family.

Parent Product

1042 - Pollens - Trees, Willow Salix spp.

Published Data

PMID 14989384 states that there is moderate cross-reactivity between Salicaceae and Fagales based on passive hemagglutination and P-K neutralization.

PMID 12897724 states "Salicaceae contains cottonwoods, poplars, and aspens (Populus spp) and willows (Salix spp). Appearance of cross-reactivity within this family is based on skin test correlations and older work with P-K neutralization."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
783_JACI 112-229.pdf	12897724	Weber, R.W.	2003
1013_ Ann Allergy Asthma Immunol 92-A6.pdf	14989384	Weber, R.W.	2004

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 1043 - Pollens - Trees, Willow Sandbar N.W.

Recommended Scientific Name Salix sessilifolia

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: willow and pollen; willow and allergy

Google: willow and pollen; willow and allergy

Nomenclature

According to ITIS, the scientific name of the north west sandbar willow is Salix sessilifolia (TSN 22582). Additional common name is northwest willow. The common name is correct and current. The scientific name needs to be updated. Synonyms are Salix exigua var. sessilifolia, Salix fluviatilis var. sessilifolia, Salix longifolia var. sessilifolia, Salix macrostachya, Salix macrostachya var. cusickii, and Salix sessilifolia var. villosa. The Salix genus is found in the Salicaceae family.

Parent Product

1043 - Pollens - Trees, Willow Sandbar N.W.

Published Data

PMID 1147318 finds 30-45% of subjects who are tree allergic react to willow pollen. On the other hand, Adkinson states that Willow pollen is "entomophilous (pollinated by insects) and are not considered important aeroallergen sources."

PMID 14989384 states that there is moderate cross-reactivity between Salicaceae and Fagales based on passive hemagglutination and P-K neutralization.

PMID 12897724 states "Salicaceae contains cottonwoods, poplars, and aspens (Populus spp) and willows (Salix spp). Appearance of cross-reactivity within this family is based on skin test correlations and older work with P-K neutralization."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
883_ Annals Allergy 35-113.pdf.pdf	1147318	Lewis, W.H.	1975
783_ JACI 112-229.pdf	12897724	Weber, R.W.	2003
1013_ Ann Allergy Asthma Immunol 92-A6.pdf	14989384	Weber, R.W.	2004

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 1044 - Pollens - Trees, Willow Sandbar Salix fluviatillis

Recommended Common Name Willow, River

Recommended Scientific Name Salix fluviatilis

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: willow and pollen; willow and allergy

Google: willow and pollen; willow and allergy

Nomenclature

According to ITIS, the correct name of Salix fluviatillis is Salix fluviatilis (TSN 22534). The common name is river willow. The scientific and common names need to be updated. The Salix genus is found in the Salicaceae family.

Parent Product

1044 - Pollens - Trees, Willow Sandbar Salix fluviatillis

Published Data

PMID 1147318 finds 30-45% of subjects who are tree allergic react to willow pollen. On the other hand, Adkinson states that Willow pollen is "entomophilous (pollinated by insects) and are not considered important aeroallergen sources."

PMID 14989384 states that there is moderate cross-reactivity between Salicaceae and Fagales based on passive hemagglutination and P-K neutralization.

PMID 12897724 states "Salicaceae contains cottonwoods, poplars, and aspens (Populus spp) and willows (Salix spp). Appearance of cross-reactivity within this family is based on skin test correlations and older work with P-K neutralization."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
883_ Annals Allergy 35-113.pdf.pdf	1147318	Lewis, W.H.	1975
783_ JACI 112-229.pdf	12897724	Weber, R.W.	2003
1013_ Ann Allergy Asthma Immunol 92-A6.pdf	14989384	Weber, R.W.	2004

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 1045 - Pollens - Trees, Willow Weeping Salix babylonica

Recommended Scientific Name Salix X pendulina

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: willow and pollen; willow and allergy

Google: willow and pollen; willow and allergy

Nomenclature

According to ITIS, there are two accepted names for Salix babylonica: Salix X pendulina (TSN 507155) and Salix X sepulcralis (TSN 504981). The common name for both of these scientific names is weeping willow. The common name is correct and current. The scientific name needs to be updated. The Salix genus is found in the Salicaceae family.

Parent Product

1045 - Pollens - Trees, Willow Weeping Salix babylonica

Published Data

PMID 1147318 finds 30-45% of subjects who are tree allergic react to willow pollen. On the other hand, Adkinson states that Willow pollen is "entomophilous (pollinated by insects) and are not considered important aeroallergen sources."

