

Product: 1057 - Pollens - Weeds and Garden Plants, Alfalfa Medicago sativa

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: alfalfa allergen; alfalfa allergy; alfalfa immunotherapy; Medicago sativa allergy; Medicago sativa allergen; Medicago sativa immunotherapy; Alfalfa pollen
Google: alfalfa allergy; alfalfa allergy adverse; alfalfa allergen; alfalfa allergen adverse; same search results performed for Medicago sativa

Nomenclature

According to ITIS, the scientific name is Medicago sativa (TSN 183623). The common name is alfalfa. The scientific and common names are correct and current. There are two subspecies listed: M. sativa ssp. falcate and sativa. The Medicago genus is found in the Fabaceae family.

Parent Product

1057 - Pollens - Weeds and Garden Plants, Alfalfa Medicago sativa

Published Data

PMID: 9109711: One article described skin prick testing with inhalent allergens, including Alfalfa, Medicago sativa from "Hollister-Stier, (now Miles, Inc., Connecticut, USA)" on a Saudi Arabian population, including North American expatriots.
PMID: 6733890: Positive skin test results were recorded for M. sativa (13.5%) in this Mediterranean study of pollen counts and pollinosis.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
563_ Ann Allergy Asthma Immunol-78-415.pdf	9109711	Suliaman, F.A.	1997
1090_ ClinicalAllergy14-249-258.pdf	6733890	Bousquet, J.	1984

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

Product: 1058 - Pollens - Weeds and Garden Plants, Allscale Atriplex polycarpa

Recommended Common Name Saltbush, Desert

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: atriplex, atriplex polycarpa, saltbush, (+ allergy + allergen, + cross-reactivity, + diagnosis, + spt, + immunotherapy)
Google: atriplex, atriplex polycarpa, saltbush, (+ allergy, + allergen, + cross-reactivity, + diagnosis, + spt, + immunotherapy)

Nomenclature

According to ITIS, the scientific name is Atriplex polycarpa (TSN 20559). The common names are Cattle saltbush and desert saltbush. The scientific name is correct and current. The common name needs to be updated. No synonyms are listed. The Atriplex genus is found in the Chenopodiaceae family.

Parent Product

1058 - Pollens - Weeds and Garden Plants, Allscale Atriplex polycarpa

Related Products

1234 - Pollens - Weeds and Garden Plants, Scale, All Atriplex polycarpa

Published Data

PMID:16264339, 11725603, 12897724: Plants of this genus may produce large amounts of airborne pollen and cause hay fever. Cross-reactivity among the different individual species of the genus could be expected, as well as a certain degree within the family Chenopodiaceae (Goosefoot).

PMID: 2581481: Atriplex latifolia (saltbush) extract compared in vitro and in vivo methods in a study with Chenopodium album. Skin prick tests on 20 C album-sensitive patients were positive with all extracts. RAST inhibition indicates that common allergenic determinants are present. Cross-reactivity was seen between C. album and A. latifolia. In several papers, A. latifolia is proven to be cross-reactive with other Atriplex species (wingscale, allscale, and lenscale) suggesting some degree of cross-reactivity within the genus. An abstract published in the J Allergy Clin Immunol in 1979 (volume 61 page 172): C. album compared for cross-reactivity and cross-allergenicity by skin testing in allergic patients, RAST inhibition and Ouchterlony with rabbit antisera against allergen extracts. C. album was most similar to the Atriplex, allscale, lenscale, wingscale and saltbush.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1234_Curr Opin Allergy Clin Immunol 5-563.pdf	16264339	Weber, R.W.	2005
1136_Ann Allergy 54 - 430.pdf	2581481	Lombardero, M.	1985
1234_J Allergy Clin Immunol 61-172.pdf	--	Weber, R.W.	1978
1163_Clin Rev Allergy 21-153.pdf	11725603	Weber, R.W.	2001
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: 1059 - Pollens - Weeds and Garden Plants, Amaranth *Amaranthus retroflexus*

Recommended Common Name Amaranth, Red-root

Manufacturers of this Product

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

Search Strategy

PubMed: Amaranthus AND Allergy

Google: Amaranthus retroflexus

Nomenclature

According to ITIS, the scientific name is *Amaranthus retroflexus* (TSN 20745). Common names careless weed, pigweed, red-root amaranth, redroot amaranth, redroot pigweed, and rough pigweed. The scientific name is correct and current. The common name needs to be updated. Synonym is *Amaranthus retroflexus* var. *salicifolius*. *Amaranthus retroflexus* is part of the *Amaranthaceae* family.

Parent Product

1059 - Pollens - Weeds and Garden Plants, Amaranth *Amaranthus retroflexus*

Published Data

PMID 9723663: In this paper, *Amaranthus retroflexus* was characterized using SDS-PAGE, RAST, skin prick test, crossed radioimmuno-electrophoresis (CRIE), and immunoblotting. Amaranth extract contained 14 protein bands. Two of the 14 bands were considered major bands.

PMID 12897724 states that there is strong cross-allergenicity between Amaranths and between *Atriplex* species.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1059_Allergy50-489-497.pdf	9723663	Goldberg, A.	1998
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: 1060 - Pollens - Weeds and Garden Plants, Amaranth, Green Amaranthus hybridus

Recommended Common Name Amaranth, Smooth

Manufacturers of this Product

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: Green Amaranthus hybridus; Amaranthus hybridus

Google: Amaranthus hybridus

Nomenclature

According to ITIS, the scientific name is Amaranthus hybridus (TSN 20735). Common name is green pigweed, slim amaranth, smooth amaranth, and smooth pigweed. The scientific and common names are correct and current. Synonyms are Amaranthus chlorostachys, A. incurvatus, and A. patulus. The Amaranthus genus is found in the Amaranthaceae family.

Parent Product

1060 - Pollens - Weeds and Garden Plants, Amaranth, Green Amaranthus hybridus

Published Data

PMID 12897724 states that there is strong cross-allergenicity between Amaranths and between Atriplex species.

<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: 1061 - Pollens - Weeds and Garden Plants, Amaranths, Mixed Amaranthus spp.

Recommended Scientific Name Amaranthus, (species to be specified)

Manufacturers of this Product

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

Search Strategy

PubMed: amaranth and pollen allergy, skin prick test

Google: amaranth allergy; amaranth allergy adverse; amaranth allergen; amaranth allergen adverse; same search results performed for Amaranthus

Nomenclature

According to ITIS, there are forty-two species within the Amaranthus (TSN 20715) genus. The scientific and common names need to be updated. The Amaranthus genus is in the Amaranthaceae family.

Parent Product

1061 - Pollens - Weeds and Garden Plants, Amaranths, Mixed Amaranthus spp.

Published Data

PMID 12897724 states that there is strong cross-allergenicity between Amaranths and between Atriplex species.

<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: 1062 - Pollens - Weeds and Garden Plants, Baccharis spp.

Recommended Scientific Name Baccharis, (species to be specified)

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: Groundsel AND Allergy; Baccharis; Asteraceae and SPT

Google: Baccharis allergy; Baccharis allergy adverse; Baccharis allergen; Baccharis allergen adverse

Nomenclature

According to the ITIS, there are one variety and twenty-five species of Baccharis (TSN 35681). The scientific and common names need to be updated. The Baccharis genus is found in the Asteraceae family.

Parent Product

1062 - Pollens - Weeds and Garden Plants, Baccharis 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: 1063 - Pollens - Weeds and Garden Plants, Balsam Root Balsamorhiza sagittata

Recommended Common Name Balsamroot, Arrowleaf

Manufacturers of this Product

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

Search Strategy

PubMed: Balsam Root AND Allergy

Google: Balsamorhiza sagittata, human safety

Nomenclature

According to the ITIS, the scientific name is Balsamorhiza sagittata (TSN 36818). The common name is arrowleaf balsamroot. The scientific name is correct and current. The common name needs to be updated. The Balsamorhiza genus is found in the Asteraceae family.

Parent Product

1063 - Pollens - Weeds and Garden Plants, Balsam Root Balsamorhiza sagittata

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: 1064 - Pollens - Weeds and Garden Plants, Bassia Bassia hyssopifolia

Recommended Common Name Smotherweed

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: Bassia Bassia hyssopifolia; Bassia and allergy; Bassia hyssopifolia taxonomy

Google: Bassia hyssopifolia

Nomenclature

According to ITIS, the scientific name is Bassia hyssopifolia (TSN 20588). Common names are fivehook bassia, fivehorn smotherweed, smother weed, and smotherweed. The scientific name is correct and current. The common name needs to be updated. Synonyms are Echinopsilon hyssopifolius and Kochia hyssopifolia. The Bassia genus is found in the Chenopodiaceae family.

Parent Product

1064 - Pollens - Weeds and Garden Plants, Bassia Bassia hyssopifolia

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: 1065 - Pollens - Weeds and Garden Plants, Beach Bur Ambrosia chamissonia

Recommended Scientific Name Ambrosia chamissonis

Manufacturers of this Product

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

Search Strategy

PubMed: Ambrosia chamissonia; Ambrosia SPT

Google: beach bur allergy; beach bur allergy adverse; beach bur allergen; allergen adverse; same search results performed for Ambrosia chamissonia

Nomenclature

According to ITIS, the correct spelling of Ambrosia chamissonia is Ambrosia chamissonis (TSN 36501). Common names are beach-bur and silver burr ragweed. The common name is correct and current. The scientific name needs to be updated. Synonyms are Ambrosia chamissonis var. bipinnatisecta, Franseria chamissonis, Franseria chamissonis ssp. bipinnatisecta, and Franseria chamissonis var. bipinnatisecta. The Ambrosia genus is found in the Asteraceae family.

Parent Product

1065 - Pollens - Weeds and Garden Plants, Beach Bur Ambrosia chamissonia

Related Products

1066 - Pollens - Weeds and Garden Plants, Beach Bur Franseria bipinnatifida

1067 - Pollens - Weeds and Garden Plants, Beach Sandbur Franseria chamissonis

Published Data

PMID 12897724 and 11725603: Weber reported that there is cross-reactivity among short, giant, western, false ragweeds, and other ragweeds that are wind pollinated.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
783_JACI 112-229.pdf	12897724	Weber, R.W.	2003
1163_Clin Rev Allergy 21-153.pdf	11725603	Weber, R.W.	2001

Panels:

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

Product: 1066 - Pollens - Weeds and Garden Plants, Beach Bur *Franseria bipinnatifida*

Recommended Scientific Name *Ambrosia chamissonis*

Manufacturers of this Product

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

Search Strategy

PubMed: *Franseria bipinnatifida*; Beach Bur; *Franseria*

Google: beach bur allergy; beach bur allergy adverse; beach bur allergen; allergen adverse; same search results performed for *Franseria bipinnatifida*

Nomenclature

According to ITIS the scientific name of Beach-Bur is *Ambrosia chamissonis*. The common name is correct and current. The scientific name needs to be updated. Additional common names are silver bur ragweed and silver burr ragweed. ITIS does not list *Franseria bipinnatifida*. Synonyms of *Ambrosia chamissonis* are *Ambrosia chamissonis* var. *bipinnatisecta*, *Franseria chamissonis*, *Franseria chamissonis* ssp. *bipinnatisecta*, and *Franseria chamissonis* var. *bipinnatisecta*. The *Ambrosia* genus is found in the Asteraceae family.

Parent Product

1065 - Pollens - Weeds and Garden Plants, Beach Bur *Ambrosia chamissonia*

Related Products

1066 - Pollens - Weeds and Garden Plants, Beach Bur *Franseria bipinnatifida*

1067 - Pollens - Weeds and Garden Plants, Beach Sandbur *Franseria chamissonis*

Published Data

PMID 12897724 and 11725603: Weber reported that there is cross-reactivity among short, giant, western, false ragweeds, and other ragweeds that are wind pollinated.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
783_ JACI 112-229.pdf	12897724	Weber, R.W.	2003
1163_ Clin Rev Allergy 21-153.pdf	11725603	Weber, R.W.	2001

Panels:

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

Product: 1067 - Pollens - Weeds and Garden Plants, Beach Sandbur *Franseria chamissonis*

Recommended Common Name Ragweed, Beach Bur

Recommended Scientific Name Ambrosia chamissonis

Manufacturers of this Product

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

Search Strategy

PubMed: *Franseria chamissonis*; *Franseria chamissonis*

Google: Beach sandbur allergy; Beach sandbur allergy adverse; Beach sandbur allergen; Beach sandbur allergen adverse; same search results performed for *Franseria chamissonis*

Nomenclature

According to ITIS, the scientific name of *Franseria chamissonis* is *Ambrosia chamissonis* (TSN 36501). Common names are beach-bur, silver bur ragweed, and silver burr ragweed. The scientific and common names need to be updated. Synonyms are *Ambrosia chamissonis* var. *bipinnatisecta*, *Franseria chamissonis*, *Franseria chamissonis* ssp. *bipinnatisecta*, and *Franseria chamissonis* var. *bipinnatisecta*. The *Ambrosia* genus is found in the Asteraceae family.

Parent Product

1065 - Pollens - Weeds and Garden Plants, Beach Bur *Ambrosia chamissonia*

Related Products

1066 - Pollens - Weeds and Garden Plants, Beach Bur *Franseria bipinnatifida*

1067 - Pollens - Weeds and Garden Plants, Beach Sandbur *Franseria chamissonis*

Published Data

PMID 12897724 and 11725603: Weber reported that there is cross-reactivity among short, giant, western, false ragweeds, and other ragweeds that are wind pollinated.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
783_JACI 112-229.pdf	12897724	Weber, R.W.	2003
1163_Clin Rev Allergy 21-153.pdf	11725603	Weber, R.W.	2001

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

Product: 1068 - Pollens - Weeds and Garden Plants, Bear Brass Xerophyllum tenax

Recommended Common Name Beargrass, Common

Manufacturers of this Product

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

Search Strategy

PubMed: Xerophyllum tenax yielded; Xerophyllum yielded; Bear Brass yielded

Google: bear brass allergy; bear brass allergy adverse; bear brass allergen; bear brass allergen adverse; same search results performed for Xerophyllum tenax

Nomenclature

According to the ITIS, the scientific name, Xerophyllum tenax (TSN 505768). The common name is common beargrass. The scientific name is correct and current. The common name needs to be updated. Synonym is Helonias tenax. The Xerophyllum genus is found in the Liliaceae family.

Parent Product

1068 - Pollens - Weeds and Garden Plants, Bear Brass Xerophyllum tenax

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: 1069 - Pollens - Weeds and Garden Plants, Bitter Brush Purshia Tridentata

Recommended Common Name Bitterbrush, Antelope

Manufacturers of this Product

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

Search Strategy

PubMed: Purshia Tridentata

Google: bitterbrush pollen allergy; bitterbrush pollen allergy adverse; bitterbrush pollen allergen; bitterbrush pollen allergen adverse; same search results performed for Purshia tridentata

Nomenclature

According to the ITIS, the scientific name, Purshia tridentata (TSN 25290). The common name is antelope bitterbrush. The scientific name is correct and current. The common name needs to be updated. The Purshia genus is found in the Rosaceae family.

Parent Product

1069 - Pollens - Weeds and Garden Plants, Bitter Brush Purshia Tridentata

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: 1070 - Pollens - Weeds and Garden Plants, Bitterdock, Rumex obtusifolia

Recommended Scientific Name Rumex obtusifolius

Manufacturers of this Product

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

Search Strategy

PubMed: Rumex obtusifolia; Rumex AND SPT

Google: bitter dock pollen allergy; bitter dock pollen allergy adverse; bitter dock pollen allergen; bitter dock pollen allergen adverse; same search results performed for Rumex obtusifolia

Nomenclature

According to the ITIS, the scientific name of Rumex obtusifolia is Rumex obtusifolius (TSN 20939). Common names are bitter dock and blunthead dock. The common name is correct and current. The scientific name needs to be updated. Synonyms are Acetosa oblongifolia, Rumex obtusifolius ssp. agrestis, Rumex obtusifolius ssp. sylvestris, and Rumex obtusifolius var. sylvestris. Rumex obtusifolius obtusifolius is listed as a variety of this genus and species. The Rumex genus is found in the Polygonaceae family.

Parent Product

1104 - Pollens - Weeds and Garden Plants, Dock, Bitter Rumex obtusifolius

Related Products

1070 - Pollens - Weeds and Garden Plants, Bitterdock, Rumex obtusifolia

Published Data

Panel I (pg 3141) found one report (Ref. 54) for diagnosis of Rumex acetosella (sheep sorrel).

PMID 12897724 indicates that there are few cross-reactivity data available for the Polygonaceae family.

<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: 1071 - Pollens - Weeds and Garden Plants, Bracken Fern (Spores) Pteridium aquillinum

Recommended Common Name Fern, Bracken Spores

Recommended Scientific Name Pteridium aquilinum

Manufacturers of this Product

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

Search Strategy

PubMed: Pteridium aquilinum; Pteridium

Google: bracken fern pollen allergy; bracken fern pollen allergy adverse; bracken fern pollen allergen; bracken fern pollen allergen adverse; same search results performed for Pteridium aquilinum and Pteridium aquilinum

Nomenclature

According to ITIS, the scientific name of Pteridium aquilinum is Pteridium aquilinum (TSN 17224). Common names are bracken, bracken fern, northern bracken fern, and western brackenfern. The scientific and common names need to be updated. Synonym is Pteris aquilina. There are five varieties of P. aquilinum listed: decompositum, latiusculum, pseudocaudatum, and pubescens. The Pteridium genus is found in the Dennstaedtiaceae family.

Parent Product

1071 - Pollens - Weeds and Garden Plants, Bracken Fern (Spores) Pteridium aquilinum

Published Data

PMID 10883670: In this article, DNA damage is caused by the spore extract of Pteridium aquilinum. The web page, <http://museum.gov.ns.ca/poison/brack>

en.htm, indicated that the leaves and stems can be toxic to humans if ingested. The consumption of young leaf blades named "fiddlehead" is toxic.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1071_BrJCancer83-69-73.pdf	10883670	Simán, S.E.	2000

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

Product: 1072 - Pollens - Weeds and Garden Plants, Brittlebush Encelia ferinosa

Recommended Common Name Brittlebush, White

Recommended Scientific Name Encelia farinosa

Manufacturers of this Product

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

Search Strategy

PubMed: Encelia ferinosa; Encelia farinose; Encelia

Google: brittlebush pollen allergy; brittlebush pollen allergy adverse; brittlebush pollen allergen; brittlebush pollen allergen adverse; same search results performed for Encelia ferinosa and Encelia farinosa

Nomenclature

According to the ITIS, the correct name of Encelia ferinosa is Encelia farinosa (TSN 37308). The common names are goldenhills and white brittlebush. The scientific and common names need to be updated. There are three varieties of E. farinose: farinose, phenicodonta, and radians. The Encelia genus is found in the Asteraceae family.

Parent Product

1072 - Pollens - Weeds and Garden Plants, Brittlebush Encelia ferinosa

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: 1073 - Pollens - Weeds and Garden Plants, Broomwood Gutierrezia dracunculoides

Recommended Common Name Broomwood, Common

Recommended Scientific Name Amphiachyris dracunculoides

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: Gutierrezia; Gutierrezia dracunculoides; Broomwood; broomweed; Amphiachyris

Google: broomwood pollen allergy; broomwood pollen allergy adverse; broomwood pollen allergen; broomwood pollen allergen adverse; same search results performed for Gutierrezia dracunculoides and Amphiachyris dracunculoides

Nomenclature

According to the ITIS, the scientific name of Gutierrezia dracunculoides is Amphiachyris dracunculoides (TSN 36525). Common names are common broomweed and prairie broomweed. The scientific and common names need to be updated. Synonyms are: Brachyris dracunculoides, Gutierrezia dracunculoides, and Xanthocephalum dracunculoides. The Amphiachyris genus is found in the Asteraceae family.

Parent Product

1073 - Pollens - Weeds and Garden Plants, Broomwood Gutierrezia dracunculoides

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: 1074 - Pollens - Weeds and Garden Plants, Bullrush Scirpus spp.

Recommended Scientific Name Scirpus, (species to be specified)

Manufacturers of this Product

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

Search Strategy

PubMed: Scirpus spp.; Scirpus

Google: Scirpus, allergy; Scirpus, allergen; Scirpus, diagnosis; Scirpus, therapy

Nomenclature

According to ITIS, there are twenty-three species within the Scirpus genus (TSN 40225). The common name is 'bulrush'. The scientific and common names need to be updated. The Scirpus genus is found in the Cyperaceae family.

Parent Product

1074 - Pollens - Weeds and Garden Plants, Bullrush Scirpus 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: 1075 - Pollens - Weeds and Garden Plants, Burning Bush-Summer Cypress Kochia scoparia

Recommended Common Name Cypress, Summer

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: Kochia scoparia, allergy; pollen allergy, skin test; allergenic extract

Google: Kocia scaparia, toxic

Nomenclature

According to ITIS, the scientific name is Kochia scoparia (TSN 20696). Common names are: common kochia, fireweed, kochia, Mexican bruningbush, Mexican firweed, mock cypress, and summer cypress. The scientific name is correct and current. The common name needs to be updated. Synonyms are: Bassia scoparia, Bassia sieversiana, Kochia alata, K. scoparia var. culta, K. scoparia var. pubescens, K. scoparia var. subvillosa, K. scoparia var. trichophila, K. sieversiana, and K. trichophila. The Kochia genus is found in the Chenopodiaceae family.

Parent Product

1075 - Pollens - Weeds and Garden Plants, Burning Bush-Summer Cypress Kochia scoparia

Related Products

1115 - Pollens - Weeds and Garden Plants, Firebush, Kochia scoparia

1133 - Pollens - Weeds and Garden Plants, Kochia (Mexican Firebush) Kochia scoparia

Published Data

Panel 1 (pg. 3138) reported on a study where passive transfer tests were positive using sera from three patients.

PMID 9109711: 51% of patients were skin prick test positive to Kocia.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
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>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 1076 - Pollens - Weeds and Garden Plants, Burro Brush Hymenoclea salsola (Greasebush)

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: Hymenoclea salsola; white burrobrush; burrobrush; Greasebush

Google: Hymenoclea salsola; Hymenoclea salsola and burrobrush; Hymenoclea salsola and greasebush; Hymenoclea salsola and toxic

Nomenclature

According to the ITIS database, the scientific name is Hymenoclea salsola (TSN 37762). Common names are burrobrush and white burrobrush. The scientific and common names are correct and current. There are three varieties of H. salsola: fasciculate, pentalepis, and salsola. The Hymenoclea genus is found in the Asteraceae family.

Parent Product

1076 - Pollens - Weeds and Garden Plants, Burro Brush Hymenoclea salsola (Greasebush)

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: 1077 - Pollens - Weeds and Garden Plants, Burro Brush, Northern Hymenoclea monogyra

Recommended Common Name Burrobrush, Cheeseweed

Manufacturers of this Product

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

Search Strategy

PubMed: Hymenoclea monogyra; Hymenoclea

Google: Hymenoclea monogyra; Hymenoclea monogyra and toxic

Nomenclature

According to the ITIS database, the scientific name is Hymenoclea monogyra (TSN 503114). Common names are cheeseweed burrobrush, singlewhorf burrobrush, and singlewhorf burrobush. The scientific name is correct and current. The common name needs to be updated. The Hymenoclea genus is found in the Asteraceae family.

Parent Product

1077 - Pollens - Weeds and Garden Plants, Burro Brush, Northern Hymenoclea monogyra

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: 1078 - Pollens - Weeds and Garden Plants, Buttercup Creeping-European Ranunculus repens

Recommended Common Name Buttercup, Creeping

Manufacturers of this Product

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

Search Strategy

PubMed: Buttercup Creeping; Ranunculus repens

Google: buttercup pollen allergy; buttercup pollen allergy adverse; buttercup pollen allergen; buttercup pollen allergen adverse; same search results performed for Ranunculus repens

Nomenclature

According to ITIS, the scientific name is Ranunculus repens (TSN 18642). Common name is creeping buttercup. The scientific name is correct and current. The common name needs to be updated. There are seven varieties of Ranunculus repens listed as synonyms. The varieties are: degeneratus, erectus, glabratus, linearilobus, pleniflorus, typicus, and villosus. The Ranunculus genus is found in the Ranunculaceae family.

Parent Product

1078 - Pollens - Weeds and Garden Plants, Buttercup Creeping-European Ranunculus repens

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: 1079 - Pollens - Weeds and Garden Plants, Buttercup Ranunculus bulbosus

Recommended Common Name Buttercup, Bulbous

Manufacturers of this Product

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

Search Strategy

PubMed: Ranunculus bulbosus; Ranunculus; blister flower

Google: Ranunculus bulbosus; Ranunculus bulbosus and toxic

Nomenclature

According to the ITIS database, the scientific name is Ranunculus bulbosus (TSN 18594). Common names used are blister flower, bulbous buttercup, bulbous crowfoot, gowan, St. Anthony's turnip, and yellow weed. The scientific name is correct and current. The common name needs to be updated. There are two varieties of Ranunculus bulbosus listed as synonyms: The varieties are Ranunculus bulbosus var. dissectus and Ranunculus bulbosus var. valdepubens. The Ranunculus genus is found in the Ranunculaceae family.

Parent Product

1079 - Pollens - Weeds and Garden Plants, Buttercup Ranunculus bulbosus

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: 1080 - Pollens - Weeds and Garden Plants, Cactus Opuntia occidentalis

Recommended Common Name Cactus, Apple

Recommended Scientific Name Opuntia engelmannii var. engelmannii

Manufacturers of this Product

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

Search Strategy

PubMed: Opuntia occidentalis; Opuntia

Google: Opuntia occidentalis; Opuntia occidentalis and toxic; Opuntia occidentalis and allergy

Nomenclature

The scientific name Opuntia occidentalis is not listed in ITIS. According to the USDA PLANTS database, O. occidentalis is listed a synonym of Opuntia engelmannii var. engelmannii. ITIS lists the common name of Opuntia engelmannii var. engelmannii as cactus apple, desert pricklypear, Engelmann pricklypear. The scientific and common names need to be updated. The Opuntia genus is found in the Cactaceae family.

Parent Product

1080 - Pollens - Weeds and Garden Plants, Cactus Opuntia occidentalis

Published Data

PMID 15606658: A case report noted that allergic contact reaction from Opuntia fiscus-indica can occur.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1080_ContactDermatitis51-311-322.pdf	15606658	Yoon, HJ	2004

Panels:

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

Product: 1081 - Pollens - Weeds and Garden Plants, Careless Weed Amaranthus palmeri

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: Palmer amaranth; Palmer's amaranth; pigweed and pollen allergy, skin prick test
Google: Palmer amaranth allergy; Palmer amaranth allergy adverse; Palmer amaranth allergen; Palmer amaranth allergen adverse; same search results performed for Amaranthus palmerii

Nomenclature

According to ITIS, the scientific name is Amaranthus palmeri (TSN 20740). Common names are carelessweed, Palmer amaranth, and Palmer's amaranth. The scientific and common names are correct and current. The Amaranthus genus is found in the Amaranthaceae family.

Parent Product

1156 - Pollens - Weeds and Garden Plants, Palmer's Amaranth Amaranthus palmerii

Related Products

1081 - Pollens - Weeds and Garden Plants, Careless Weed Amaranthus palmeri

Published Data

Panel 1 cited several references (Refs 43, 44, 122, 142, 149 and 151 - pg 3136) reporting high cross-reactivity among genus (pigweed). Sellers and Adams (Ref 122) and Wodehouse (Ref 142), using gel diffusion technique, showed that Amaranthus spinosus, A. palmeri, A. retroflexus, and Acnida tamariscina (from genus Acnida) contain identical antigens and in nearly the same proportions. Furthermore, they showed that the same four Amaranthaceae pollens have the antigenic similarity with Chenopodaceae including Salsola pestifer, Kohia scopario, Chenopodium album, Atriplex canescens, and Atriplex Wrightii. (Botanically both families Amaranthaceae and Chenopodaceae are closely related). Lindenbaum (Ref.110) reported 9 patients with hay fever or asthma during the amaranth pollen season and had positive skin reactions to amaranth pollen.

A review in PMID: 12897724 indicated a strong cross-allergenicity among Amaranthus species; and cross-inhibition between some chenopods and amaranths.

PMID: 15479271 reported that overall aeroallergen skin test reactivity increased throughout childhood. The prevalence of positive skin tests for A. palmeri pollen extract (1:20 w/v, Hollister-Stier) increased from 12% (at age 6) to 24.6% (the same patients at age 11).

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1156_Clin Exp Allergy 2004 Oct 34 10 1563-669.pdf	15479271	Stern, DA	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 I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 1082 - Pollens - Weeds and Garden Plants, Carrot, Wild (Queen Anne's Lace) Daucus carota

Recommended Common Name Carrot, Wild

Manufacturers of this Product

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

Search Strategy

PubMed: Daucus carota ; Daucus carota SPT; Daucus carota IT; Daucus carota Allergy

Google: Daucus carota; Daucus carota and SPT; Daucus carota and allergy; Daucus carota and toxic

Nomenclature

According to the ITIS database, the scientific name is Daucus carota (TSN 29477). The genus and species are correct. Common names are bird's nest, Queen Anne's lace, and wild carrot. The scientific name is correct and current. The common name needs to be updated. There are two subspecies of D. carota: carota and sativus. The Daucus genus is found in the Apiaceae family.

Parent Product

1082 - Pollens - Weeds and Garden Plants, Carrot, Wild (Queen Anne's Lace) Daucus carota

Published Data

No supportive data were identified.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1082_Allergy51-425-429.pdf	8837668	Gómez, M	1996
1082_AnnAllergyAsthmaImmunol74-152-154.pdf	7697474	Schwartz, H.J.	1995
1082_ContactDermatitis35-157-162.pdf	8930476	Kanerva, L.	1996
1082_JAllergyClinImmunol99-718-719.pdf	9155842	Quirce, S.	1997
1082_AnnAllergyAsthmaImmunol83-71-75.pdf	10437820	Moneo, I.	1999
1082_AllergyClinImmunol108-301-307.pdf	11496252	Ballmer-Weber, B.K.	2001
1082_ClinlandExpAllergy29-840-847.pdf	10336602	Hoffmann-Sommergru	1999
1082_Clinexpallergy35-970-978.pdf	16008686	Ballmer-Weber, B.K.	2005
1082_Allergy59-786-791.pdf	15180768	Agustin-Ubide, M.P.	2004
1082_Clinandexpallergy28-434-441.pdf	9641569	Boehncke, W.H.	1998
1082_Allergy59-1239-1240.pdf	15461613	Fernández-Rivas, M.	2004

Panels:

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

Product: 1083 - Pollens - Weeds and Garden Plants, Castor Bean Ricinus communis

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: Ricinus communis allergy; Ricinus communis SPT
Google: castro bean pollen allergy; castro bean pollen allergy adverse; castro bean pollen allergen; castro bean pollen allergen adverse; same search results performed for Ricinus communis

Nomenclature

According to the ITIS, the scientific name is Ricinus communis (TSN 28393). Common names of Ricinus communis are: agaliya, castor bean, castorbean, lama palagi, maskerekur, toto ni vavalagi, and uluchula skoki. The scientific and common names are correct and current. The Ricinus genus is found in the Euphorbiaceae family.

Parent Product

1083 - Pollens - Weeds and Garden Plants, Castor Bean Ricinus communis

Related Products

567 - Pollens - Cultivated Farm Plants, Castor Bean Ricinus communis

Published Data

Several papers (PMID 12001793, 6214962, 5902115, 6976240, 9363906, 10469037, and 8160568) used an extract Ricinus communis to perform skin prick tests and RAST. Ricin is a potent toxin (<http://www.bt.cdc.gov/agent/ricin/facts.asp>).

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1083_ Allergy and Asthma Proc.23-141-147.pdf	12001793	Palosuo, T.	2002
1083_ Allergy37 313-322.pdf	6214962	Osterman, K.	1982
1083_ AnnalsofAllergy2423-25.pdf	5902115	Lindenbaum, S.E.	1966
1083_ ClinicalAllergy11463-467.pdf	6976240	Kemeny, D.M.	1981
1083_ Int.ArchAllergyImmunol114-251-257.pdf	9363906	Singh, B.P.	1997
1083_ Clinexall29-1265-75.pdf	10469037	García-González, J.J.	1999
1083_ AllergolImmunopathol21 211-219.pdf	8160568	Panzani, R.C.	1993

Panels:

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

Product: 1084 - Pollens - Weeds and Garden Plants, Cattail Typha spp

Recommended Scientific Name Typha, (species to be specified)

Manufacturers of this Product

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

Search Strategy

PubMed: Typha spp; Typha; Cattail allergy

Google: cattail pollen allergy; cattail pollen allergy adverse; cattail pollen allergen; cattail pollen allergen adverse; same search results performed for Typha angustifolia

Nomenclature

According to ITIS, there are four species listed within the Typha genus (TSN 42324). The scientific and common names need to be updated. The Typha genus is found in the Typhaceae family.

Parent Product

1084 - Pollens - Weeds and Garden Plants, Cattail Typha 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: 1085 - Pollens - Weeds and Garden Plants, Cattail, Narrowleaved Typha angustifolia

Manufacturers of this Product

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

Search Strategy

PubMed: Typha angustifolia

Google: cattail pollen allergy; cattail pollen allergy adverse; cattail pollen allergen; cattail pollen allergen adverse; same search results performed for Typha angustifolia

Nomenclature

According to the ITIS, the scientific name is Typha angustifolia (TSN 42325). Common names of Typha angustifolia are narrow-leaf cat-tail and narrowleaf cattail. The scientific and common names are correct and current. Synonyms are Typha angustifolia var. calumetensis and Typha angustifolia var. elongata. The Typha genus is found in the Typhaceae family.

Parent Product

1085 - Pollens - Weeds and Garden Plants, Cattail, Narrowleaved Typha angustifolia

Published Data

No supportive data were identified.

Panels:

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

Product: 1086 - Pollens - Weeds and Garden Plants, Cattail, Typha latifolia

Manufacturers of this Product

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

Search Strategy

PubMed: grass pollen allergy, Cattail allergy, Typha latifolia allergy

Google: cattail pollen allergy; cattail pollen allergy adverse; cattail pollen allergen; cattail pollen allergen adverse; same search results performed for Typha latifolia

Nomenclature

According to ITIS, the scientific name is Typha latifolia (TSN 42326). Common names are broadleaf cattail, cattail, and common cattail. The scientific and common names are correct and current. The Typha genus is found in the Typhaceae family.

Parent Product

1086 - Pollens - Weeds and Garden Plants, Cattail, Typha latifolia

Related Products

628 - Pollens - Grasses, Cattail Typha latifolia

Published Data

No supportive data were identified.

Panels:

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

Product: 1087 - Pollens - Weeds and Garden Plants, Chamise Adenostoma spp.

Recommended Scientific Name Adenostoma, (species to be specified)

Manufacturers of this Product

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

Search Strategy

PubMed: Adenostoma spp., Adenostoma

Google: chamise pollen allergy; chamise pollen allergy adverse; chamise pollen allergen; chamise pollen allergen adverse; same search results performed for Adenostoma

Nomenclature

According to the ITIS, there are two species within the Adenostoma genus (TSN 25089). The scientific and common names need to be updated. The Adenostoma genus is found in the Rosaceae family.

Parent Product

1087 - Pollens - Weeds and Garden Plants, Chamise Adenostoma 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: 1088 - Pollens - Weeds and Garden Plants, Chamomille Matricaria inodora

Recommended Common Name Mayweed, Scentless False

Recommended Scientific Name Tripleurospermum perforate

Manufacturers of this Product

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

Search Strategy

PubMed: Tripleurospermum perforate; Tripleurospermum; Matricaria chamomilla

Google: chamomille allergy; chamomille allergy adverse; chamomille allergen; chamomille allergen adverse; same search results performed for Matricaria chamomilla and Matricaria recutita

Nomenclature

According to ITIS, the scientific name for M. inodora is Tripleurospermum perforate and the common name is scentless false mayweed. The scientific and common names need to be updated. Synonyms are Chamomilla inodora, Matricaria maritima var. agrestis, Matricaria maritima ssp. inodora, Matricaria perforate, and Tripleurospermum inodorum. The Tripleurospermum genus is found in the Asteraceae family.

Parent Product

1088 - Pollens - Weeds and Garden Plants, Chamomille Matricaria inodora

Published Data

PMID 2674263: A report of cross-reactivity between pollens of Matricaria chamomilla and pollens found in the Artemisia genus.

PMID 9536410: A case report of chamomile allergy was diagnosed by patch testing. This paper used patch testing, so it is not considered supportive of efficacy of this product for the diagnosis of allergic disease by prick or intradermal skin testing.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1088_contactdermatitis38-164.pdf	9536410	Rudzki, E.	1998
1088_Jallergyclinimmunol84-353.pdf	2674263	Subiza, J.	1989
1088_JinvestAllergolClinImmunology11-118.pdf	11642570	de la Torre Morín, F.	2001

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

Product: 1089 - Pollens - Weeds and Garden Plants, Clover, Pink (Alsike) Trifolium hybridum

Recommended Common Name Clover, Alsike

Manufacturers of this Product

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

Search Strategy

PubMed: Trifolium hybridum, Alsike clover, red clover pollen, Trifolium pratense allergy, Trifolium pratense pollen, Melilotus alba pollen, Melilotus alba allergy, white sweet clover, Melilotus officinalis pollen, yellow sweet clover, Trifolium repens pollen, Trifolium repens allergy, dutch clover, white clover pollen, ladino clover

Google: clover pollen, "adverse events"; Trifolium pratense pollen, "adverse events"; Melilotus alba, "adverse events"; Melilotus officinalis, "adverse events"; trifolium hybridum, "adverse events"; trifolium repens, "adverse events"

Nomenclature

According to ITIS, the scientific name is Trifolium hybridum (TSN 26261). Common name is listed as alsike clover. The scientific name is correct and current. The common name needs to be updated. Synonyms are: T. elegans, T. hybridum ssp. elegans, T. hybridum var. elegans, and T. hybridum var. pratense. The Trifolium genus is found in the Fabaceae family.

Parent Product

1089 - Pollens - Weeds and Garden Plants, Clover, Pink (Alsike) Trifolium hybridum

Published Data

No supportive data were identified.

The sweet clover (melilotus albus) plant contains coumarin, the chemical precursor of the anti-coagulant dicoumarol. Other clover plants may also contain coumarin. Coumarin itself is not an anti-coagulant, and is not a safety concern. Fungi that infect silaged clover may transform coumarin into the anti-coagulant dicoumarol. Coumarin that may be present in the pollen extract of clover plants is not a safety concern.

Panels:

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

Product: 1090 - Pollens - Weeds and Garden Plants, Clover, Red Trifolium pratense

Manufacturers of this Product

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

Search Strategy

PubMed: Trifolium pretense; red clover,; red clover pollen, Trifolium pratense allergy, Trifolium pratense pollen, Melilotus alba pollen, Melilotus alba allergy, white sweet clover, Melilotus officinalis pollen, yellow sweet clover, Trifolium repens pollen, Trifolium repens allergy, dutch clover, white clover pollen, ladino clover

Google: clover pollen, "adverse events"; Trifolium pratense pollen, "adverse events"; Melilotus alba, "adverse events"; Melilotus officinalis, "adverse events"; trifolium hybridum, "adverse events"; trifolium repens, "adverse events"

Nomenclature

According to ITIS, the scientific name is Trifolium pratense (TSN 26313). Common name is red clover. The scientific and common names are correct and current. Synonyms are T. pretense var. frigidum and T. pretense var. sativum. The Trifolium genus is found in the Fabaceae family.

Parent Product

1090 - Pollens - Weeds and Garden Plants, Clover, Red Trifolium pratense

Related Products

568 - Pollens - Cultivated Farm Plants, Clover, Red Trifolium communis

Published Data

PMID 2794291: 19 subjects were skin test positive for red clover pollen extract.

PMID 6733890: 13.5% positive skin tests to red clover pollen extract.