PMID 14989384 states that there is moderate cross-reactivity between Salicaceae and Fagales based on passive hemagglutination and P-K neutralization.

PMID 12897724 states 'Salicaceae contains cottonwoods, poplars, and aspens (Populus spp) and willows (Salix spp). Appearance of cross-reactivity within this family is based on skin test correlations and older work with P-K neutralization.'

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
883_ Annals Allergy 35-113.pdf.pdf	1147318	Lewis, W.H.	1975
783_ JACI 112-229.pdf	12897724	Weber, R.W.	2003
1013_ Ann Allergy Asthma Immunol 92-A6.pdf	14989384	Weber, R.W.	2004

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 1046 - Pollens - Trees, Willow, Arroyo Salix lasiolepis

Recommended Scientific Name Salix lasiolepis

Manufacturers of this Product

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)

Search Strategy

PubMed: willow and pollen; willow and allergy

Google: willow and pollen; willow and allergy

Nomenclature

According to ITIS, the correct spelling of Salix lasiolepis is Salix lasiolepis (TSN 22551). The common name is arroyo willow. The common name is correct and current. The scientific name needs to be updated. Two varieties of S. lasiolepis are listed: bigelovii and lasiolepis. The Salix genus is found in the Salicaceae family.

Parent Product

1046 - Pollens - Trees, Willow, Arroyo Salix lasiolepis

Published Data

PMID 1147318 finds 30-45% of subjects who are tree allergic react to willow pollen. On the other hand, Adkinson states that Willow pollen is "entomophilous (pollinated by insects) and are not considered important aeroallergen sources."

PMID 14989384 states that there is moderate cross-reactivity between Salicaceae and Fagales based on passive hemagglutination and P-K neutralization.

PMID 12897724 states 'Salicaceae contains cottonwoods, poplars, and aspens (Populus spp) and willows (Salix spp). Appearance of cross-reactivity within this family is based on skin test correlations and older work with P-K neutralization.'

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
883_ Annals Allergy 35-113.pdf.pdf	1147318	Lewis, W.H.	1975
783_ JACI 112-229.pdf	12897724	Weber, R.W.	2003
1013_ Ann Allergy Asthma Immunol 92-A6.pdf	14989384	Weber, R.W.	2004

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 1047 - Pollens - Trees, Willow, Black Salix nigra

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: willow and pollen; willow and allergy
Google: willow and pollen; willow and allergy

Nomenclature

According to ITIS, the scientific name is *Salix nigra* (TSN 22484). Common name is black willow. The scientific and common names are correct and current. Synonyms are *Salix ambigua*, *S. denudate*, *S. dubia*, *S. falcate*, *S. flavovirens*, *S. ludoviciana*, *S. nigra* var. *altissima*, *S. nigra* var. *brevifolia*, *S. nigra* var. *brevijulis*, *S. nigra* var. *falcate*, *S. nigra* var. *lindheimeri*, *S. nigra* var. *longifolia*, *S. nigra* var. *marginata*, and *S. purshiana*. The *Salix* genus is found in the Salicaceae family.

Parent Product

1047 - Pollens - Trees, Willow, Black Salix nigra

Published Data

PMID 1147318 finds 30-45% of subjects who are tree allergic react to willow pollen. On the other hand, Adkinson states that Willow pollen is "entomophilous (pollinated by insects) and are not considered important aeroallergen sources."

PMID 14989384 states that there is moderate cross-reactivity between Salicaceae and Fagales based on passive hemagglutination and P-K neutralization.

PMID 12897724 states "Salicaceae contains cottonwoods, poplars, and aspens (*Populus* spp) and willows (*Salix* spp). Appearance of cross-reactivity within this family is based on skin test correlations and older work with P-K neutralization."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
883_ Annals Allergy 35-113.pdf.pdf	1147318	Lewis, W.H.	1975
783_ JACI 112-229.pdf	12897724	Weber, R.W.	2003
1013_ Ann Allergy Asthma Immunol 92-A6.pdf	14989384	Weber, R.W.	2004

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 1048 - Pollens - Trees, Willow, Creeping Salix repens

Recommended Scientific Name Salix, (species to be specified)

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: willow and pollen; willow and allergy

Google: willow and pollen; willow and allergy

Nomenclature

Neither Salix repens nor creeping willow were not found in ITIS. The scientific and common names need to be updated. The Salix genus is found in the Salicaceae family.