The sweet clover (melilotus albus) plant contains coumarin, the chemical precursor of the anti-coagulant dicoumarol. Other clover plants may also contain coumarin. Coumarin itself is not an anti-coagulant, and is not a safety concern. Fungi that infect silaged clover may transform coumarin into the anti-coagulant dicoumarol. Coumarin that may be present in the pollen extract of clover plants is not a safety concern.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1090_ClinicalAllergy14-249-258.pdf	6733890	Bousquet, J.	1984
1090_JAllergyClinImmunol84-465-474.pdf	2794291	Lucas, S.K.	1989

Panels:

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

Product: 1091 - Pollens - Weeds and Garden Plants, Clover, Sweet Melilotus alba

Recommended Common Name Sweetclover, White

Recommended Scientific Name Melilotus albus

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: Melilotus alba; Melilotus allergy; Melilotus SPT; clover SPT, red clover pollen, Trifolium pratense allergy, Trifolium pratense pollen, Melilotus alba pollen, Melilotus alba allergy, white sweet clover, Melilotus officinalis pollen, yellow sweet clover, Trifolium repens pollen, Trifolium repens allergy, dutch clover, white clover pollen, ladino clover

Google: clover pollen, "adverse events"; Trifolium pratense pollen, "adverse events"; Melilotus alba, "adverse events"; Melilotus officinalis, "adverse events"; trifolium hybridum, "adverse events"; trifolium repens, "adverse events"

Nomenclature

According to ITIS, the scientific name of Melilotus alba is Melilotus albus. Common names are white sweetclover, honey clover, white melilot. The scientific and common names need to be updated. The Melilotus genus is found in the Fabaceae family.

Parent Product

571 - Pollens - Cultivated Farm Plants, Clover, Sweet White Melilotus alba

Related Products

569 - Pollens - Cultivated Farm Plants, Clover, Sweet Melilotus alba

1091 - Pollens - Weeds and Garden Plants, Clover, Sweet Melilotus alba

Published Data

There are no known published data related to sweet clover allergy.

The sweet clover (melilotus albus) plant contains coumarin, the chemical precursor of the anti-coagulant dicoumarol. Other clover plants may also contain coumarin. Coumarin itself is not an anti-coagulant, and is not a safety concern. Fungi that infect silaged clover may transform coumarin into the anti-coagulant dicoumarol. Coumarin that may be present in the pollen extract of clover plants is not a safety concern.

Panels:

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

Product: 1092 - Pollens - Weeds and Garden Plants, Clover, Sweet Melilotus officinalis (Yellow)

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: Melilotus officinalis; red clover pollen, Trifolium pratense allergy, Trifolium pratense pollen, Melilotus alba pollen, Melilotus alba allergy, white sweet clover, Melilotus officinalis pollen, yellow sweet clover, Trifolium repens pollen, Trifolium repens allergy, dutch clover, white clover pollen, ladino clover; yellow sweet-clover

Google: clover pollen, "adverse events"; Trifolium pratense pollen, "adverse events"; Melilotus alba, "adverse events"; Melilotus officinalis, "adverse events"; trifolium hybridum, "adverse events"; trifolium repens, "adverse events"

Nomenclature

According to ITIS, the scientific name is Melilotus officinalis (TSN 26150). Common names are cornilla real, field melilot, ribbed melilot, yellow sweet-clover, yellow sweetclover. The scientific and common names are correct and current. The Melilotus genus is found in the Fabaceae family.

Parent Product

1092 - Pollens - Weeds and Garden Plants, Clover, Sweet Melilotus officinalis (Yellow)

Related Products

570 - Pollens - Cultivated Farm Plants, Clover, Sweet Melilotus officinalis

Published Data

No supportive data were identified.

The sweet clover (melilotus albus) plant contains coumarin, the chemical precursor of the anti-coagulant dicoumarol. Other clover plants may also contain coumarin. Coumarin itself is not an anti-coagulant, and is not a safety concern. Fungi that infect silaged clover may transform coumarin into the anti-coagulant dicoumarol. Coumarin that may be present in the pollen extract of clover plants is not a safety concern.

Panels:

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

Product: 1093 - Pollens - Weeds and Garden Plants, Clover, Sweet Melilotus spp

Recommended Scientific Name Melilotus, (species to be specified)

Manufacturers of this Product

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

Search Strategy

PubMed: Trifolium hybridum; Trifolium elegans; Alsike clover; red clover pollen, Trifolium pratense allergy, Trifolium pratense pollen, Melilotus alba pollen, Melilotus alba allergy, white sweet clover, Melilotus officinalis pollen, yellow sweet clover, Trifolium repens pollen, Trifolium repens allergy, dutch clover, white clover pollen, ladino clover

Google: clover pollen, "adverse events"; Trifolium pratense pollen, "adverse events"; Melilotus alba, "adverse events"; Melilotus officinalis, "adverse events"; trifolium hybridum, "adverse events"; trifolium repens, "adverse events"

Nomenclature

According to ITIS, there are thirteen species within the genus Melilotus (TSN 26148). The scientific and common names need to be updated. The Melilotus genus is found in the Fabaceae family.

Parent Product

1093 - Pollens - Weeds and Garden Plants, Clover, Sweet Melilotus spp

Published Data

No supportive data were identified.

The sweet clover (melilotus albus) plant contains coumarin, the chemical precursor of the anti-coagulant dicoumarol. Other clover plants may also contain coumarin. Coumarin itself is not an anti-coagulant, and is not a safety concern. Fungi that infect silaged clover may transform coumarin into the anti-coagulant dicoumarol. Coumarin that may be present in the pollen extract of clover plants is not a safety concern.

Panels:

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

Product: 1094 - Pollens - Weeds and Garden Plants, Clover, White (Dutch) Trifolium repens

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: Trifolium repens AND allergy; Trifolium repens AND SPT; Trifolium repens , red clover pollen, Trifolium pratense allergy, Trifolium pratense pollen, Melilotus alba pollen, Melilotus alba allergy, white sweet clover, Melilotus officinalis pollen, yellow sweet clover, Trifolium repens pollen, Trifolium repens allergy, dutch clover, white clover pollen, ladino clover
Google: clover pollen, "adverse events"; Trifolium pratense pollen, "adverse events"; Melilotus alba, "adverse events"; Melilotus officinalis, "adverse events"; trifolium hybridum, "adverse events"; trifolium repens, "adverse events"

Nomenclature

According to ITIS, the scientific name is Trifolium repens (TSN 26206). Common names are Dutch clover, ladino clover, and white clover. The scientific and common names are correct and current. The Trifolium genus is found in the Fabaceae family.

Parent Product

572 - Pollens - Cultivated Farm Plants, Clover, White Trifolium repens

Related Products

1094 - Pollens - Weeds and Garden Plants, Clover, White (Dutch) Trifolium repens

Published Data

No supportive data were identified.

The sweet clover (melilotus albus) plant contains coumarin, the chemical precursor of the anti-coagulant dicoumarol. Other clover plants may also contain coumarin. Coumarin itself is not an anti-coagulant, and is not a safety concern. Fungi that infect silaged clover may transform coumarin into the anti-coagulant dicoumarol. Coumarin that may be present in the pollen extract of clover plants is not a safety concern.

Panels:

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

Product: 1095 - Pollens - Weeds and Garden Plants, Cocklebur Xanthium commune

Recommended Common Name Cocklebur, Common

Recommended Scientific Name Xanthium strumarium var. canadense

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: cocklebur allergy, xanthium allergy, xanthium strumarium allergen, xanthium spinosum allergy
Google: xanthium spinosum, "adverse events"; xanthium spinosum, adverse events; xanthium strumarium, "adverse events"; xanthium strumarium, "adverse events"; cocklebur extract, "adverse events"

Nomenclature

According to ITIS, the scientific name of Xanthium commune is Xanthium strumarium var. canadense (TSN 530872). Common names are: Canada cocklebur, Canada cocklebur, common cocklebur, rough cocklebur, and rough cocklebur. The scientific and common names need to be updated. Synonyms are X. acerosum, X. californicum, X. californicum var. rotundifolium, X. campestre, X. canadense, X. cavanillesii, X. cenchroides, X. commune, X. echinatum, X. glanduliferum, X. italicum, X. macounii, X. oligacanthum, X. oviforme, X. pensylvanicum, X. saccharatum, X. speciosum, X. strumarium ssp. italicum, X. strumarium var. oviforme, X. strumarium var. pensylvanicum, and X. varians. The Xanthium genus is found in the Asteraceae family.

Parent Product

1095 - Pollens - Weeds and Garden Plants, Cocklebur Xanthium commune

Published Data

The Panel I (pg 3133, ref. 41 and 158) reported on cross-reactivity data between X. commune and several species of ragweed. Also, the Panel I (pg 3135, ref. 46) reported on a passive transfer neutralization experiment that found cocklebur pollen extracts contained both common and distinct antigens.

PMID 1704024: A paper reported on cross-reactivity of Xanthium extracts to short ragweed extracts in varying degrees.

PMID 3759629: One paper reported that 70% of patients patch tested with cocklebur extract were positive. This paper used patch testing, so it is not considered supportive of efficacy of this product for the diagnosis of allergic disease by prick or intradermal skin testing.

PMID 2794291: One paper reported that 550 allergic patients were skin prick tested with multiple antigens. Xanthium strumarium extract was tested in the 3rd quartile and had greater than or equal to 10 mm flairs (exact number of responders was not given.)

PMID 8766742: Another paper reported that 34.6% of 614 respiratory allergenic patients had 1+ to 4+ positive skin prick test reactions.

PMID 3759629: A paper reported on toxicity in livestock to consumption of cocklebur seeds but similar articles in humans were not found.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1090_ JAllergyClinImmunol84-465-474.pdf	2794291	Lucas, S.K.	1989
1095_ JAVMA189-562&563.pdf	3759629	Martin, T.	1986
1095_ JAllergyClinImmunol87-98-103.pdf	1704024	Perrick, D.	1991
1095_ Contact Dermatitis16-169-173.pdf	3581826	Menz, J.	1987
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: 1096 - Pollens - Weeds and Garden Plants, Cocklebur Xanthium strumarium

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: cocklebur allergy, xanthium allergy, xanthium strumarium allergen, xanthium spinosum allergy
Google: xanthium spinosum, "adverse events"; xanthium spinosum, adverse events; xanthium strumarium, "adverse events"; xanthium strumarium, "adverse events"; cocklebur extract, "adverse events"
USDA database search

Nomenclature

According to ITIS, the scientific name is Xanthium strumarium (TSN 38692). Common names are cocklebur, cockleburr, common cocklebur, rough cocklebur, and rough cocklebur. The scientific and common names are correct and current. Three varieties of X. strumarium are listed: canadense, glabratum, and strumarium. The Xanthium genus is found in the Asteraceae family.

Parent Product

1096 - Pollens - Weeds and Garden Plants, Cocklebur Xanthium strumarium

Published Data

Panel I (pg 3135, ref. 43 through 45) reported that cocklebur pollen cross-reacts with short ragweed. Also, Panel I (pg 3135, ref. 46) reported on a passive transfer neutralization experiment that found cocklebur pollen extracts contained both common and distinct antigens.

PMID 2794291 reported that 550 allergic patients were skin prick test with multiple antigens. Xanthium strumarium extract was tested in the 3rd quartile and had greater than or equal to 10 mm flairs (exact number of responders was not given.)

PMID 1704024 reported on cross-reactivity of Xanthium extracts to short ragweed extracts in varying degrees.

PMID 3759629 reported on toxicity in livestock that had consumed cocklebur seeds but similar articles in humans were not found.

PMID 3759629 reported that 70% of patients patch tested with cocklebur extract were positive. This paper used patch testing, so it is not considered supportive of efficacy of this product for the diagnosis of allergic disease by prick or intradermal skin testing.

PMID 8766742 reported that 34.6% out of 614 respiratory allergenic patients had 1+ to 4+ positive skin prick test reactions.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1090_ JAllergyClinImmunol84-465-474.pdf	2794291	Lucas, S.K.	1989
1095_ JAVMA189-562&563.pdf	3759629	Martin, T.	1986
1095_ JAllergyClinImmunol87-98-103.pdf	1704024	Perrick, D.	1991
1096_ Contact Dermatitis16-169-173.pdf	3581826	Menz, J.	1987
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: 1097 - Pollens - Weeds and Garden Plants, Cocklebur, Mixed Xanthium spp.

Recommended Scientific Name Xanthium, (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: cocklebur allergy, xanthium allergy, xanthium strumarium allergen, xanthium spinosum allergy
Google: xanthium spinosum, "adverse events"; xanthium spinosum, adverse events; xanthium strumarium, "adverse events"; xanthium strumarium, "adverse events"; cocklebur extract, "adverse events"

Nomenclature

According to ITIS, there are three species within the Xanthium genus (TSN 38690). The scientific and common names need to be updated. Xanthium genus is found in the Asteraceae family.

Parent Product

1097 - Pollens - Weeds and Garden Plants, Cocklebur, Mixed Xanthium spp.

Published Data

Panel I (pg 3135, ref. 43 through 45) reported that cocklebur pollen cross-reacts with short ragweed. Also, Panel I (pg 3135, ref. 46) reported on a passive transfer neutralization experiment that found cocklebur pollen extracts contained both common and distinct antigens.

PMID 2794291 reported that 550 allergic patients were skin prick test with multiple antigens. Xanthium strumarium extract was tested in the 3rd quartile and had greater than or equal to 10 mm flairs (exact number of responders was not given.)

PMID 1704024 reported on cross-reactivity of Xanthium extracts to short ragweed extracts in varying degrees.

PMID 3759629 reported on toxicity in livestock that had consumed cocklebur seeds but similar articles in humans were not found.

PMID 3759629 reported that 70% of patients patch tested with cocklebur extract were positive. This paper used patch testing, so it is not considered supportive of efficacy of this product for the diagnosis of allergic disease by prick or intradermal skin testing.

PMID 876674 reported that 34.6% out of 614 respiratory allergenic patients had 1+ to 4+ positive skin prick test reactions.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1095_ JAllergyClinImmunol87-98-103.pdf	1704024	Perrick, D.	1991
1095_ Contact Dermatitis16-169-173.pdf	3581826	Menz, J.	1987
1003_ Allergol et Immunopathol 24-116.pdf	8766742	Güneser, S.	1996
1090_ JAllergyClinImmunol84-465-474.pdf	2794291	Lucas, S.K.	1989
1095_ JAVMA189-562&563.pdf	3759629	Martin, T.	1986

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

Product: 1098 - Pollens - Weeds and Garden Plants, Cocklebur, Spiny Xanthium spinosum

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: cocklebur allergy, xanthium allergy, xanthium strumarium allergen, xanthium spinosum allergy
Google: xanthium spinosum, "adverse events"; xanthium spinosum, adverse events; xanthium strumarium, "adverse events"; xanthium strumarium, "adverse events"; cocklebur extract, "adverse events"

Nomenclature

According to ITIS, the scientific name is Xanthium spinosum (TSN 38691). Common names are Bathhurst burr, cocklebur, spiny cocklebur, and spiny cockleburr. The scientific and common names are correct and current. Acanthoxanthium spinosum and Xanthium spinosum var. inerme are listed as synonyms. The Xanthium genus is found in the Asteraceae family.

Parent Product

1098 - Pollens - Weeds and Garden Plants, Cocklebur, Spiny Xanthium spinosum

Published Data

Panel I (pg 3135, ref. 43 through 45) reported that cocklebur pollen cross-reacts with short ragweed. Also, Panel I (pg 3135, ref. 46) reported on a passive transfer neutralization experiment that found cocklebur pollen extracts contained both common and distinct antigens. The panel found no controlled studies indicating that cocklebur pollen extracts are effective for skin test diagnosis or immunotherapy.

PMID 1704024: A paper reported on cross-reactivity of Xanthium extracts to short ragweed extracts in varying degrees.

PMID 3759629: A paper reported on toxicity in livestock that had consumed cocklebur seeds but similar articles in humans were not found.

PMID 8766742: Another paper reported that 34.6% out of 614 respiratory allergenic patients had 1+ to 4+ positive skin prick test reactions.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1095_JAVMA189-562&563.pdf	3759629	Martin, T.	1986
1095_JAllergyClinImmunol87-98-103.pdf	1704024	Perrick, D.	1991
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: 1099 - Pollens - Weeds and Garden Plants, Coreopsis Coreopsis spp.

Recommended Scientific Name Coreopsis, (species to be specified)

Manufacturers of this Product

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

Search Strategy

PubMed and Google: No search performed since species was not defined.

Nomenclature

According to ITIS, there are thirty-three species of Coreopsis genus (TSN 37123). The scientific and common names need to be updated. The Coreopsis genus is found in the Asteraceae family.

Parent Product

1099 - Pollens - Weeds and Garden Plants, Coreopsis Coreopsis spp.

Published Data

There are no known published data.

Panels:

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

Product: 1100 - Pollens - Weeds and Garden Plants, Creosote Bush Larrea divaricata

Recommended Scientific Name Larrea tridentata var. tridentate

Manufacturers of this Product

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

Search Strategy

PubMed: larrea tridentate; larrea tridentata allergy; larrea tridentata pollen; larrea tridentata skin test; chaparral allergy; chaparral skin test; greasewood, allergy, pollen extract, skin prick test, IgE; creosote pollen, creosote allergy

Google: creosote bush pollen allergy; creosote bush pollen allergy adverse; creosote bush pollen allergen; creosote bush pollen allergen adverse; same search results performed for Larrea divaricata

Nomenclature

According to ITIS, the scientific name of Larrea divaricata is Larrea tridentata var. tridentate (TSN 528680). Common names are creosote bush and creosotebrush. The common name is correct and current. The scientific name needs to be updated. Covillea tridentata and Larrea glutinosa are also listed as synonyms. The Larrea genus is found in the Zygophyllaceae family.

Parent Product

1122 - Pollens - Weeds and Garden Plants, Greasewood Larrea tridentata

Related Products

1100 - Pollens - Weeds and Garden Plants, Creosote Bush Larrea divaricata

Published Data

No supportive data were identified.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1122_J Altern Complement Med 7-175.pdf	11327523	Heron, S.	2001

Panels:

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

Product: 1101 - Pollens - Weeds and Garden Plants, Dandelion Taraxacum officinale

Manufacturers of this Product

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

Search Strategy

PubMed: Taraxacum officinale, allergy

USDA plant database

Google: dandelion pollen allergy; dandelion pollen allergy adverse; dandelion pollen allergen; dandelion pollen allergen adverse; same search results performed for Taraxacum officinale

Nomenclature

According to ITIS, the scientific name is Taraxacum officinale (TSN 36213). The common names are blowball, common dandelion, dandelion, and faceclock. The scientific and common names are correct and current. Three subspecies of T. officinale are listed: ceratophorum, officinale, and vulgare. The Taraxacum genus is found in the Asteraceae family.

Parent Product

1101 - Pollens - Weeds and Garden Plants, Dandelion Taraxacum officinale

Related Products

588 - Pollens - Flowers, Dandelion Taraxacum officinale

Published Data

Panel I (pg 3136) reported on a study by Simon (Ref. 63) that used passive transfer neutralization technique to demonstrate cross-reactivity between short ragweed, giant ragweed, goldenrod, dandelion, sunflower, and cosmos pollens.

PMID 8807513: Patient had anaphylaxis reaction to eating pollen. He had positive skin test result to T. officinalis pollen extract and his specific IgE was 1.18 KU/I (class 2).

PMID 479479: Specific IgE antibody assay (RAST) to dandelion extract (Greer Laboratories) was positive in three patients and negative in control subject.

PMID 12974193: A case report of rhinoconjunctivities, asthma, and contact urticaria while handling bird food. Patient was skin prick positive to Taraxacum (no species listed) seed extract. Taraxacum induced a 27% inhibition of specific IgE to the mixed bird food.

PMID 852905: Allergenicity to dandelion pollen was assessed by skin test, RAST, case histories and provocation tests.

PMID 701658 reported on diagnosis of canine atopic disease.

PMID 8766742 uses dandelion plant extracts for diagnosis.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
588_ J Invest Allergol Clin Immunol-6-208.pdf	8807513	Chivato, T.	1996
588_ J Allergy Clin Immunol-64-270.pdf	479479	Cohen, S.H.	1979
588_ Allergy and Asthma Proc-24-265.pdf	12974193	Rodríguez, B.	2003
588_ Int Arch Allergy Appl Immunol-53-450.pdf	852905	Eriksson, N.E.	1977
588_ J Allergy Clin Immunol-62-236.pdf	701658	Halliwel, R.E.	1978
1096_ Allergol.ETImmuno24-116-119.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: 1102 - Pollens - Weeds and Garden Plants, Dessert Tea Ephedra californica

Recommended Common Name Tea, California Mormon

Manufacturers of this Product

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

Search Strategy

PubMed: Ephedra allergy; Ephedra californica

Google:dessert tea pollen allergy; dessert tea pollen allergy adverse; dessert tea pollen allergen; dessert tea pollen allergen adverse; same search results performed for Ephedra californica

Nomenclature

According to ITIS, the scientific name is Ephedra californica (TSN 502312). Ephedra californica has two common names: California jointfir and California mormon tea. The scientific name is correct and current. The common name needs to be updated. The Ephedra genus is found in the Ephedraceae family.

Parent Product

1102 - Pollens - Weeds and Garden Plants, Dessert Tea Ephedra californica

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: 1103 - Pollens - Weeds and Garden Plants, Dock Rumex spp.

Recommended Scientific Name Rumex, (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)

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

Search Strategy

PubMed: Rumex

Google: dock pollen allergy; dock pollen allergy adverse; dock pollen allergen; dock pollen allergen adverse; same search results performed for Rumex

Nomenclature

According to ITIS, there are one variety, three subspecies, and fifty-nine species of Rumex genus (TSN 20933). The scientific and common names need to be updated. The Rumex genus is found in the Polygonaceae family.

Parent Product

1103 - Pollens - Weeds and Garden Plants, Dock Rumex spp.

Published Data

Panel I (pg 3141) found one report (Ref. 54) for diagnosis of Rumex acetosella (sheep sorrel). Solomon (Ref. 54) reported 30 patients who had strong skin test reactions to sheep sorrel pollen extract. Nineteen of these had positive reactions to nasal provocative testing with sheep sorrel extract. The passive transfer test was positive with one serum.

PMID 12897724: Weber's paper indicates that there are few cross-reactivity data available for the Polygonaceae family.

<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: 1104 - Pollens - Weeds and Garden Plants, Dock, Bitter Rumex obtusifolius

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: Rumex obtusifolia; Rumex AND SPT

Google: bitter dock pollen allergy; bitter dock pollen allergy adverse; bitter dock pollen allergen; bitter dock pollen allergen adverse; same search results performed for Rumex obtusifolius

Nomenclature

According to the ITIS, the scientific name is Rumex obtusifolius (TSN 20939). Common names are listed as bitter dock and bluntleaf dock. The scientific and common names are correct and current. Synonyms are Acetosa oblongifolia, Rumex obtusifolius ssp. agrestis, Rumex obtusifolius ssp. sylvestris, and Rumex obtusifolius var. sylvestris. Rumex obtusifolius is listed as a variety of this genus and species. The Rumex genus is found in the Polygonaceae family.

Parent Product

1104 - Pollens - Weeds and Garden Plants, Dock, Bitter Rumex obtusifolius

Related Products

1070 - Pollens - Weeds and Garden Plants, Bitterdock, Rumex obtusifolia

Published Data

Panel I (pg 3141) found one report for diagnosis of Rumex acetosella. Solomon (Ref. 54) reported 30 patients who had strong skin test reactions to sheep sorrel pollen extract. Nineteen of these had positive reactions to nasal provocative testing with sheep sorrel extract. The passive transfer test was positive with one serum.

PMID 12897724: Weber's paper indicates that there are few cross-reactivity data available for the Polygonaceae family.

<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: 1105 - Pollens - Weeds and Garden Plants, Dock, Green Rumex conglomeratus

Recommended Common Name Dock, Clustered

Recommended Scientific Name Rumex conglomeratus

Manufacturers of this Product

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

Search Strategy

PubMed: Rumex conglomeratus

Google: green dock pollen allergy; green dock pollen allergy adverse; green dock pollen allergen; green dock pollen allergen adverse; same search results performed for Rumex conglomeratus

Nomenclature

According to the ITIS, the correct spelling of Rumex conglomeratus is Rumex conglomeratus (TSN 20936).

Two common names of Rumex conglomeratus are clustered dock and sharp dock. The Rumex genus is found in the Polygonaceae family.

Parent Product

1105 - Pollens - Weeds and Garden Plants, Dock, Green Rumex conglomeratus

Related Products

1195 - Pollens - Weeds and Garden Plants, Rhubarb, Wild Rumex conglomeratus

Published Data

Panel I found one report for diagnosis of Rumex acetosella. Solomon (Ref. 54) reported 30 patients who had strong skin test reactions to sheep sorrel pollen extract. Nineteen of these had positive reactions to nasal provocative testing with sheep sorrel extract. The passive transfer test was positive with one serum.

PMID 12897724: Weber's paper indicates that there are few cross-reactivity data available for the Polygonaceae family.

Panels:

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

Product: 1106 - Pollens - Weeds and Garden Plants, Dock, Sour or Sheep Sorrel Rumex acetosella

Recommended Common Name Sheep Sorrel

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

Pub Med: Rumex acetosella; Rumex

Google: dock pollen allergy; dock pollen allergy adverse; dock pollen allergen; dock pollen allergen adverse; same search results performed for Rumex acetosella

Nomenclature

According to the ITIS, the scientific name is Rumex acetosella (TSN 20934). Common names for Rumex acetosella are common sheep sorrel, field sorrel, red (or sheep) sorrel, red sorrel, sheep sorrel. The scientific name is correct and current. The common name needs to be updated. Rumex acetosella has 8 synonymns. These synonymns are Acetosella acetosella (L.), Acetosella tenuifolia, Acetosella vulgaris, Rumex acetosella ssp. Angiocarpus, Rumex acetosella var. pyrenaeus, Rumex acetosella var. tenuifolius, Rumex angiocarpus, and Rumex tenuifolius. The Rumex genus is found in the Polygonaceae family.

Parent Product

1254 - Pollens - Weeds and Garden Plants, Sheep Sorrel Rumex acetosella

Related Products

1106 - Pollens - Weeds and Garden Plants, Dock, Sour or Sheep Sorrel Rumex acetosella

Published Data

The Panel I (pg 3141) found only one report for diagnosis of Rumex acetosella. Solomon (Ref. 54) reported 30 patients who had strong skin test reactions to sheep sorrel pollen extract. Nineteen of these had positive reactions to nasal provocative testing with sheep sorrel extract. The passive transfer test was positive with one serum. The panel did not find any controlled studies for immunotherapy.

In PMID: 5254400 three hundred and sixty-seven individuals were positive for Rumex extract. More than half reacted to a nasal provocative test.

In PMID: 9542605 Rumex crispus extract was found as an aeroallergen using immunoelectrophoresis and ELISA. No data were provided to support diagnosis using R. crispus extract.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1106_J.Allergy44 25-36.pdf	5254400	Solomon, W.R.	1969
1106_Allergy53-255-265.pdf	9542605	Kwaasi, A.A.	1998

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: 1107 - Pollens - Weeds and Garden Plants, Dock, Tall Rumex altissimus

Recommended Common Name Dock, Pale

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: Rumex altissimus; pale dock

Google: dock pollen allergy; dock pollen allergy adverse; dock pollen allergen; dock pollen allergen adverse; same search results performed for Rumex altissimus

Nomenclature

According to the ITIS, the scientific name is Rumex altissimus (TSN 20949). The genus and species are correct. Two common names for Rumex altissimus are pale dock and smooth dock. Rumex brittanicus and Rumex ellipticus are synonyms. The Rumex genus is found in the Polygonaceae family.

Parent Product

1107 - Pollens - Weeds and Garden Plants, Dock, Tall Rumex altissimus

Published Data

Panel I found one report for diagnosis of Rumex acetosella. Solomon (Ref. 54) reported 30 patients who had strong skin test reactions to sheep sorrel pollen extract. Nineteen of these had positive reactions to nasal provocative testing with sheep sorrel extract. The passive transfer test was positive with one serum.

PMID 12897724: Weber's paper indicates that there are few cross-reactivity data available for the Polygonaceae family.

<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: 1108 - Pollens - Weeds and Garden Plants, Dock, White Rumex mexicanus

Recommended Common Name Dock, Mexican

Recommended Scientific Name Rumex salicifolius var. mexicanus

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: Rumex mexicanus; Rumex salicifolius var. mexicanus

Google: dock pollen allergy; dock pollen allergy adverse; dock pollen allergen; dock pollen allergen adverse; same search results performed for Rumex mexicanus and Rumex salicifolius var. mexicanus

Nomenclature

According to the ITIS, the current scientific name of Rumex mexicanus is Rumex salicifolius var. mexicanus (TSN 530197). Common names are Mexican dock, trianglevalve dock, and willow dock. Synonyms are Rumex mexicanus, Rumex mexicanus var. angustifolius, Rumex mexicanus var. subarcticus, Rumex quadrangulivalvis, Rumex salicifolius var. triangulivalvis, Rumex salicifolius ssp. Triangulivalvis, Rumex subarcticus, Rumex triangulivalvis, Rumex triangulivalvis var. oreolapathum. The Rumex genus is found in the Polygonaceae family.

Parent Product

1108 - Pollens - Weeds and Garden Plants, Dock, White Rumex mexicanus

Published Data

Panel I found (pg 3141) only one report for diagnosis of Rumex acetosella. Solomon (Ref. 54) reported 30 patients who had strong skin test reactions to sheep sorrel pollen extract. Nineteen of these had positive reactions to nasal provocative testing with sheep sorrel extract. The passive transfer test was positive with one serum.

PMID 12897724: Weber's paper indicates that there are few cross-reactivity data available for the Polygonaceae family.

<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: 1109 - Pollens - Weeds and Garden Plants, Dock, Yellow Rumex crispus - Curly Dock

Recommended Common Name Dock, Yellow

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: Rumex crispus; Rumex allergy
Google: dock pollen allergy; dock pollen allergy adverse; dock pollen allergen; dock pollen allergen adverse; same search results performed for Rumex crispus

Nomenclature

According to the ITIS, the scientific name is Rumex crispus (TSN 20937). Common names for Curley dock, curly dock, narrowleaf dock, sour dock, and yellow dock. The scientific name is correct and current. The common name needs to be updated. Rumex acetosella has 8 synonymys. These synonymys are Acetosella acetosella (L.), Acetosella tenuifolia, Acetosella vulgaris, Rumex acetosella ssp. Angiocarpus, Rumex acetosella var. pyrenaeus, Rumex acetosella var. tenuifolius, Rumex angiocarpus, and Rumex tenuifolius. The Rumex genus is found in the Polygonaceae family.

Parent Product

1109 - Pollens - Weeds and Garden Plants, Dock, Yellow Rumex crispus - Curly Dock

Published Data

Panel I found (pg 3141) only one report (Ref 54) for diagnosis of Rumex acetosella (sheep sorrel). Solomon (Ref. 54) reported 30 patients who had strong skin test reactions to sheep sorrel pollen extract. Nineteen of these had positive reactions to nasal provocative testing with sheep sorrel extract. The passive transfer test was positive with one serum.

PMID 12897724: Weber's paper indicates that there are few cross-reactivity data available for the Polygonaceae family.

In PMID: 9542605 Rumex crispus extract was found as an aeroallergen using immunoelectrophoresis and ELISA. No data were provided to support diagnosis using R. crispus extract.

Safety concerns identified in these publications PMID 2365622 and 2238449 are associated with ingestion of large amounts of R. crispus. The consequence may be renal tubular necrosis due to formation of calcium oxalate crystals. Quantity required to induce toxicity is not relevant to use of extracts for diagnosis of allergies.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1109_JAVMA196-1981.pdf	2365622	Pancieria, R.J.	1990
1109_VetHumToxicol32-468.pdf	2238449	Reig, R	1990
1106_Allergy53-255-265.pdf	9542605	Kwaasi, A.A.	1998
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: 1110 - Pollens - Weeds and Garden Plants, Dog Fennel Anthemis arvensis

Recommended Common Name Chamomile, Corn

Manufacturers of this Product

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

Search Strategy

PubMed: Anthemis; Anthemis arvensis; Eupatorium and allergy modifiers; Dog fennel

Google: dog fennel pollen allergy; dog fennel pollen allergy adverse; dog fennel pollen allergen; dog fennel pollen allergen adverse; same search results performed for Anthemis arvensis

Nomenclature

According to the ITIS, the scientific name is Anthemis arvensis (TSN 36331). The genus and species are correct. The common names are corn chamomile, mayweed, and scentless chamomile. Common name needs to be updated. Synonym is Anthemis arvensis var. agrestis. The Anthemis genus is found in the Asteraceae family.

Parent Product

1110 - Pollens - Weeds and Garden Plants, Dog Fennel Anthemis arvensis

Published Data

There are no known published data.

Panels:

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

Product: 1111 - Pollens - Weeds and Garden Plants, Dog Fennel Anthemis cotula - Mayweed

Manufacturers of this Product

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

Search Strategy

PubMed: Anthemis cotula; Mayweed; Dog fennel

Google: dog fennel pollen allergy; dog fennel pollen allergy adverse; dog fennel pollen allergen; dog fennel pollen allergen adverse; same search results performed for Anthemis cotula

Nomenclature

According to the ITIS, the scientific name is Anthemis cotula (TSN 36330). Common names are chamomile, dogfennel mayweed, mayweed chamomile, mayweed dogfennel, stinking chamomile, and stinkweed. The scientific and common names are correct and current. Maruta cotula is listed as a synonym. The Anthemis genus is found in the Asteraceae family.

Parent Product

1111 - Pollens - Weeds and Garden Plants, Dog Fennel Anthemis cotula - Mayweed

Published Data

PMID 3581826: In this article, patch tests were conducted on 74 patients after a clinical diagnosis of weed dermatitis. Dog fennel gave a 92% positive patch test. This paper used patch testing, so it is not considered supportive of efficacy of this product for the diagnosis of allergic disease by prick or intradermal skin testing.

PMID 8365167: A. cotula extract was used during patch testing of patients. This paper used patch testing, so it is not considered supportive of efficacy of this product for the diagnosis of allergic disease by prick or intradermal skin testing.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1095_Contact Dermatitis16-169-173.pdf	3581826	Menz, J.	1987
1088_contactdermatitis29-6.pdf	8365167	Paulsen, E.	1993

Panels:

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

Product: 1112 - Pollens - Weeds and Garden Plants, Dog Fennel Eupatorium capillifolium

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)

Search Strategy

PubMed: Eupatorium capillifolium; Eupatorium allergy; Dog Fennel
Google: dog fennel pollen allergy; dog fennel pollen allergy adverse; dog fennel pollen allergen; dog fennel pollen allergen adverse; same search results performed for Eupatorium capillifolium

Nomenclature

According to the ITIS, the scientific name is Eupatorium capillifolium (TSN 35978). The common name is dogfennel. The genus, species, and common names are correct. The Eupatorium genus is found in the Asteraceae family.

Parent Product

1112 - Pollens - Weeds and Garden Plants, Dog Fennel Eupatorium capillifolium

Published Data

There are no known published data.

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: 1113 - Pollens - Weeds and Garden Plants, Elderberry Sambucus spp.

Recommended Scientific Name Sambucus, (species to be specified)

Manufacturers of this Product

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

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, there are six varieties, one subspecies, and three species with in the Sambucus (TSN 35315) genus. The Sambucus genus is found in the Caprifoliaceae family.

Parent Product

1113 - Pollens - Weeds and Garden Plants, Elderberry Sambucus spp.

Published Data

There are no data.

Panels:

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

Product: 1114 - Pollens - Weeds and Garden Plants, Feverfew-cultivated Chryssanthemum parthenium

Recommended Common Name Feverfew

Recommended Scientific Name Tanacetum parthenium

Manufacturers of this Product

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

Search Strategy

PubMed: Tanacetum parthenium allergy; Tanacetum; feverfew

Google: feverfew pollen allergy; feverfew pollen allergy adverse; feverfew pollen allergen; feverfew pollen allergen adverse; same search results performed for Chryssanthemum parthenium amd Parthenium

Nomenclature

According to the ITIS, the current spelling of Chryssanthemum parthenium is Chrysanthemum parthenium. The correct name is Tanacetum parthenium (TSN 505434). The common name for Tanacetum parthenium is feverfew. The scientific and common names need to be updated. Synonyms are Matricaria parthenium and Chrysanthemum parthenium. The Tanacetum genus is found in the Asteraceae family.

Parent Product

1114 - Pollens - Weeds and Garden Plants, Feverfew-cultivated Chryssanthemum parthenium

Published Data

Panel I (pg 3267) reported that patients with ragweed contact dermatitis and positive patch tests to ragweed oleoresin have an increased incidence of positive patch tests to pyrethrum (feverfew, or Chrsyanthemus parthenium).

PMID 6195862: A report of positive patch test results for Tanacetum parthenium and cross-reactivity between different members of the Compositae family. This paper used patch testing, so it is not considered supportive of efficacy of this product for the diagnosis of allergic disease by prick or intradermal skin testing.

PMID 12897724: Strong cross-allergenicity between some species of the Artemisia and Asteraceae genera.

PMID 9534922: In this article, RAST and SPT were performed for diagnosis of matricaria, chrysanthemum, and solidago allergy. Cross-sensitization was seen in the family Compositae including matricaria, chrysanthemum, and solidago. Compositae is a synonym for Asteraceae.

PMID 15283880: The major allergen in Feverfew is Par h 1 and has a molecular weight of 31 kDa. In-vivo data to support diagnosis and therapy was not included in the article.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1118_ Allergy53-204.pdf	9534922	de Jong, N.W.	2002
583_ Acta Derm Venereol 63-308.pdf	6195862	Hausen, B.M.	1983
1114_ CurrAllergyAsthmaRep_5-391.pdf	15283880	Gadermaier, G.	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: 1115 - Pollens - Weeds and Garden Plants, Firebush, Kochia scoparia

Recommended Common Name Cypress, Summer

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: Kochia scoparia allergy; pollen allergy, skin test; allergenic extract

Google: firebush pollen allergy; firebush pollen allergy adverse; firebush pollen allergen; firebush pollen allergen adverse; same search results performed for Kochia scoparia

Nomenclature

According to ITIS, the scientific name is Kochia scoparia (TSN 20696). Common names are common kochia, fireweed, kochia, Mexican bruningbush, Mexican fireweed, mock cypress, and summer cypress. The scientific name is correct and current. The common name needs to be updated. Synonyms are Bassia scoparia, Bassia sieversiana, Kochia alata, K. scoparia var. culta, K. scoparia var. pubescens, K. scoparia var. subvillosa, K. scoparia var. trichophila, K. sieversiana, and K. trichophila. The Kochia genus is found in the Chenopodiaceae family.

Parent Product

1075 - Pollens - Weeds and Garden Plants, Burning Bush-Summer Cypress Kochia scoparia

Related Products

1115 - Pollens - Weeds and Garden Plants, Firebush, Kochia scoparia

1133 - Pollens - Weeds and Garden Plants, Kochia (Mexican Firebush) Kochia scoparia

Published Data

Panel 1 (pg. 3138) reported on a study where passive transfer tests were positive using sera from three patients.

PMID 9109711: 51% of patients were skin prick test positive to Kocia.

PMID 11991560: 95 (26.2%) children residing in an urban area and 13 (15.3%) children residing in a rural area were skin prick test positive to Cypress.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1075_ AnnalsofAllergy88-416-420.pdf	11991560	Bibi, H	2002
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>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 1116 - Pollens - Weeds and Garden Plants, Fireweed, Alaska Epilobium angustifolium

Recommended Scientific Name Chamerion angustifolium ssp. Angustifolium

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: Epilobium angustifolium ssp. Angustifolium; Epilobium angustifolium; Epilobium

Google: fireweed pollen allergy; fireweed pollen allergy adverse; fireweed pollen allergen; fireweed pollen allergen adverse; same search results performed for Epilobium angustifolium

Nomenclature

According to the ITIS, the current name of Epilobium angustifolium is Chamerion angustifolium ssp. angustifolium (TSN 566019). Common name is fireweed. Synonyms are Chamaenerion angustifolium, Chamerion spicatum, Epilobium angustifolium, and Epilobium angustifolium var. intermedium. The Chamerion genus is found in the Onagraceae family.