Parent Product

1048 - Pollens - Trees, Willow, Creeping Salix repens

Published Data

PMID 1147318 finds 30-45% of subjects who are tree allergic react to willow pollen. On the other hand, Adkinson states that Willow pollen is "entomophilous (pollinated by insects) and are not considered important aeroallergen sources."

PMID 14989384 states that there is moderate cross-reactivity between Salicaceae and Fagales based on passive hemagglutination and P-K neutralization.

PMID 12897724 states "Salicaceae contains cottonwoods, poplars, and aspens (Populus spp) and willows (Salix spp). Appearance of cross-reactivity within this family is based on skin test correlations and older work with P-K neutralization."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
883_ Annals Allergy 35-113.pdf.pdf	1147318	Lewis, W.H.	1975
783_ JACI 112-229.pdf	12897724	Weber, R.W.	2003
1013_ Ann Allergy Asthma Immunol 92-A6.pdf	14989384	Weber, R.W.	2004

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 1049 - Pollens - Trees, Willow, Goat Salix caprea

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: willow and pollen; willow and allergy

Google: willow and pollen; willow and allergy

Nomenclature

According to ITIS, the scientific name is *Salix caprea* (TSN 22515). Common name is goat willow. The scientific and common names are correct and current. The *Salix* genus is found in the Salicaceae family.

Parent Product

1049 - Pollens - Trees, Willow, Goat *Salix caprea*

Published Data

PMID 1147318 finds 30-45% of subjects who are tree allergic react to willow pollen. On the other hand, Adkinson states that Willow pollen is "entomophilous (pollinated by insects) and are not considered important aeroallergen sources."

PMID 14989384 states that there is moderate cross-reactivity between Salicaceae and Fagales based on passive hemagglutination and P-K neutralization.

PMID 12897724 states "Salicaceae contains cottonwoods, poplars, and aspens (*Populus* spp) and willows (*Salix* spp). Appearance of cross-reactivity within this family is based on skin test correlations and older work with P-K neutralization."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
883_ Annals Allergy 35-113.pdf.pdf	1147318	Lewis, W.H.	1975
783_ JACI 112-229.pdf	12897724	Weber, R.W.	2003
1013_ Ann Allergy Asthma Immunol 92-A6.pdf	14989384	Weber, R.W.	2004

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 1050 - Pollens - Trees, Willow, Pussy Salix discolor

Manufacturers of this Product

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: willow and pollen; willow and allergy
Google: willow and pollen; willow and allergy

Nomenclature

According to ITIS, the scientific name is Salix discolor (TSN 22524). The common name is pussy willow. The scientific and common names are correct and current. Synonyms are: Salix ancorifera, S. conformis, S. crassa, S. discolor var. overi, S. discolor var. prinoides, S. discolor var. rigidior, S. fuscata, S. prinoides, S. sensitiva, and S. squamata. The Salix genus is found in the Salicaceae family.

Parent Product

1050 - Pollens - Trees, Willow, Pussy Salix discolor

Published Data

PMID 1147318 finds 30-45% of subjects who are tree allergic react to willow pollen. On the other hand, Adkinson states that Willow pollen is "entomophilous (pollinated by insects) and are not considered important aeroallergen sources."

PMID 14989384 states that there is moderate cross-reactivity between Salicaceae and Fagales based on passive hemagglutination and P-K neutralization.

PMID 12897724 states "Salicaceae contains cottonwoods, poplars, and aspens (Populus spp) and willows (Salix spp). Appearance of cross-reactivity within this family is based on skin test correlations and older work with P-K neutralization."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
883_ Annals Allergy 35-113.pdf.pdf	1147318	Lewis, W.H.	1975
783_ JACI 112-229.pdf	12897724	Weber, R.W.	2003
1013_ Ann Allergy Asthma Immunol 92-A6.pdf	14989384	Weber, R.W.	2004

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 1051 - Pollens - Trees, Willow, Red Salix laevigata

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: willow and pollen; willow and allergy

Google: willow and pollen; willow and allergy

Nomenclature

According to ITIS, the scientific name is Salix laevigata (TSN 507257). The common name is red willow. The scientific and common names are correct and current. Synonyms are S. ancorifera, S. conformis, S. crassa, S. discolor var. overi, S. discolor var. prinoides, S. discolor var. rigidior, S. fuscata, S. prinoides, S. sensitive, and S. squamata. The Salix genus is found in the Salicaceae family.

Parent Product

1051 - Pollens - Trees, Willow, Red Salix laevigata

Published Data

PMID 1147318 finds 30-45% of subjects who are tree allergic react to willow pollen. On the other hand, Adkinson states that Willow pollen is "entomophilous (pollinated by insects) and are not considered important aeroallergen sources."