Parent Product

1116 - Pollens - Weeds and Garden Plants, Fireweed, Alaska Epilobium angustifolium

Published Data

There are no known published data.

Panels:

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

Product: 1117 - Pollens - Weeds and Garden Plants, Goldenrod (European) Solidago viraurea

Recommended Scientific Name Solidago, (species to be specified)

Manufacturers of this Product

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

Search Strategy

PubMed: goldenrod, allergy

Google: goldenrod pollen allergy; goldenrod pollen allergy adverse; goldenrod pollen allergen; goldenrod pollen allergen adverse; same search results performed for Solidago virgaurea

Nomenclature

There were no entries for Solidago viraurea or European Goldenrod found in ITIS. The Solidago genus is found in the Asteraceae family.

Parent Product

1117 - Pollens - Weeds and Garden Plants, Goldenrod (European) Solidago viraurea

Published Data

Panel I (pg 3136) reported on several studies that indicated cross-reactivity between ragweed and goldenrod. In addition, a Simon paper (Ref. 63) used passive transfer neutralization techniques to demonstrate cross-reactions between short ragweed, giant ragweed, goldenrod, dandelion, sunflower, and cosmos.

PMID 9534922: In this article, RAST and SPT were performed for diagnosis of matricaria, chrysanthemum, and solidago allergy. Cross-sensitization was seen in the family Compositae family; which includes matricaria, chrysanthemum, and solidago.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1118_Allergy53-204.pdf	9534922	de Jong, N.W.	2002

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: 1118 - Pollens - Weeds and Garden Plants, Goldenrod Solidago canadensis

Recommended Common Name Goldenrod, 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)
- 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: Goldenrod; Solidago allergy
Google: goldenrod pollen allergy; goldenrod pollen allergy adverse; goldenrod pollen allergen; goldenrod pollen allergen adverse; same search results performed for Solidago canadensis

Nomenclature

According to ITIS, the scientific name is Solidago Canadensis (TSN 36224). Common names are Canada goldenrod, Candian goldenrod, and common goldenrod. The genus, species, and common names are correct. There are six varieties of S. canadensis listed: canadensis,

gilvocanescens, hargerii, lepida, salebrosa, and scabra. The Solidago genus is found in the Asteraceae family. Compositae is a synonym for Asteraceae.

Parent Product

1118 - Pollens - Weeds and Garden Plants, Goldenrod Solidago canadensis

Published Data

Panel I (pg 3136) reported on several studies that indicated cross-reactivity between ragweed and goldenrod. In addition, a Simon paper (Ref. 63) used passive transfer neutralization techniques to demonstrate cross-reactions between short ragweed, giant ragweed, goldenrod, dandelion, sunflower, and cosmos.

PMID 9534922: In this article, RAST and SPT were performed for diagnosis of matricaria, chrysanthemum, and solidago allergy. Cross-sensitization was seen in the family Compositae; which includes matricaria, chrysanthemum, and solidago.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1118_Allergy53-204.pdf	9534922	de Jong, N.W.	2002

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: 1119 - Pollens - Weeds and Garden Plants, Goosefoot, Nettleleaf Chenopodium murale

Manufacturers of this Product

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

Search Strategy

PubMed: chenopodium murale; goosefoot; goosefoot allergy

Google: nettleleaf goosefoot (Chenopodium murale) allergy

Nomenclature

According to ITIS, the scientific name is Chenopodium murale (TSN 20622). Common names are nettle-leaf goosefoot and nettleleaf goosefoot. The genus, species, and common names are correct. The Chenopodium genus is found in the Chenopodiaceae family.

Parent Product

1119 - Pollens - Weeds and Garden Plants, Goosefoot, Nettleleaf Chenopodium murale

Published Data

There are no known published data.

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

Product: 1120 - Pollens - Weeds and Garden Plants, Grape, Cultivated Vitis vinifera

Recommended Common Name Grape, Wine

Manufacturers of this Product

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

Search Strategy

PubMed: wine grape allergy; vitis vinifera extract; wine grape allergenic extract; vitis vinifera pollen

Google: grape pollen allergy; grape pollen allergy adverse; grape pollen allergen; grape pollen allergen adverse; same search results performed for Vitis vinifera

Nomenclature

According to ITIS, the scientific name is Vitis vinifera (TSN 28629). Common name is wine grape. The genus and species are correct but the common name needs to be updated. The Vitis genus is found in the Vitaceae family.

Parent Product

1120 - Pollens - Weeds and Garden Plants, Grape, Cultivated Vitis vinifera

Published Data

Most of the case reports listing grape allergies cover food allergy.

PMID 9949317: One case report discusses allergy to Cultivated Vitis vinifera pollen. Cutaneous tests and the presence of specific IgE to the pollen extract were performed by skin prick, CAP, and RAST techniques. Controlled bronchial and conjunctival challenge tests were performed. Skin prick test were positive for the studied patient and negative for the control subjects. Patient serum revealed a total IgE titer of 334 IU/mL and a specific IgE value of 1.3 PRU/mL (RAST class 2) to vine pollen. Bronchial and conjunctival provocation test had positive results when the patient was challenged with V. vinifera extract.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1120_JAllergy Clin immunol 103-262-6.pdf	9949317	Francisco Feo Brito	1999

Panels:

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

Product: 1121 - Pollens - Weeds and Garden Plants, Grape, Wild Vitis girdiana

Recommended Common Name Grape, Wild Desert

Manufacturers of this Product

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

Search Strategy

PubMed: desert wild grape; desert wild grape allergy; desert wild grape allergens; desert wild grape pollen allergy; vitis girdiana allergy; vitis girdiana pollen allergy

Google: grape pollen allergy; grape pollen allergy adverse; grape pollen allergen; grape pollen allergen adverse; same search results performed for Vitis girdiana

Nomenclature

According to ITIS, the scientific name is Vitis girdiana (TSN 28617). Common name is desert wild grape. The genus and species are correct but the common name needs to be updated. The Vitis genus is found in the Vitaceae family.

Parent Product

1121 - Pollens - Weeds and Garden Plants, Grape, Wild Vitis girdiana

Published Data

There are no known published data.

Panels:

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

Product: 1122 - Pollens - Weeds and Garden Plants, Greasewood Larrea tridentata

Recommended Common Name Creosotebrush

Recommended Scientific Name Larrea tridentata var. tridentata

Manufacturers of this Product

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

Search Strategy

PubMed: larrea tridentata; larrea tridentata allergy; larrea tridentata pollen; larrea tridentata skin test; chaparral allergy; chaparral skin test; greasewood allergy, pollen extract, skin prick test, IgE; creosote pollen, creosote allergy

Google: creosote bush pollen allergy; creosote bush pollen allergy adverse; creosote bush pollen allergen; creosote bush pollen allergen adverse; same search results performed for Larrea divaricata and Larrea tridentata

Nomenclature

According to ITIS, the correct scientific name of Larrea divaricata is Larrea tridentata var. tridentata (TSN 528680). Common names are creosote bush and creosotebrush. Covillea tridentata and Larrea glutinosa are also listed as synonyms. The Larrea genus is found in the Zygophyllaceae family.

Parent Product

1122 - Pollens - Weeds and Garden Plants, Greasewood Larrea tridentata

Related Products

1100 - Pollens - Weeds and Garden Plants, Creosote Bush Larrea divaricata

Published Data

There are no known published data.

Panels:

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

Product: 1123 - Pollens - Weeds and Garden Plants, Greasewood Sarcobatus vermiculatus

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: sarcobatus vermiculatus; sarcobatus vermiculatus-allergy or pollen, skin prick test, allergens, extract, IgE - none relevant; greasewood; greasewood - allergy or pollen, skin prick test, allergens,extract, IgE - none relevant
ISI: sarcobatus vermiculatus; sarcobatus vermiculatus - allergy or pollen, skin prick test, allergens, extract, IgE - none relevant
greasewood; greasewood-allergy or pollen, skin prick test, allergens, extract, IgE - none relevant
Google: sarcobatus vermiculatus; sarcobatus vermiculatus-allergy or pollen, skin prick test, allergens, extract; IgE -none relevant greasewood; greasewood-allergy or pollen, skin prick test, allergens, extract, IgE - none relevant.

Nomenclature

According to ITIS, the scientific name is Sarcobatus vermiculatus (TSN 20707). Common names are black greasewood and greasewood. The genus, species, and common names are correct. Synonyms are Sarcobatus baileyi and S. vermiculatus var. baileyi. The Sarcobatus genus is found in the Chenopodiaceae family.

Additional Information: Greasewood Larrea tridentata (Product 1122) and Greasewood Sarcobatus vermiculatus (Product 1123) are two different plants that belong to different families. The Larrea tridentata belongs to the Zygophyllaceae (Creosote-bush) family and Sarcobatus vermiculatus belongs to the Chenopodiaceae (Goosefoot) family. These two genus and species share the same common name of Greasewood.

Parent Product

1123 - Pollens - Weeds and Garden Plants, Greasewood Sarcobatus vermiculatus

Related Products

833 - Pollens - Trees, Greasewood, Sarcobatus vermiculatus

Published Data

There are no data.

Panels:

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

Product: 1125 - Pollens - Weeds and Garden Plants, Hemp, Western Water Acnida tamariscina

Recommended Common Name Waterhemp, Common

Recommended Scientific Name Amaranthus rudis

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: acnida tamariscina allergen, skin test, pollen, IgE, western water hemp allergy

Google: western water hemp allergy

Nomenclature

According to ITIS, the current name of Acnida tamariscina is Amaranthus rudis (TSN 20746). The common name for A. rudis is common waterhemp or tall amaranth. The scientific and common names need to be updated. Synonyms are Acnida tamariscina and Amaranthus tamariscinus. The Amaranthus genus is found in the Amaranthaceae family.

Parent Product

1125 - Pollens - Weeds and Garden Plants, Hemp, Western Water Acnida tamariscina

Related Products

1265 - Pollens - Weeds and Garden Plants, Waterhemp, Western Acnida tamariscina

Published Data

Panel I notes (pg 3137) that 36 patients (Ref. 122) and 116 patients with hay fever in the western water hemp pollen season had positive skin reactions to western water hemp pollen extracts (Ref.175). Control patients had negative reactions to skin prick test (SPT). Panel I reports that according to Durhman (Ref.151) there is antigenic similarity of the amaranths and chenopods.

PMID 1163862: Table 1 indicates that 40.2% of 251 adults in St. Louis area had positive reactions to SPT of western water hemp, no adverse reactions were reported.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1125_ Ann Allergy (1975)35-180.pdf	1163862	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: 1126 - Pollens - Weeds and Garden Plants, Henna

Recommended Scientific Name Lawsonia inermis

Manufacturers of this Product

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

Search Strategy

PubMed: henna and lawsonia - allergy, pollen allergens, skin test, pollen allergenic extract - none relevant

Google: henna and lawsonia

Nomenclature

According to ITIS, the only accepted scientific name for henna is Lawsonia inermis (TSN 503345). Common name is henna. Scientific name needs to be updated. Synonym is Lawsonia alba. The Lawsonia genus is found in the Lythraceae family.

Parent Product

1126 - Pollens - Weeds and Garden Plants, Henna

Published Data

There are no known published data.

Panels:

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

Product: 1127 - Pollens - Weeds and Garden Plants, Hops Humulus lupulus

Manufacturers of this Product

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

Search Strategy

PubMed : hops allergy; hops allergen; hops immunotherapy – unrelated; humulus lupulus; homulus lupulus allergy
Google: hops pollen allergy; hops pollen allergy adverse; hops pollen allergen; hops pollen allergen adverse; same search results performed for Humulus lupulus

Nomenclature

According to ITIS, the scientific name is Humulus lupulus (TSN 19160). Common names are common hop, common hops, and hops. The scientific and common names are correct and current. There are four varieties of H. lupulus listed: lupuloides, lupulus, neomexicanus, and pubescens. The Humulus genus is found in the Cannabinaceae family. Humulus japonicus is a common variety of hops in Japan/Asia and the common variety in the United States is Humulus lupulus.

Parent Product

1127 - Pollens - Weeds and Garden Plants, Hops Humulus lupulus

Related Products

574 - Pollens - Cultivated Farm Plants, Hops Humulus lupulus

Published Data

Panel I reported (pg 3140) on two studies that supported use of hop pollen extract for diagnosis of hop pollinosis. Cerneic's paper (Ref. 165) reported that 65 out of 65 children had positive skin test to hop pollen extracts. Fifty-two of these children had positive nasal challenge tests and 55 had positive bronchial challenge tests. Horiguchi et. al.'s paper (Ref. 166) reported on one patient with hay fever symptoms. Passive transfer test was skin test negative. Nasal and eye challenge tests were positive.

PMID 11227917 reports cross-reactivity between Humulus japonicus pollen extracts and other common pollen extracts.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
574_ Allergy Asthma Proc-22-43.pdf	11227917	Park, H.S.	2001

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: 1128 - Pollens - Weeds and Garden Plants, Hops, Japanese Humulus japonica

Recommended Scientific Name Humulus japonicus

Manufacturers of this Product

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

Search Strategy

PubMed : hops allergy; hops allergen; hops immunotherapy – unrelated; humulus japonica;
Google: hops pollen allergy; hops pollen allergy adverse; hops pollen allergen; hops pollen allergen adverse; same search results performed for Humulus japonica

Nomenclature

According to ITIS, the correct spelling of Humulus japonica is Humulus japonicus (TSN 503065). Common name is Japanese hop. The common name is correct. The common name is correct and current. The scientific name needs to be updated. Synonym is Humulus scandens. The Humulus genus is in the Cannabaceae family.

Parent Product

1128 - Pollens - Weeds and Garden Plants, Hops, Japanese Humulus japonica

Published Data

Panel I (pg 3141) identified one paper that were a patient with hay fever symptoms received an intradermal skin test H. japonicus pollen extract produced a local reaction with pseudopods and exacerbation of hay fever symptoms. PMID 11227917 reports cross-reactivity between Humulus japonicus pollen extracts and other common pollen extracts. PMID 7741185: Sera from 267 patients with allergic rhinitis were blind assayed against total of 15 allergens including Japanese hops, test method was CAP-RAST. Frequency of IgE antibodies to Japanese hops ranged from 21.9 in ≤ 19 years old to 12.5 in ≥ 40 years old patients.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
574_ Allergy Asthma Proc-22-43.pdf	11227917	Park, H.S.	2001
1128_ Allergy-50-23.pdf	7741185	Suzuki, M	1995

Panels:

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

Product: 1129 - Pollens - Weeds and Garden Plants, Ice Plant Mesembryanthemum crystallinum

Manufacturers of this Product

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

Search Strategy

PubMed: Mesembryanthemum L. – iceplant -allergy; pollen allergens; pollen extract; skin test-none relevant.

Google: ice plant pollen allergy; ice plant pollen allergy adverse; ice plant pollen allergen; ice plant pollen allergen adverse; same search results performed for Mesembryanthemum crystallinum

Nomenclature

According to ITIS, the scientific name is Mesembryanthemum crystallinum (TSN 503818). Common names are common iceplant and ice plant. The genus, species, and common names are correct. Synonym is Gasoul crystallinum. The Mesembryanthemum genus is found in the Aizoaceae family.

Parent Product

1129 - Pollens - Weeds and Garden Plants, Ice Plant Mesembryanthemum crystallinum

Published Data

There are no data.

Panels:

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

Product: 1130 - Pollens - Weeds and Garden Plants, Iodine Bush *Allenrolfea 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)

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

Search Strategy

PubMed: *Allenrolfea occidentalis* (iodine bush) - allergy, skin test, pollen allergens, pollen extracts - none relevant; iodinebush - allergy, skin test, pollen allergens, pollen extracts- none relevant, chenopodiaceae cross-reactivity- none relevant

Google: iodinebush - adverse events - none relevant; *Allenrolfea occidentalis* with allergy, allergy adverse, allergen, and allergen adverse

Nomenclature

According to ITIS, the scientific name is *Allenrolfea occidentalis* (TSN 20677). Common name is iodinebush. The genus, species, and common names are correct. Synonym is *Halostachys occidentalis*. The *Allenrolfea* genus is found in the Chenopodiaceae family.

Parent Product

1130 - Pollens - Weeds and Garden Plants, Iodine Bush *Allenrolfea occidentalis*

Published Data

There are no data.

Panels:

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

Product: 1131 - Pollens - Weeds and Garden Plants, Jerusalem Oak Chenopodium botrys

Recommended Common Name Oak, Jerusalem

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)

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

Search Strategy

PubMed: *Allenrolfea occidentalis* (iodine bush) - allergy, skin test, pollen allergens, pollen extracts - none relevant; iodinebush - allergy, skin test, pollen allergens, pollen extracts- none relevant, chenopodiaceae cross-reactivity-none relevant

Google: iodinebush - adverse events - none relevant; *Allenrolfea occidentalis* with allergy, allergy adverse, allergen, and allergen adverse

Nomenclature

According to ITIS, the scientific name is *Chenopodium botrys* (TSN 20596). Common names are Jerusalem oak, Jerusalem oak goosefoot, and Jerusalem-oak. The scientific and common names are correct and current. Synonyms are *Botrydium botrys* and *Teloxys botrys*. The *Chenopodium* genus is found in the *Chenopodiaceae* family.

Parent Product

1269 - Pollens - Weeds and Garden Plants, Wormseed *Chenopodium botrys*

Related Products

1131 - Pollens - Weeds and Garden Plants, Jerusalem Oak *Chenopodium botrys*

Published Data

There are no known published data.

Panels:

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

Product: 1132 - Pollens - Weeds and Garden Plants, Knapweed *Centaurea maculosa*

Recommended Common Name Knapweed, Spotted

Recommended Scientific Name *Centaurea biebersteinii*

Manufacturers of this Product

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

Search Strategy

PubMed: aster-allergy; allergens; pollen allergy-none relevant; centaurea maculosa- allergy; allergens; allergenic extract; pollen allergy; skin test; hay fever; cross-reactivity-none relevant; Google: Knapweed allergy; Knapweed allergy adverse; Knapweed allergen; Knapweed allergen adverse; same search results performed for *Centaurea maculosa*

Nomenclature

According to ITIS, the current scientific name of *Centaurea maculosa* is *Centaurea biebersteinii* (TSN 501347). The common name is listed as spotted knapweed. Synonyms are *Acosta maculosa* and *Centaurea maculosa*. The *Centaurea* genus is found in the Asteraceae or Compositae family.

Parent Product

1132 - Pollens - Weeds and Garden Plants, Knapweed *Centaurea maculosa*

Published Data

There are no data.

Panels:

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

Product: 1133 - Pollens - Weeds and Garden Plants, Kochia (Mexican Firebush) Kochia scoparia

Recommended Common Name Cypress, Summer

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: Kochia scoparia - allergy; pollen allergy, skin test; allergenic extract

Google: firebush pollen allergy; firebush pollen allergy adverse; firebush pollen allergen; firebush pollen allergen adverse; same search results performed for Kochia scoparia

Nomenclature

According to ITIS, the scientific name is Kochia scoparia (TSN 20696). Common names are: common kochia, fireweed, kochia, Mexican bruningbush, Mexican firweed, mock cypress, and summer cypress. The scientific name is correct and current. The common name needs to be updated. Bassia scoparia, Bassia sieversiana, Kochia alata, K. scoparia var. culta, K. scoparia var. pubescens, K. scoparia var. subvillosa, K. scoparia var. trichophila, K. sieversiana, and K. trichophila are listed as synonyms. The Kochia genus is found in the Chenopodiaceae family.

Parent Product

1075 - Pollens - Weeds and Garden Plants, Burning Bush-Summer Cypress Kochia scoparia

Related Products

1115 - Pollens - Weeds and Garden Plants, Firebush, Kochia scoparia

1133 - Pollens - Weeds and Garden Plants, Kochia (Mexican Firebush) Kochia scoparia

Published Data

Panel 1 (pg. 3138) reported on a study where passive transfer tests were positive using sera from three patients.

PMID 9109711: 51% of patients were skin prick test positive to Kocia.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
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>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 1134 - Pollens - Weeds and Garden Plants, Lamb's Quarters Chenopodium album

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:Chenopodium album -allergy, pollinosis, skin test, pollen allergens, IgE several relevant articles; Link ImmunoCAP In VitroSight - goose foot, Lamb's quarters
Google: chenopodium album pollen extract adverse events

Nomenclature

According to ITIS, the scientific name is Chenopodium album (TSN 20592). Common names are common lambsquarters, lambsquarters, lambsquarters, goosefoot and white goosefoot. The genus, species and common names are correct. There are five varieties of C. album listed: album, microphyllum, missouriense, stevensii, and striatum. The Chenopodium genus is found in the Chenopodiaceae family.

Parent Product

1134 - Pollens - Weeds and Garden Plants, Lamb's Quarters Chenopodium album

Published Data

Panel I reported (g 3139) on several studies that used lamb's quarters pollen extracts for diagnosis. Sellers and Adamson (Ref 122) reported 36 patients with hay fever in the lamb's-quarters pollen season of which 33 had positive skin tests to this pollen extract. Passive transfer tests were positive with the sera of all 9 patients who were tested. Negative skin reactions to lamb's-quarters pollen extract were obtained in 2 of 2 control patients. Extract was made by the authors using glycerin saline and 1 g of dried pollen per 100cc of "fluid". Another report by Wodehouse (Ref 160) reported 3 patients with hay fever in the lamb's quarters pollen season who had positive skin test results to the lamb's quarters pollen extracts; passive transfer tests were positive using the sera from all three of the patients. Control group (2 people) had negative skin reactions. A third reference by Homan (Ref.126) found that about 20% of the patients who reacted to ragweed pollen extract also reacted to the lamb's-quarters pollen extracts.

PMID 11893853: Pollinosis to Chenopodium album has been reported in many papers. The major allergen Che a 1 was identified and characterized as a glycoprotein of molecular mass 17.088 kD and 143 amino acid residues, whose sequence exhibits 27-45% identity with known members of the Ole e 1-like protein family.

PMID 14646387: Subjects were skin prick test positive and RAST class 2 or above to Chenopodium album.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1134_ Int Arch Allergy Immunol 2003 132 258-262 .pdf	14646387	Arifhodzic, N	2003
1134_ Int Arch Allergy Immunol 2002 127 47-54.pdf	11893853	Barderas, R	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: 1135 - Pollens - Weeds and Garden Plants, Lantana Viburnum sieboldi

Recommended Common Name Arrowwood, Siebold's

Recommended Scientific Name Viburnum sieboldii

Manufacturers of this Product

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

Search Strategy

PubMed: honeysuckle allergy; C-pollen allergy; viburnum sieboldii - allergy, pollen, skin test; Siebold's arrowwood - allergy, pollen, skin; viburnum allergy

Google: lantana pollen allergy; lantana pollen allergy adverse; lantana pollen allergen; lantana pollen allergen adverse; same search results performed for Viburnum sieboldii

Nomenclature

According to ITIS, the correct spelling of Viburnum sieboldi is Viburnum sieboldii (TSN 35278). The common name is Siebold's arrowwood. The Viburnum genus is found in the Caprifoliaceae family.

Parent Product

1135 - Pollens - Weeds and Garden Plants, Lantana Viburnum sieboldi

Published Data

There are no known published data.

Panels:

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

Product: 1136 - Pollens - Weeds and Garden Plants, Lenscale Quailbrush Atriplex lentiformis

Recommended Common Name Quailbush

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)

Search Strategy

PubMed: big saltbush or quail bush allergy; pollen allergy; skin prick test;

Atriplex lentiformis allergy; atriplex allergy; atriplex cross-reactivity

Google: lenscale quailbrush allergy; lenscale quailbrush allergy adverse; lenscale quailbrush allergen; lenscale quailbrush allergen adverse; same search results performed for Atriplex lentiformis

Nomenclature

According to ITIS, the scientific name is Atriplex lentiformis (TSN 20543). The genus and species are correct. The common names are big saltbush and quailbush. Lenscale or quailbrush are not listed as common names. Two subspecies of A. lentiformis are listed: breweri and lentiformis. The Atriplex genus is found in the Chemopodiaceae family.

Parent Product

1136 - Pollens - Weeds and Garden Plants, Lenscale Quailbrush Atriplex lentiformis

Related Products

1236 - Pollens - Weeds and Garden Plants, Scale, Brewers Atriplex lentiformis breweri

1237 - Pollens - Weeds and Garden Plants, Scale, Lens Atriplex lentiformis

Published Data

Panel I (pg 3139) discussed genus - Atriplex, including species Atriplex lentiformis. According to Ref. 142, species within genus have antigenic similarity. Ref. 151 mentioned that there is antigenic similarity between Chenopods and Amaranths.

PMID 2581481: Extracts from Atriplex latifolia, Beta vulgaris, Salsola kali and Amaranthus retroflexus were compared with an extract from Chenopodium album using both in vivo and in vitro methods. It is suggested that the presence of common allergenic determinants exist. This implied that A. latifolia is cross-reactive with A. lentiformis.

PMID 12897724: Strong cross-allergenicity exists between Atriplex and other members of the Amaranthacea family.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1136_ Ann Allergy 54 - 430.pdf	2581481	Lombardero, M.	1985
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: 1137 - Pollens - Weeds and Garden Plants, Marshelder, Burweed (Giant Poverty) Iva xanthifoli

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: marshelder, giant marshelder, horseweed, false ragweed, burweed marshelder, giant sumpweed, cyclachaena xanthifolia

Google: marshelder allergy; marshelder allergy adverse; marshelder allergen; marshelder allergen adverse; same search results performed for Iva xanthifolia

Nomenclature

According to ITIS, the scientific name is Iva xanthifolia (TSN 36041). Common names are: burweed marshelder, carelessweed, false ragweed, giant marchelder, giant sumpweed, horseweed, marshelder, and rag sumpweed. The genus, species, and common names are correct. Synonym is Cyclachaena xanthifolia. The Iva genus is found in the Asteraceae family.

Parent Product

1137 - Pollens - Weeds and Garden Plants, Marshelder, Burweed (Giant Poverty) Iva xanthifolia

Published Data

Panel I (pg 3135) discussed marsh elder pollen cross-reacts with short ragweed so that a patient sensitive to one is usually sensitive to the other. However, antigenic differences are recognized and Iva has some related antigens and some which may be distinct from those of short ragweed (Ref. 158). Cross-reactivity and antigenic differences between Iva and short ragweed, giant ragweed, southern ragweed, western ragweed, Franseria, Xanthium and Artemisia (Ref. 41, 48, 158).

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: 1138 - Pollens - Weeds and Garden Plants, Marshelder, Narrowleaf Iva angustifolia

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: Iva angustifolia - pollen extract, cross-reactivity, skin prick test, allergy; narrowleaf marshelder pollen extract, cross-reactivity, skin prick test allergy, narrowleaf sumpweed skin prick test, allergy, cross-reactivity

Google: narrowleaf marshelder, Iva angustifolia adverse effects

Nomenclature

According to ITIS, the scientific name is Iva angustifolia (TSN 36030). Common names are narrowleaf marshelder and Narrowleaf sumpweed. The genus, species, and common names are correct. The Iva genus is found in the Asteraceae family.

Parent Product

1138 - Pollens - Weeds and Garden Plants, Marshelder, Narrowleaf Iva angustifolia

Published Data

Panel I (pg 3135) discussed that marsh elder pollen cross-reacts with short ragweed so that a patient sensitive to one is usually sensitive to the other. However, antigenic differences are recognized and Iva has some related antigens and some which may be distinct from those of short ragweed (Ref. 158). Cross-reactivity and antigenic differences between Iva and short ragweed, giant ragweed, southern ragweed, western ragweed, Franseria, Xanthium and Artemisia (Ref. 41, 48, 158).

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: 1139 - Pollens - Weeds and Garden Plants, Marshelder, Sm. Poverty

Recommended Common Name Povertyweed

Recommended Scientific Name Iva axillaris

Manufacturers of this Product

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

Search Strategy

PubMed: Rough marshelder or Iva ciliate, Iva annua and pollen allergy, allergens, cross-reactivity, skin prick test, IgE
Google: marshelder allergy; marshelder allergy adverse; marshelder allergen; marshelder allergen adverse; same search results performed for Iva ciliata

Nomenclature

According to ITIS, it is believed that small poverty indicates Iva axillaris (TSN 36033). Common names are: deer-root, Iva poverty weed, lesser marshelder, mouseear povertyweed, poverty sumpweed, poverty weed, povertyweed, and smallflowered marshelder. The scientific and common names need to be updated. Synonyms are Iva axillaris ssp, robustior and I. axillaris var. robustior. I. axillaris axillaris is listed as a variety. Iva genus is found in the Asteraceae family.

Parent Product

1170 - Pollens - Weeds and Garden Plants, Povertyweed, Iva axillaris

Related Products

1139 - Pollens - Weeds and Garden Plants, Marshelder, Sm. Poverty

1171 - Pollens - Weeds and Garden Plants, Povertyweed, Small Iva axillaris

Published Data

Rough marshelder was used for skin prick testing in two publications (PMID: 15054371 and 16890074). Rough marshelder is not a synonym for povertyweed, Iva axillaris. Hence there are no data to support the use of this product for the diagnosis or treatment of allergy.

Another published abstract (PMID: 1704024) used fluorescent allergosorbent testing as an inhibition assay to determine cross reactivity between aeroallergens.

PMID: 12897724 indicates minor to little cross-allergenicity between ragweeds and mugwort, marshelder, or cocklebur.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1161_JACI 112-229.pdf	12897724	Weber, R.W.	2003
1170_OTO Head and Neck Surg 130-306.pdf	15054371	Calhoun, K.H.	2004
1170_OTO Head and Neck Surg 135-232.pdf	16890074	McKay, S.P.	2006
1140_J Allergy Clin Immunol 87-98.pdf	1704024	Perrick, D.	1991

Panels:

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

Product: 1140 - Pollens - Weeds and Garden Plants, Marshelder, True (Rough) Iva ciliata

Recommended Common Name Marshelder, Annual

Recommended Scientific Name Iva annua var annua

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: Rough marshelder or Iva ciliate, Iva annua and pollen allergy, allergens, cross-reactivity, skin prick test, IgE

Google: marshelder allergy; marshelder allergy adverse; marshelder allergen; marshelder allergen adverse; same search results performed for Iva ciliata

Nomenclature

According to ITIS, the current name of Iva ciliata is Iva annua var annua (TSN 528575). Common names annual marsh-elder and annual marshelder. Synonym is Iva ciliate. The Iva genus is found in the Asteraceae family.

Parent Product

1140 - Pollens - Weeds and Garden Plants, Marshelder, True (Rough) Iva ciliata

Published Data

Panel I (pg 3137) reported one study discussing the diagnostic use of Iva ciliata pollen extracts (ref 48). Thirty-two of 44 patients with hay fever symptoms during the fall pollen season had positive skin reactions to marsh elder pollen extract. Four of the 32 reacted to marsh elder pollen extract only; the others (28 patients) reacted also to one or more of the tested ragweed (short, giant, and western) pollen extracts.

PMID 1704024: In a study using a fluorescent allergosorbent test, similar antigenic determinants were found between short and giant ragweed, cocklebur, lamb's quarters, rough pigweed, marsh elder, and goldenrod.

PMID 9109711: Of 1159 patients with asthma and allergic rhinitis attending an allergy clinic in Saudi Arabia who tested positive to one or more inhalants, 23.4% were sensitized to rough marsh elder.

PMID 13324428: Tocker noted that rough march elder (Iva ciliata) is closely related botanically to the genera Ambrosia, ragweed. Based on skin testing data, Tocker noted that ragweed and rough march elder contain some allergen in common and an allergen mutually exclusive of each other.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1140_ Ann Allergy Asthma Immunol 78-415.pdf	9109711	Suliaman, FA	1997
1140_ South Med J 1956 May 49 445-52.pdf	13324428	Tocker, AM	1956
1140_ J Allergy Clin Immunol 87-98.pdf	1704024	Perrick, D.	1991

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: 1141 - Pollens - Weeds and Garden Plants, Mexican Tea *Chenopodium ambrosioides*

Recommended Scientific Name *Chenopodium ambrosioides*

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: *Chenopodium ambrosioides* allergy; pollen allergy; allergens; Mexican Tea - allergy; pollen allergy; allergens
Google: Mexican tea allergy; a Mexican tea llergy adverse; Mexican tea allergen; Mexican tea allergen adverse; same search results performed for *Chenopodium ambrosioides*

Nomenclature

According to ITIS, the scientific name is *Chenopodium ambrosioides* (TSN 20590). Common names are Mexican tea and Mexican-tea. The scientific and common names are correct and current. There are two varieties of *C. ambrosioides* listed: *ambrosioides* and *obovatum*. The *Chenopodium* genus is found in the *Chenopodiaceae* family.

Parent Product

1268 - Pollens - Weeds and Garden Plants, Wormseed *Chenopodium arthelminthicum*

Related Products

1141 - Pollens - Weeds and Garden Plants, Mexican Tea *Chenopodium ambrosioides*

Published Data

No supportive data were identified.

The essential oil in the seed and flowering plant is highly toxic. In excess it can cause dizziness, vomiting, convulsions and even death. The plant can also cause dermatitis or other allergic reactions (<http://ibiblio.org/>).

Panels:

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

Product: 1142 - Pollens - Weeds and Garden Plants, Mimosa Albizzia julibrissin

Recommended Scientific Name Albizia julibrissin

Manufacturers of this Product

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

Search Strategy

PubMed: Albizia julibrissin and skin test, IgE, allergy, cross-reactivity; Persian acacia allergy; Albizia cross reactivity

Google: Mimosa pollen allergy; Mimosa pollen allergy adverse; Mimosa pollen allergen; Mimosa pollen allergen adverse; same search results performed for Albizia julibrissin

Nomenclature

According to ITIS, the correct spelling of the scientific name is Albizia julibrissin. This plant is also known by the common names of mimosa, powderpuff tree, and silktree. The Albizia genus is found in the Fabaceae family.

Parent Product

1142 - Pollens - Weeds and Garden Plants, Mimosa Albizzia julibrissin

Published Data

There are no known published data.

Panels:

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

Product: 1143 - Pollens - Weeds and Garden Plants, Mugwort Artemisia spp.

Recommended Scientific Name Artemisia, (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)

Search Strategy

PubMed: Artemisia allergy
Google: Mugwort allergy; Mugwort allergy adverse; Mugwort allergen; Mugwort allergen adverse; same search results performed for Artemisia

Nomenclature

According to ITIS, the Artemisia genus (TSN 35431) contains four varieties, four subspecies and sixty-one species. The Artemisia genus is found in the Asteraceae family.

Parent Product

1143 - Pollens - Weeds and Garden Plants, Mugwort Artemisia spp.

Published Data

PMID: 9532972 investigated the prevalence of atopic disease, skin test reactivity, total and specific IgE to common allergens. A. vulgaris was one of the common allergens assessed.

PMID: 9357380 investigated the in-vitro cross-reactivity among nine Artemisia species: A. frigida, A. annua, A. biennis, A. filifolia, A. tridentata, A. californica, A. gnaphalodes, A. ludoviciana, and A. vulgaris. Their data demonstrated very strong in-vitro cross-reactivity among the nine Artemisia species studied.

PMID 12897724 states that "Strong cross-allergenicity between Artemisisa species."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1200_ Ann Allergy Asthma Immunol 80 (237).pdf	9532972	García-González, J.J.	1998
1200_ AnnAllergyAsthmaImmunol.79(4).340.pdf	9357380	Katial, R.K.	1997
1161_ 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: 1144 - Pollens - Weeds and Garden Plants, Mugwort, California Artemisia heterophylla

Recommended Common Name Wwormwood, Forked

Recommended Scientific Name Artemisia furcata var. heterophylla

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: Artemisia heterophylla allergy

Google: Mugwort allergy; Mugwort allergy adverse; Mugwort allergen; Mugwort allergen adverse; same search results performed for Artemisia heterophylla and Artemisia furcata var. heterophylla

Nomenclature

According to ITIS, the current name of Artemisia heterophylla is Artemisia furcata var. heterophylla. The common name for Artemisia furcata var. heterophylla is forked wormwood. The Artemisia genus is found in the Asteraceae family.

Parent Product

1144 - Pollens - Weeds and Garden Plants, Mugwort, California Artemisia heterophylla

Published Data

PMID: 9532972 investigated the prevalence of atopic disease, skin test reactivity, total and specific IgE to common allergens. A. vulgaris was one of the common allergens assessed.

PMID: 9357380 investigated the in-vitro cross-reactivity among nine Artemisia species: A. frigida, A. annua, A. biennis, A. filifolia, A. tridentata, A. californica, A. gnaphalodes, A. ludoviciana, and A. vulgaris. Their data demonstrated very strong in-vitro cross-reactivity among the nine Artemisia species studied.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1144_ Ann Allergy Asthma Immunol 80 (237).pdf	9532972	García-González, J.J.	1998
1144_ AnnAllergyAsthmaImmunol.79(4).340.pdf	9357380	Katial, R.K.	1997

Panels:

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

Product: 1145 - Pollens - Weeds and Garden Plants, Mugwort, Common Artemisia vulgaris

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

Search Strategy

PubMed: Artemisia vulgaris allergy
Google: Mugwort allergy; Mugwort allergy adverse; Mugwort allergen; Mugwort allergen adverse; same search results performed for Artemisia vulgaris

Nomenclature

According to ITIS, the genus, species, and common names are correct. There are two varieties of A. vulgaris listed: kamtschatica and vulgaris. The Artemisia genus is found in the Asteraceae family.

Parent Product

1145 - Pollens - Weeds and Garden Plants, Mugwort, Common Artemisia vulgaris

Published Data

PMID: 9532972 investigated the prevalence of atopic disease, skin test reactivity, total and specific IgE to common allergens. A. vulgaris was one of the common allergens assessed.

PMID: 9357380 investigated the in-vitro cross-reactivity among nine Artemisia species: A. frigida, A. annua, A. biennis, A. filifolia, A. tridentata, A. californica, A. gnaphalodes, A. ludoviciana, and A. vulgaris. Their data demonstrated very strong in-vitro cross-reactivity among the nine Artemisia species studied.

PMID 12897724 states that "Strong cross-allergenicity between Artemisisa species."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1145_ Ann Allergy Asthma Immunol 80 (237).pdf	9532972	García-González, J.J.	1998
1200_ AnnAllergyAsthmaImmunol.79(4).340.pdf	9357380	Katial, R.K.	1997
1161_ 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: 1146 - Pollens - Weeds and Garden Plants, Mugwort, Darkleaved Artemisia ludoviciana

Recommended Common Name Sagebrush, White

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: Mugwort, Western Artemisia ludoviciana and allergen and allergy and immunotherapy; cudweed sagewort Artemisia ludoviciana.

Google: Mugwort and Western Artemisia ludoviciana; cudweed sagewort and Artemisia ludoviciana and allergy and allergen and immunotherapy.

Nomenclature

According to ITIS, the genus and species are correct. The common names are listed as cudweed sagewort, gray sagewort, Louisiana sagewort, Louisiana wormwood, mugwort wormwood, prairie sage, and white sagebrush. There are eight subspecies of A. ludoviciana listed: albula, candicans, estesii, incompta, ludoviciana, Mexicana, redolens, and sulcata. The Artemisia genus is found in the Asteraceae family.

Parent Product

1208 - Pollens - Weeds and Garden Plants, Sage, Mugwort, Western Artemisia ludoviciana

Related Products

1146 - Pollens - Weeds and Garden Plants, Mugwort, Darkleaved Artemisia ludoviciana

1147 - Pollens - Weeds and Garden Plants, Mugwort, Western Artemisia ludoviciana

1204 - Pollens - Weeds and Garden Plants, Sage, Mixed Artemisia ludoviciana

1212 - Pollens - Weeds and Garden Plants, Sage, Prairie, Artemisia gnaphaloides

1213 - Pollens - Weeds and Garden Plants, Sage, Western Artemisia gnaphalodes

1224 - Pollens - Weeds and Garden Plants, Sagebrush, Prairie Artemisia gnaphalodes

1225 - Pollens - Weeds and Garden Plants, Sagebrush, Prairie Artemisia ludoviciana

1229 - Pollens - Weeds and Garden Plants, Sagebrush, Western Artemisia gnaphaloides

1230 - Pollens - Weeds and Garden Plants, Sagebrush, White (Prairie) Artemisia ludoviciana

Published Data

PMID: 9532972 investigated the prevalence of atopic disease, skin test reactivity, total and specific IgE to common allergens. A. vulgaris was one of the common allergens assessed.