PMID 14989384 states that there is moderate cross-reactivity between Salicaceae and Fagales based on passive hemagglutination and P-K neutralization.

PMID 12897724 states "Salicaceae contains cottonwoods, poplars, and aspens (Populus spp) and willows (Salix spp). Appearance of cross-reactivity within this family is based on skin test correlations and older work with P-K neutralization."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
883_ Annals Allergy 35-113.pdf.pdf	1147318	Lewis, W.H.	1975
783_ JACI 112-229.pdf	12897724	Weber, R.W.	2003
1013_ Ann Allergy Asthma Immunol 92-A6.pdf	14989384	Weber, R.W.	2004

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 1052 - Pollens - Trees, Willow, Western Black, Salix lasiandra

Recommended Common Name Willow, Pacific

Recommended Scientific Name Salix lucida ssp. lasiandra

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: willow and pollen; willow and allergy

Google: willow and pollen; willow and allergy

Nomenclature

According to ITIS, the current name of Salix lasiandra is Salix lucida ssp. lasiandra (TSN 524653). Common name is Pacific willow. The scientific and common names need to be updated. Synonyms are Salix arguta, S. arguta var. erythroxoma, S. lancifolia, S. lasiandra, S. lasiandra var. abramsii, S. lasiandra var. lancifolia, S. lasiandra var. lyallii, S. lasiandra var. macrophylla, S. lasiandra var. recomponens, S. lucida var. macrophylla, S. lyallii, and S. speciosa. The Salix genus is found in the Salicaceae family.

Parent Product

1052 - Pollens - Trees, Willow, Western Black, Salix lasiandra

Published Data

PMID 1147318 finds 30-45% of subjects who are tree allergic react to willow pollen. On the other hand, Adkinson states that Willow pollen is "entomophilous (pollinated by insects) and are not considered important aeroallergen sources."

PMID 14989384 states that there is moderate cross-reactivity between Salicaceae and Fagales based on passive hemagglutination and P-K neutralization.

PMID 12897724 states "Salicaceae contains cottonwoods, poplars, and aspens (Populus spp) and willows (Salix spp). Appearance of cross-reactivity within this family is based on skin test correlations and older work with P-K neutralization."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
883_ Annals Allergy 35-113.pdf.pdf	1147318	Lewis, W.H.	1975
783_ JACI 112-229.pdf	12897724	Weber, R.W.	2003
1013_ Ann Allergy Asthma Immunol 92-A6.pdf	14989384	Weber, R.W.	2004

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 1053 - Pollens - Trees, Willow, White Salix alba

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: willow and pollen; willow and allergy
Google: willow and pollen; willow and allergy

Nomenclature

According to ITIS, the scientific name is Salix alba (TSN 565478). Common names are golden willow and white willow. The scientific and common names are correct and current. Synonyms are Salix alba ssp. caerulea, S. alba var. caerulea, S. alba var. calva, S. alba var. vitellina, S. alba ssp. vitellina, and S. vitellina. The Salix genus is found in the Salicaceae family.

Parent Product

1053 - Pollens - Trees, Willow, White Salix alba

Published Data

PMID 1147318 finds 30-45% of subjects who are tree allergic react to willow pollen. On the other hand, Adkinson states that Willow pollen is "entomophilous (pollinated by insects) and are not considered important aeroallergen sources."

PMID 14989384 states that there is moderate cross-reactivity between Salicaceae and Fagales based on passive hemagglutination and P-K neutralization.

PMID 12897724 states "Salicaceae contains cottonwoods, poplars, and aspens (Populus spp) and willows (Salix spp). Appearance of cross-reactivity within this family is based on skin test correlations and older work with P-K neutralization."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
883_ Annals Allergy 35-113.pdf.pdf	1147318	Lewis, W.H.	1975
948_ Ann Allergy Asthma Immunol 92-A6.pdf	14989384	Weber, R.W.	2004
783_ JACI 112-229.pdf	12897724	Weber, R.W.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 1054 - Pollens - Trees, Willow, Yellow Salix lasandra

Recommended Common Name Willow, Pacific

Recommended Scientific Name Salix lucida ssp. lasiandra

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: willow and pollen; willow and allergy

Google: willow and pollen; willow and allergy

Nomenclature

According to ITIS, the current spelling of Salix lasandra is Salix lasiandra. The current name is Salix lucida ssp. lasiandra (TSN 524653). Common name is Pacific willow. The scientific and common names need to be updated. Synonyms are Salix arguta, S. arguta var. erythroxoma, S. lancifolia, S. lasiandra, S. lasiandra var. abramsii, S. lasiandra var. lancifolia, S. lasiandra var. lyallii, S. lasiandra var. macrophylla, S. lasiandra var. recomponens, S. lucida var. macrophylla, S. lyallii, and S. speciosa. The Salix genus is found in the Salicaceae family.