PMID: 9357380 investigated the in-vitro cross-reactivity among nine Artemisia species: A. frigida, A. annua, A. biennis, A. filifolia, A. tridentata, A. californica, A. gnaphalodes, A. ludoviciana, and A. vulgaris. Their data demonstrated very strong in-vitro cross-reactivity among the nine Artemisia species studied.

PMID 12897724 states that "Strong cross-allergenicity between Artemisisa species."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1146_ Ann Allergy Asthma Immunol 80 (237).pdf	9532972	García-González, J.J.	1998
1146_ AnnAllergyAsthmaImmunol.79(4).340.pdf	9357380	Katial, R.K.	1997
1161_ 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: 1147 - Pollens - Weeds and Garden Plants, Mugwort, Western Artemisia ludoviciana

Recommended Common Name Sagebrush, White

Manufacturers of this Product

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

Search Strategy

PubMed: Mugwort, Western Artemisia ludoviciana and allergen and allergy and immunotherapy; cudweed sagewort Artemisia ludoviciana

Google: Mugwort and Western Artemisia ludoviciana; cudweed sagewort and Artemisia ludoviciana and allergy and allergen and immunotherapy

Nomenclature

According to ITIS, the scientific name is Artemisia ludoviciana. The common names are listed as cudweed sagewort, gray sagewort, Louisiana sagewort, Louisiana wormwood, mugwort wormwood, prairie sage, and white sagebrush. The scientific name is correct and current. The common name needs to be updated. There are eight subspecies of A. ludoviciana listed: albula, candicans, estesii, incompta, ludoviciana, Mexicana, redolens, and sulcata. The Artemisia genus is found in the Asteraceae family.

Parent Product

1208 - Pollens - Weeds and Garden Plants, Sage, Mugwort, Western Artemisia ludoviciana

Related Products

1146 - Pollens - Weeds and Garden Plants, Mugwort, Darkleaved Artemisia ludoviciana

1147 - Pollens - Weeds and Garden Plants, Mugwort, Western Artemisia ludoviciana

1204 - Pollens - Weeds and Garden Plants, Sage, Mixed Artemisia ludoviciana

1212 - Pollens - Weeds and Garden Plants, Sage, Prarie, Artemisia gnaphaloides

1213 - Pollens - Weeds and Garden Plants, Sage, Western Artemisia gnapholodes

1224 - Pollens - Weeds and Garden Plants, Sagebrush, Prairie Artemisia gnaphalodes

1225 - Pollens - Weeds and Garden Plants, Sagebrush, Prairie Artemisia ludoviciana

1229 - Pollens - Weeds and Garden Plants, Sagebrush, Western Artemisia graphaloides

1230 - Pollens - Weeds and Garden Plants, Sagebrush, White (Prairie) Artemisia ludoviciana

Published Data

PMID: 9532972 investigated the prevalence of atopic disease, skin test reactivity, total and specific IgE to common allergens. A. vulgaris was one of the common allergens assessed.

PMID: 9357380 investigated the in-vitro cross-reactivity among nine Artemisia species: A. frigida, A. annua, A. biennis, A. filifolia, A. tridentata, A. californica, A. gnaphalodes, A. ludoviciana, and A. vulgaris. Their data demonstrated very strong in-vitro cross-reactivity among the nine Artemisia species studied.

PMID 12897724 states that "Strong cross-allergenicity between Artemisisa species."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1147_ Ann Allergy Asthma Immunol 80 (237).pdf	9532972	García-González, J.J.	1998
1147_ AnnAllergyAsthmaImmunol.79(4).340.pdf	9357380	Katial, R.K.	1997
1161_ 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: 1148 - Pollens - Weeds and Garden Plants, Mule Fat Baccharis viminae

Recommended Scientific Name Baccharis salicifolia

Manufacturers of this Product

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

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 correct scientific name of Baccharis viminae is Baccharis salicifolia. The common names are mule's fat, mule-fat, seep willow, seepwillow, and seepwillow baccharis. The common name is correct and current. The scientific name needs to be updated. The Baccharis genus is found in the Asteraceae family.

Parent Product

1148 - Pollens - Weeds and Garden Plants, Mule Fat Baccharis viminae

Published Data

One paper (PMID: 12583700) reported that some Baccharis species are toxic to cattle, sheep, rabbits, horses, and pigs.

No supportive data were identified.

<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: 1149 - Pollens - Weeds and Garden Plants, Mustard, Black Brassica nigra

Manufacturers of this Product

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

Search Strategy

PubMed, ISI: mustard pollen, mustard pollen allergy, brassica nigra allergy, brassica campestris allergy, brassica alba allergy, brassica arvensis allergy, sinapis alba allergy, Guilleinia flavescens allergy, Sinapis arvensis allergy, charlock allergy, brassica pollen allergy, Brassica rapa var. rapa

Google: mustard pollen; "adverse events"; mustard pollen extract, "adverse events"; brassica nigra; "adverse events"; brassica campestris, "adverse events"; brassica alba, "adverse events"; brassica arvensis, "adverse events"; sinapis arvensis, "adverse events"; Brassica rapa var. rapa, "adverse events"; charlock, "adverse events"

Nomenclature

According to ITIS, the scientific name is Brassica nigra. Common names are black mustard and shortpod mustard. Sinapis nigra is listed as a synonym. The scientific and common names are correct and current. The Brassica genus is found in the Brassicaceae family.

Parent Product

575 - Pollens - Cultivated Farm Plants, Mustard, Black Brassica nigra

Related Products

1149 - Pollens - Weeds and Garden Plants, Mustard, Black Brassica nigra

Published Data

Mustard is frequently reported as a food allergen in the literature. One paper (PMID 7647585) reported on an in vitro study for immunobiochemical characterization of B. campestris pollen allergen. In this study, sera from 15 patients with markedly positive intradermal reactions to B. campestris pollen extracts were used to identify four allergenic proteins in B. campestris pollen extracts. No other papers reported on allergy to mustard pollen or on cross-reactivity between mustard pollen and other pollens.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
577_ Int Arch Allergy Immunol 108-43.pdf	7647585	Singh, BP	1995

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

Product: 1150 - Pollens - Weeds and Garden Plants, Mustard, Charlock (Wild) Brassica (kaber) arvensis

Recommended Common Name Mustard, wild

Recommended Scientific Name Sinapis arvensis

Manufacturers of this Product

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

Search Strategy

PubMed, ISI: mustard pollen, mustard pollen allergy, brassica nigra allergy, brassica campestris allergy, brassica alba allergy, brassica arvensis allergy, sinapis alba allergy, Guillenia flavescens allergy, Sinapis arvensis allergy, charlock allergy, brassica pollen allergy, Brassica rapa var. rapa

Google: mustard pollen; "adverse events"; mustard pollen extract, "adverse events"; brassica nigra; "adverse events"; brassica campestris, "adverse events"; brassica alba, "adverse events"; brassica arvensis, "adverse events"; sinapis arvensis, "adverse events"; Brassica rapa var. rapa, "adverse events"; charlock, "adverse events"

Nomenclature

According to ITIS, the accepted scientific name for Brassica kaber is Sinapis arvensis. Common names are charlock, charlock mustard, corn mustard, corn-mustard, and wild mustard. The scientific and common names need to be updated. Additional synonyms for S. arvensis are B. arvensis, B. kaber var. pinnatifida, and B. kaber var. schkuhriana. The Sinapis genus is found in the Brassicaceae family.

Parent Product

1150 - Pollens - Weeds and Garden Plants, Mustard, Charlock (Wild) Brassica (kaber) arvensis

Published Data

Mustard is frequently reported as a food allergen in the literature.

PMID: 7647585 reported on an in vitro study for immunobiochemical characterization of B. campestris pollen allergen. In this study, sera from 15 patients with markedly positive reactions to B. campestris pollen extracts were used to identify four allergenic proteins in B. campestris pollen extracts.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
577_ Int Arch Allergy Immunol 108-43.pdf	7647585	Singh, BP	1995

Panels:

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

Product: 1151 - Pollens - Weeds and Garden Plants, Mustard, Common Yellow Brassica campestris

Recommended Scientific Name Brassica rapa var. rapa

Manufacturers of this Product

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

Search Strategy

PubMed, ISI: mustard pollen, mustard pollen allergy, brassica nigra allergy, brassica campestris allergy, brassica alba allergy, brassica arvensis allergy, sinapis alba allergy, Guilleinia flavescens allergy, Sinapis arvensis allergy, charlock allergy, brassica pollen allergy, Brassica rapa var. rapa

Google: mustard pollen; "adverse events"; mustard pollen extract, "adverse events"; brassica nigra; "adverse events"; brassica campestris, "adverse events"; brassica alba, "adverse events"; brassica arvensis, "adverse events"; sinapis arvensis, "adverse events"; Brassica rapa var. rapa, "adverse events"; charlock, "adverse events"

Nomenclature

According to ITIS and PLANTS database, the current name of Brassica campestris is Brassica rapa var. rapa. Common names are birdrape, rape, field mustard, and common mustard. The common name is correct and current. The scientific name needs to be updated. Synonyms are: Brassica campestris, B. campestris var. rapa, B. campestris ssp. rapifera, B. rapa ssp. campestris, B. rapa var. campestris, B. rapa ssp. olifera, B. rapa ssp. sylvestris, and Caulantrhus sulfureus. The Brassica genus is found in the Brassicaceae family.

Parent Product

577 - Pollens - Cultivated Farm Plants, Mustard, Field Brassica campestris

Related Products

1151 - Pollens - Weeds and Garden Plants, Mustard, Common Yellow Brassica campestris

Published Data

Mustard is frequently reported as a food allergen in the literature.

One paper (PMID 7647585) reported on an in vitro study for immunobiochemical characterization of B. campestris pollen allergen. In this study, sera from 15 patients with markedly positive intradermal reactions to B. campestris pollen extracts were used to identify four allergenic proteins in B. campestris pollen extracts. No other papers reported on allergy to mustard pollen or on cross-reactivity between mustard pollen and other pollens.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
577_ Int Arch Allergy Immunol 108-43.pdf	7647585	Singh, BP	1995

Panels:

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

Product: 1152 - Pollens - Weeds and Garden Plants, Mustard, Common Yellow Brassica rapa

Manufacturers of this Product

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

Search Strategy

PubMed, ISI: mustard pollen, mustard pollen allergy, brassica nigra allergy, brassica campestris allergy, brassica alba allergy, brassica arvensis allergy, sinapis alba allergy, Guillenia flavescens allergy, Sinapis arvensis allergy, charlock allergy, brassica pollen allergy, Brassica rapa var. rapa

Google: mustard pollen; "adverse events"; mustard pollen extract, "adverse events"; brassica nigra; "adverse events"; brassica campestris, "adverse events"; brassica alba, "adverse events"; brassica arvensis, "adverse events"; sinapis arvensis, "adverse events"; Brassica rapa var. rapa, "adverse events"; charlock, "adverse events"

Nomenclature

According to ITIS, the scientific name is Brassica rapa. Common names are bird's rape, birdsrape mustard, field mustard, rape, rape mustard, turnip rape, wild mustard, wild rutabaga, and wild turnip. The scientific and common names are correct and current. There are five varieties of B. rapa listed: amplexicaulis, dichotoma, rapa, silvestris, trilocularis and two subspecies listed: rapa and sarson. The Brassica genus is found in the Brassicaceae family.

Parent Product

1152 - Pollens - Weeds and Garden Plants, Mustard, Common Yellow Brassica rapa

Published Data

Mustard is frequently reported as a food allergen in the literature.

PMID: 7647585 reported on an in vitro study for immunobiochemical characterization of B. campestris pollen allergen. In this study, sera from 15 patients with markedly positive reactions to B. campestris pollen extracts were used to identify four allergenic proteins in B. campestris pollen extracts.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
577_ Int Arch Allergy Immunol 108-43.pdf	7647585	Singh, BP	1995

Panels:

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

Product: 1153 - Pollens - Weeds and Garden Plants, Mustard, White Sinapis alba

Manufacturers of this Product

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

Search Strategy

PubMed, ISI: mustard pollen, mustard pollen allergy, brassica nigra allergy, brassica campestris allergy, brassica alba allergy, brassica arvensis allergy, sinapis alba allergy, Guilleinia flavescens allergy, Sinapis arvensis allergy, charlock allergy, brassica pollen allergy, Brassica rapa var. rapa

Google: mustard pollen; "adverse events"; mustard pollen extract, "adverse events"; brassica nigra; "adverse events"; brassica campestris, "adverse events"; brassica alba, "adverse events"; brassica arvensis, "adverse events"; sinapis arvensis, "adverse events"; Brassica rapa var. rapa, "adverse events"; charlock, "adverse events"

Nomenclature

According to ITIS, the scientific name is Sinapis alba. Common names are white mustard and white-mustard. The scientific and common names are correct and current. Synonyms for S. alba are Brassica alba and B. hirta. The Sinapis genus is found in the Brassicaceae family.

Parent Product

578 - Pollens - Cultivated Farm Plants, Mustard, White Brassica alba

Related Products

1153 - Pollens - Weeds and Garden Plants, Mustard, White Sinapis alba

Published Data

Mustard is frequently reported as a food allergen in the literature. One paper (PMID 7647585) reported on an in vitro study for immunobiochemical characterization of B. campestris pollen allergen. In this study, sera from 15 patients with markedly positive intradermal reactions to B. campestris pollen extracts were used to identify four allergenic proteins in B. campestris pollen extracts. No other papers reported on allergy to mustard pollen or on cross-reactivity between mustard pollen and other pollens.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
577_ Int Arch Allergy Immunol 108-43.pdf	7647585	Singh, BP	1995

Panels:

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

Product: 1154 - Pollens - Weeds and Garden Plants, Nettle Urtica dioica

Recommended Scientific Name Urtica dioica

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: urtica dioica allergy; urtica dioica pollen allergy
Google: nettle pollen allergy; nettle pollen allergy adverse; nettle pollen allergen; nettle pollen allergen adverse; same search results performed for Urtica dioica and U. dioica

Nomenclature

According to ITIS, the correct spelling of Urtica dioica is Urtica dioica. Common names for U. dioica are California nettle, slender nettle, stinging nettle, and tall nettle. The common name is correct and current. The scientific name needs to be updated. One variety of U. dioica is listed: holoserica and three subspecies: dioica, gracilis, and holosericea. The Urtica genus is found in the family Urticaceae.

Parent Product

1154 - Pollens - Weeds and Garden Plants, Nettle Urtica dioica

Published Data

Panel 1 (pg. 3159) described a paper by Solomon who tested atopic patients with U. gracilis extract. Nasal provocation testing was also performed and data supported the use of this extract for diagnosis. PMID: 2410372 indicated that there is an antigenic determinant in common between Parietaria and Urtica genera; however, there is no allergenic significance between these genera. Additional papers (PMID: 17042140 and 3082528) further discussed the phenotypic similarities between genera Parietaria and Urtica and demonstrate non-cross-reactivity of these pollen extract genera. These papers represented good examples of non-cross-reactive pollens among the same family.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1154_ Ann Allergy Asthma Immunol 2006 Sep 97 343-9.pdf	17042140	Vega-Maray AM	2006
1154_ Clin Allergy 1986 16 57-64.pdf	3082528	Bousquet, J	1986
1154_ Int Archs Allergy appl Immun 1985 77 377-383.pdf	2410372	Corbi, AL	1985

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: 1155 - Pollens - Weeds and Garden Plants, Nettle Urtica sp

Recommended Scientific Name Urtica, (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)

Search Strategy

PubMed: urtica dioica allergy; urtica dioica pollen allergy

Google: nettle pollen allergy; nettle pollen allergy adverse; nettle pollen allergen; nettle pollen allergen adverse; same search results performed for Urtica dioica and U. dioica

Nomenclature

According to ITIS, there are five species of Urtica: U.dioica; U.urens; U.gracilentia; U.chamaedryoides; U.ballotifolia. The scientific and common names need to be updated. The Urtica genus is found in the family Urticaceae.

Parent Product

1155 - Pollens - Weeds and Garden Plants, Nettle Urtica sp

Published Data

Panel 1 (pg. 3159) described a paper by Solomon who tested atopic patients with U. gracilis extract. Nasal provocation testing was also performed and data supported the use of this extract for diagnosis.

Panels:

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

Product: 1156 - Pollens - Weeds and Garden Plants, Palmer's Amaranth *Amaranthus palmerii*

Recommended Scientific Name *Amaranthus palmeri*

Manufacturers of this Product

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

Search Strategy

PubMed: Palmer amaranth; Palmer's amaranth; pigweed and pollen allergy, skin prick test

Google: Palmer amaranth allergy; Palmer amaranth allergy adverse; Palmer amaranth allergen; Palmer amaranth allergen adverse; same search results performed for *Amaranthus palmerii*

Nomenclature

According to ITIS, the scientific name is *Amaranthus palmeri* (TSN 20740). Common names are carelessweed, Palmer amaranth, and Palmer's amaranth. The common name is correct and current. The scientific name needs to be updated. The *Amaranthus* genus is found in the *Amaranthaceae* family.

Parent Product

1156 - Pollens - Weeds and Garden Plants, Palmer's Amaranth *Amaranthus palmerii*

Related Products

1081 - Pollens - Weeds and Garden Plants, Careless Weed *Amaranthus palmeri*

Published Data

Panel 1 cited several references (Refs 43, 44, 122, 142, 149 and 151, pg 3136) reporting high cross-reactivity among genus (pigweed). Sellers and Adams (Ref 122) and Wodehouse (Ref 142), using gel diffusion technique, showed that *Amaranthus spinosus*, *A. palmeri*, *A. retroflexus*, and *Acnida tamariscina* (from genus *Acnida*) contain identical antigens and in nearly the same proportions. Furthermore, they showed that the same four *Amaranthaceae* pollens have the antigenic similarity with *Chenopodaceae* including *Salsola pestifer*, *Kohia scopario*, *Chenopodium album*, *Atriplex canescens*, and *Atriplex Wrightii*. (Botanically both families *Amaranthaceae* and *Chenopodaceae* are closely related). Lindenbaum (Ref.110) reported 9 patients with hay fever or asthma during the amaranth pollen season and had positive skin reactions to amaranth pollen.

A review in PMID: 12897724 indicated a strong cross-allergenicity among *Amaranthus* species; and cross-inhibition between some chenopods and amaranths.

PMID: 15479271 reported that overall aeroallergen skin test reactivity increased throughout childhood. The prevalence of positive skin tests for *A. palmeri* pollen extract (1:20 w/v, Hollister-Stier) increased from 12% (at age 6) to 24.6% (the same patients at age 11).

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1156_Clin Exp Allergy 2004 Oct 34 10 1563-669.pdf	15479271	Stern, DA	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 I	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 1157 - Pollens - Weeds and Garden Plants, Pellitory Parietaria officinalis

Recommended Common Name Pellitory, Upright

Manufacturers of this Product

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

Search Strategy

PubMed: Parietaria officinalis pollen allergy

Google: pellitory pollen allergy; pellitory pollen allergy adverse; pellitory pollen allergen; pellitory pollen allergen adverse; same search results performed for Parietaria officinalis

Nomenclature

According to ITIS, the scientific name is Parietaria officinalis (TSN 19168). The common name is upright pellitory. The scientific name is correct and current. The common name needs to be updated. Synonym is Parietaria diffusa. The Parietaria genus is found in the Urticaceae family.

Parent Product

1157 - Pollens - Weeds and Garden Plants, Pellitory Parietaria officinalis

Published Data

Panel 1 cited two references (pg 3159) using P. officinalis extract (Ref 86) or wall pellitory pollen (Ref 87) for skin test diagnosis. Serafini (Ref 86) reported that 944 patients clinically sensitive to P. officinalis had positive skin tests to this extract with an incidence of asthma of 67.5 percent. Of the 944 patients, 529 were sensitive only to P. officinalis. Panzani (Ref 87) reported 12 of 12 patients with hay fever and asthma showed positive skin test reactions to P. officinalis pollen. Six of the 12 patients had skin reactions to no other pollen.