Parent Product

1055 - Pollens - Trees, Willow, Yellow Salix lutea

Related Products

1054 - Pollens - Trees, Willow, Yellow Salix lasandra

Published Data

PMID 1147318 finds 30-45% of subjects who are tree allergic react to willow pollen. On the other hand, Adkinson states that Willow pollen is "entomophilous (pollinated by insects) and are not considered important aeroallergen sources."

PMID 14989384 states that there is moderate cross-reactivity between Salicaceae and Fagales based on passive hemagglutination and P-K neutralization.

PMID 12897724 states "Salicaceae contains cottonwoods, poplars, and aspens (Populus spp) and willows (Salix spp). Appearance of cross-reactivity within this family is based on skin test correlations and older work with P-K neutralization."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
883_ Annals Allergy 35-113.pdf.pdf	1147318	Lewis, W.H.	1975
948_ Ann Allergy Asthma Immunol 92-A6.pdf	14989384	Weber, R.W.	2004
783_ JACI 112-229.pdf	12897724	Weber, R.W.	2003

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 1055 - Pollens - Trees, Willow, Yellow Salix lutea

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: willow and pollen; willow and allergy

Google: willow and pollen; willow and allergy

Nomenclature

According to ITIS, the scientific name is *Salix lutea* (TSN 22555). Common name is yellow willow. The scientific and common names are correct and current. Synonyms are *S. cordata* var. *denveriana*, *S. cordata* var. *desolata*, *S. cordata* var. *lutea*, *S. cordata* var. *platyphylla*, *S. cordata* var. *watsonii*, *S. eriocephala* var. *famelica*, *S. eriocephala* var. *watsonii*, *S. flava*, *S. lutea* var. *desolata*, *S. lutea* var. *famelica*, *S. lutea* var. *platyphylla*, *S. lutea* var. *watsonii*, *S. ormsbyensis*, *S. rigida* var. *watsonii*, and *S. watsonii*. The *Salix* genus is found in the *Salicaceae* family.

Parent Product

1055 - Pollens - Trees, Willow, Yellow *Salix lutea*

Related Products

1054 - Pollens - Trees, Willow, Yellow *Salix lasandra*

Published Data

PMID 1147318 finds 30-45% of subjects who are tree allergic react to willow pollen. On the other hand, Adkinson states that Willow pollen is "entomophilous (pollinated by insects) and are not considered important aeroallergen sources."

PMID 14989384 states that there is moderate cross-reactivity between *Salicaceae* and *Fagales* based on passive hemagglutination and P-K neutralization.

PMID 12897724 states "Salicaceae contains cottonwoods, poplars, and aspens (*Populus* spp) and willows (*Salix* spp). Appearance of cross-reactivity within this family is based on skin test correlations and older work with P-K neutralization."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
883_ Annals Allergy 35-113.pdf.pdf	1147318	Lewis, W.H.	1975
783_ JACI 112-229.pdf	12897724	Weber, R.W.	2003
1013_ Ann Allergy Asthma Immunol 92-A6.pdf	14989384	Weber, R.W.	2004

<u>Panels:</u>	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 1056 - Pollens - Trees, Yew Ornamental Taxus baccata

Recommended Common Name Yew, English

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Yew + pollen; Yew + allergy reveals taxol allergy literature

Google: Yew + allergy

Nomenclature

According to ITIS, the scientific name is *Taxus baccata* (TSN 194883). The common name is English yew. The scientific name is correct and current. The common name needs to be updated. The *Taxus* genus is found in the Taxaceae family.

Parent Product

1056 - Pollens - Trees, Yew Ornamental *Taxus baccata*

Published Data

PMID 11683342 discusses the Japanese yew (*T. cuspidate*) pollinosis. Five out of 18 patients were sensitized to *T. cuspidate*. PMID 11842324 describes cross-reactivity between Cupressaceae, Taxodiaceae, and Podocarpaceae. *Taxus baccata* was included in the extracts used for skin prick testing and 27% had positive skin prick test results.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1056_ Auris Nasus Larynx 28-S43.pdf	11683342	Maguchi, S	2001
1056_ Planta Med 68-36.pdf	11842324	Vanhaelen, M	0

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I