Several articles (PMID: 2410372, 17063667, 16393270, 12660421, and 9933896) were found to support high cross-reactivity among genus Parietaria.

PMID: 10371089 reported on a double-blind, placebo controlled, cross-over clinical study that used active investigational SIT (specific immunotherapy) with Parietaria (equal amounts of P. judaica and P. officinalis pollens). The study supported the use of Parietaria for immunotherapy.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1157_ Allergy Asthma Proc 2006 Sep-Oct 27 5 378-82.pdf	17063667	Bonura, A	2006
1157_ Clin Exp Allergy 2006 Jan 36 1 87-93.pdf	16393270	Arilla, MC	2006
1157_ Int Arch allergy Immunol Mar 2003 130-3 173-179.pdf	12660421	Colombo, P	2003
1157_ Allergy 1999 Apr 54 4 313-9.pdf	10371089	Ariano, R	1999
1158_ CMJOnline_40-1.pdf	9933896	Cvitanović S	1999
1154_ Int Archs Allergy appl Immun 1985 77 377-383.pdf	2410372	Corbi, AL	1985

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: 1158 - Pollens - Weeds and Garden Plants, Parietaria, Parietaria judaica

Recommended Common Name Spreading Pellitory

Manufacturers of this Product

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

Search Strategy

PubMed: Parietaria judaica pollen allergy

Google: Parietaria pollen allergy; Parietaria pollen allergy adverse; Parietaria pollen allergen; Parietaria pollen allergen adverse; same search results performed for Parietaria judaica

Nomenclature

According to ITIS, the scientific name is Parietaria judaica (TSN 19167). The common name is spreading pellitory. The scientific name is correct and current. The common name needs to be updated. Synonym is Parietaria diffusa. The Parietaria genus is found in the Urticaceae family.

Parent Product

1158 - Pollens - Weeds and Garden Plants, Parietaria, Parietaria judaica

Published Data

Panel 1 cited two references (pg 3159) using P. officinalis extract (Ref 86) or wall pellitory pollen (Ref 87) for skin test diagnosis. Serafini (Ref 86) reported that 944 patients clinically sensitive to P. officinalis had positive skin tests to this extract with an incidence of asthma of 67.5 percent. Of the 944 patients, 529 were sensitive only to P. officinalis. Panzani (Ref 87) reported 12 of 12 patients with hay fever and asthma showed positive skin test reactions to P. officinalis pollen. Six of the 12 patients had skin reactions to no other pollen.

Several articles (PMID: 2410372, 17063667, 16393270, and 12660421) were found to support high cross-reactivity among genus Parietaria.

PMID: 10371089 reported on a double-blind, placebo controlled, cross-over clinical study that used active investigational SIT (specific immunotherapy) with Parietaria (equal amounts of P. judaica and P. officinalis pollens). The study supported the use of Parietaria for immunotherapy.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1157_ Allergy Asthma Proc 2006 Sep-Oct 27 5 378-82.pdf	17063667	Bonura, A	2006
1157_ Clin Exp Allergy 2006 Jan 36 1 87-93.pdf	16393270	Arilla, MC	2006
1157_ Int Arch allergy Immunol Mar 2003 130-3 173-179.pdf	12660421	Colombo, P	2003
1157_ Allergy 1999 Apr 54 4 313-9.pdf	10371089	Ariano, R	1999
1154_ Int Archs Allergy appl Immun 1985 77 377-383.pdf	2410372	Corbi, AL	1985

Panels:

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

Product: 1159 - Pollens - Weeds and Garden Plants, Pickleweed Salicornia ambigua

Recommended Common Name Chickenclaws

Recommended Scientific Name Sarcocornia perennis

Manufacturers of this Product

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

Search Strategy

PubMed: Salicornia ambigua pollen allergy; Salicornia ambigua allergy; Sarcocornia allergy; pickleweed allergy; Sarcocornia perennis allergy; Sarcocornia swampfire allergy

Google: pickleweed allergy; pickleweed allergy adverse; pickleweed allergen; pickleweed allergen adverse; same search results performed for Salicornia ambigua

Nomenclature

According to ITIS, the current scientific name of Salicornia ambigua is Sarcocornia perennis (TSN 505012). The common is chickenclaws. The scientific and common names need to be updated. Synonyms of S. perennis are Arthrocnemum perenne, Salicornia ambigua, and Salicornia perennis. The Sarcocornia genus is found in the Chenopodiaceae family.

Parent Product

1159 - Pollens - Weeds and Garden Plants, Pickleweed Salicornia ambigua

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: 1160 - Pollens - Weeds and Garden Plants, Pickleweed Salicornia virginica

Recommended Common Name Virginia glasswort

Manufacturers of this Product

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

Search Strategy

PubMed: Salicornia virginica; Pickleweed; Salicornia depressa; Virginia glasswort

Google: pickleweed allergy; pickleweed allergy adverse; pickleweed allergen; pickleweed allergen adverse; same search results performed for Salicornia virginica

Nomenclature

According to ITIS, the scientific name is Salicornia virginica (TSN 20648). The common name is Virginia glasswort. The scientific name is correct and current. The common name needs to be updated. Synonyms of S. virginica are Salicornia depressa, S. europaea, S. europaea var. pachystachya, and S. europaea var. simplex. The Scarcocornia genus is found in the Chenopodiaceae family.

Parent Product

1160 - Pollens - Weeds and Garden Plants, Pickleweed Salicornia virginica

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: 1161 - Pollens - Weeds and Garden Plants, Pigweed Amaranthus spp.

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: Amaranthus hybridus; Amaranthus hybridus and skin test, allergy, IgE; pigweed slim amaranth and skin test, allergy, IgE; amaranthaceae slim and skin test, allergy, IgE; pigweed slim skin test; Green Amaranthus allergy; Green Amaranthus hybridus; Pigweed Green Amaranthus allergy; Allergy and green pigweed, smooth amaranth, smooth pigweed

Google: pigweed allergy; pigweed allergy adverse; pigweed allergen; pigweed allergen adverse; same search results performed for Amaranthus hybridus

Nomenclature

According to ITIS, there are 42 subspecies in genus Amaranthus. The scientific and common names need to be updated. The Amaranthus genus is found in the Amaranthaceae family.

Parent Product

1161 - Pollens - Weeds and Garden Plants, Pigweed Amaranthus spp.

Published Data

Panel 1 cited several references (Refs 43, 44, 122, 142, 149 and 151 - pg 3136) that reported high cross-reactivity among genus (pigweed). Sellers and Adams (Ref 122) and Wodehouse (Ref 142), using gel diffusion technique, showed that Amaranthus spinosus, A. palmeri, A. retroflexus, and Acnida tamariscina (from genus Acnida) contain identical antigens and in nearly the same proportions. Furthermore, they showed that the same four Amaranthaceae pollens have the antigenic similarity with Chenopodaceae including Salsola pestifer, Kohia scopario, Chenopodium album, Atriplex canescens, and Atriplex Wrightii. (Botanically both families Amaranthaceae and Chenopodaceae are closely related). Lindenbaum (Ref.110) reported 9 patients with hay fever or asthma during the amaranth pollen season and had positive skin reactions to amaranth pollen.

A review of Amaranthaceae in PMID: 12897724 showed there is strong cross-allergenicity between amaranths and between Atriplex species.

PMID: 15479271 reported that overall aeroallergen skin test reactivity increased throughout childhood. The prevalence of positive skin tests for A. palmeri pollen extract (1:20 w/v, Hollister-Stier) increased from 12% (at age 6) to 24.6% (the same patients at age 11).

PMID: 1704024 showed low cross-reactivity of Rough red root pigweed with short ragweed.

In PMID: 2581481 in vitro studies showed that A. retroflexus was cross reactive with Chenopodium album.

PMID: 12498581 concluded that pollen samples of A. spinosus did not show any appreciable variation in their antigenic and allergenic properties.

PMID: 9681122 reported skin prick testing in 200 adult asthmatics. 21.5% (43 of 200) were positive to grass pollen (Bermuda grass 20.5%, rough pigweed (Amaranthus genus) 8%, Bahia grass 6.5%). Only 7% were positive to a mixed-extract of leaves of 7 grasses (Bermuda, Johnson, Kentucky Blue, Timothy, Redtop, Orchard and Sweet Vernal).

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
783_ JACI 112-229.pdf	12897724	Weber, R.W.	2003
1156_ Clin Exp Allergy 2004 Oct 34 10 1563-669.pdf	15479271	Stern, DA	2004
1161_ J Allergy Clin Immunol 1991 Jan 1part1 98-103.pdf	1704024	Perrick, D	1991
1161_ Ann Allergy 1985 May 54 5 4306.pdf	2581481	Lombardero, M	1985
1161_ Ann Agric Environ Med 2002 9 2 147-51.pdf	12498581	Sigh, AB	2002
1161_ Asian pac J Allergy Immunol 1998 mar 16 1 1-4.pdf	9681122	Sam, C.K.	1998

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

Product: 1162 - Pollens - Weeds and Garden Plants, Pigweed, Green Amaranthus hybridus

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: Amaranthus hybridus; Amaranthus hybridus and skin test, allergy, IgE; pigweed slim amaranth and skin test, allergy, IgE; amaranthaceae slim and skin test, allergy, IgE; pigweed slim skin test; Green Amaranthus allergy; Green Amaranthus hybridus; Pigweed Green Amaranthus allergy; Allergy and green pigweed, smooth amaranth, smooth pigweed
Google: pigweed allergy; pigweed allergy adverse; pigweed allergen; pigweed allergen adverse; same search results performed for Amaranthus hybridus

Nomenclature

According to ITIS, the scientific name is Amaranthus hybridus (TSN 20735). Common names are green pigweed, slim amaranth, smooth amaranth, and smooth pigweed. The scientific and common names are correct and current. Synonyms are Amaranthus chlorostachys, A. incurvatus, and A. patulus. The Amaranthus genus is found in the Amaranthaceae family.

Parent Product

1162 - Pollens - Weeds and Garden Plants, Pigweed, Green Amaranthus hybridus

Published Data

Panel 1 cited several references (Refs 43, 44, 122, 142, 149 and 151 - pg 3136) that reported high cross-reactivity among genus (pigweed). Sellers and Adams (Ref 122) and Wodehouse (Ref 142), using gel diffusion technique, showed that Amaranthus spinosus, A. palmeri, A. retroflexus, and Acnida tamariscina (from genus Acnida) contain identical antigens and in nearly the same proportions. Furthermore, they showed that the same four Amaranthaceae pollens have the antigenic similarity with Chenopodaceae including Salsola pestifer, Kohia scopario, Chenopodium album, Atriplex canescens, and Atriplex Wrightii. (Botanically both families Amaranthaceae and Chenopodaceae are closely related). Lindenbaum (Ref.110) reported 9 patients with hay fever or asthma during the amaranth pollen season and had positive skin reactions to amaranth pollen.

A review of Amaranthaceae in PMID: 12897724 showed there is strong cross-allergenicity between amaranths and between Atriplex species.

<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: 1163 - Pollens - Weeds and Garden Plants, Pigweed, Rough Redroot Amaranthus retroflexus

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: amaranthus retroflexus; amaranthus retroflexus allergy
Google: pigweed allergy; pigweed allergy adverse; pigweed allergen; pigweed allergen adverse; same search results performed for Amaranthus retroflexus

Nomenclature

According to ITIS, the scientific name is Amaranthus retroflexus (TSN 20745). Common names are careless weed, pigweed, red-root amaranth, redroot amaranth, rough pigweed, and redroot amaranth. The scientific and common names are correct and current. Synonym is Amaranthus retroflexus var. salicifolius. The Amaranthus genus is found in the Amaranthaceae family.

Parent Product

1163 - Pollens - Weeds and Garden Plants, Pigweed, Rough Redroot Amaranthus retroflexus

Published Data

Panel 1 cited several references (Refs 43, 44, 122, 142, 149 and 151 - pg 3136) that reported high cross-reactivity among genus (pigweed). Sellers and Adams (Ref 122) and Wodehouse (Ref 142), using gel diffusion technique, showed that Amaranthus spinosus, A. palmeri, A. retroflexus, and Acnida tamariscina (from genus Acnida) contain identical antigens and in nearly the same proportions. Furthermore, they showed that the same four Amaranthaceae pollens have the antigenic similarity with Chenopodaceae including Salsola pestifer, Kohia scopario, Chenopodium album, Atriplex canescens, and Atriplex Wrightii. (Botanically both families Amaranthaceae and Chenopodaceae are closely related). Lindenbaum (Ref.110) reported 9 patients with hay fever or asthma during the amaranth pollen season and had positive skin reactions to amaranth pollen.

PMID 12897724: Weber RW review indicated a strong cross-allergenicity among Amaranthus species; and cross-inhibition between some chenopods and amaranths.

PMID 2581481: Reports that rough redroot A. retroflexus demonstrates low levels of cross-reactivity with short ragweed using FAST inhibition assay.

PMIDs 2481481 and 11725603 papers report on the cross-reactivity among genus Chenopodiaceae and Amaranthaceae.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1161_ J Allergy Clin Immunol 1991 Jan 1part1 98-103.pdf	1704024	Perrick, D	1991
1163_ Ann Allergy 1985 May 54 5 4306.pdf	2581481	Lombardero, M	1985
1163_ Clin Rev Allergy 21-153.pdf	11725603	Weber, R.W.	2001
783_ JACI 112-229.pdf	12897724	Weber, R.W.	2003
1161_ Asian pac J Allergy Immunol 1998 mar 16 1 1-4.pdf	9681122	Sam, C.K.	1998

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: 1164 - Pollens - Weeds and Garden Plants, Pigweed, Spiny Amaranthus spinosus

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: Amaranthus spinosus and allergy skin test, IgE
Google: pigweed allergy; pigweed allergy adverse; pigweed allergen; pigweed allergen adverse; same search results performed for Amaranthus spinosus

Nomenclature

According to ITIS, the scientific name is Amaranthus spinosus (TSN 20748). Common names are pigweed species, spiny amaranthus, and spiny amaranth. The scientific and common names are correct and current. The Amaranthus genus is found in the Amaranthaceae family.

Parent Product

1164 - Pollens - Weeds and Garden Plants, Pigweed, Spiny Amaranthus spinosus

Published Data

Panel 1 cited several references (Refs 43, 44, 122, 142, 149 and 151 - pg 3136) that reported high cross-reactivity among genus (pigweed). Sellers and Adams (Ref 122) and Wodehouse (Ref 142), using gel diffusion technique, showed that Amaranthus spinosus, A. palmeri, A. retroflexus, and Acnida tamariscina (from genus Acnida) contain identical antigens and in nearly the same proportions. Furthermore, they showed that the same four Amaranthaceae pollens have the antigenic similarity with Chenopodaceae including Salsola pestifer, Kohia scopario, Chenopodium album, Atriplex canescens, and Atriplex Wrightii. (Botanically both families Amaranthaceae and Chenopodaceae are closely related). Lindenbaum (Ref.110) reported 9 patients with hay fever or asthma during the amaranth pollen season and had positive skin reactions to amaranth pollen.

A review of Amaranthaceae in PMID: 12897724 indicated a strong cross-allergenicity among Amaranthus species; and cross-inhibition between some chenopods and amaranths.

PMID: 1704024 reports that rough red root A. retroflexus demonstrates low levels of cross-reactivity with short ragweed using FAST inhibition assay.

Other papers (PMID: 2581481 and 11725603) report on the cross-reactivity among genus Chenopodiaceae and Amaranthaceae.

PMID: 12498581 concluded that pollen samples of A. spinosus did not show any appreciable variation in their antigenic and allergenic properties.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1161_ Ann Agric Environ Med 2002 9 2 147-51.pdf	12498581	Sigh, AB	2002
1163_ Clin Rev Allergy 21-153.pdf	11725603	Weber, R.W.	2001
783_ JACI 112-229.pdf	12897724	Weber, R.W.	2003
1161_ J Allergy Clin Immunol 1991 Jan 1part1 98-103.pdf	1704024	Perrick, D	1991
1161_ Ann Allergy 1985 May 54 5 4306.pdf	2581481	Lombardero, M	1985

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: 1165 - Pollens - Weeds and Garden Plants, Pigweed, Spreading Amaranthus blitoides

Recommended Common Name Pigweed, prostrate

Manufacturers of this Product

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

Search Strategy

PubMed: mat amaranth and skin test, allergy, pollen allergy; Amaranthus blitoides

Google: pigweed allergy; pigweed allergy adverse; pigweed allergen; pigweed allergen adverse; same search results performed for Amaranthus blitoides

Nomenclature

According to ITIS, the scientific name is Amaranthus blitoides (TSN 20723). Common names are mat amaranth, prostrate amaranth, and prostrate pigweed. The scientific name is correct and current. The common name needs to be updated. Amaranthus graecizans is listed as a synonym. Amaranthus genus is found in the Amaranthaceae family.

Parent Product

1165 - Pollens - Weeds and Garden Plants, Pigweed, Spreading Amaranthus blitoides

Published Data

Panel 1 cited several references (Refs 43, 44, 122, 142, 149 and 151 - pg 3136) that reported high cross-reactivity among genus (pigweed). Sellers and Adams (Ref 122) and Wodehouse (Ref 142), using gel diffusion technique, showed that Amaranthus spinosus, A. palmeri, A. retroflexus, and Acnida tamariscina (from genus Acnida) contain identical antigens and in nearly the same proportions. Furthermore, they showed that the same four Amaranthaceae pollens have the antigenic similarity with Chenopodaceae including Salsola pestifer, Kohia scopario, Chenopodium album, Atriplex canescens, and Atriplex Wrightii. (Botanically both families Amaranthaceae and Chenopodaceae are closely related).

Lindenbaum (Ref.110) reported 9 patients with hay fever or asthma during the amaranth pollen season and had positive skin reactions to amaranth pollen.

A review of Amaranthaceae in PMID: 12897724 indicated a strong cross-allergenicity among Amaranthus species; and cross-inhibition between some chenopods and amaranths.

PMID: 15759830, states that the presence of thiaminase in A. blitoides was suspected of contributing to the development of polioencephalomalacia in sheep grazing on natural pastures. Amaranthus spp. intoxication is rare in the animals; however, a report stated that polioencephalomalacia was diagnosed in two animals from different farms. In apparently healthy animals from the same farms, fecal thiaminase and a significant reduction in erythrocyte transketolase activity were observed. The presence of thiaminase in Amaranthus blitoides could have contributed to the development of polioencephalomalacia in sheep grazing on natural pastures. This safety report is not relevant to this product.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1165_ Can Vet J 2005 46 1 59-61.pdf	15759830	Ramos, JJ	2005
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: 1166 - Pollens - Weeds and Garden Plants, Pigweed, Tumbling Amaranthus graecizans

Recommended Scientific Name Amaranthus albus

Manufacturers of this Product

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

Search Strategy

PubMed: Amaranthus graecizans; Mediterranean amaranth; white pigweed

Google: pigweed allergy; pigweed allergy adverse; pigweed allergen; pigweed allergen adverse; same search results performed for Amaranthus graecizans

Nomenclature

According to ITIS, the correct name for A. graecizans is either Amaranthus albus (TSN 20719) or Amaranthus blitoides (TSN 20723). The common name of tumbleweed is associated with Amaranthus albus. Additional common names of Amaranthus albus are pigweed, pigweed amaranth, prostrate pigweed, and white pigweed. The common name is correct and current. The scientific name needs to be updated. Synonyms are A. albus var. pubescens, A. graecizans var. pubescens, and A. pubescens. The Amaranthus genus is found in the Amaranthaceae family.

Parent Product

1166 - Pollens - Weeds and Garden Plants, Pigweed, Tumbling Amaranthus graecizans

Published Data

Panel 1 cited several references (Refs 43, 44, 122, 142, 149 and 151 - pg 3136) that reported high cross-reactivity among genus (pigweed). Sellers and Adams (Ref 122) and Wodehouse (Ref 142), using gel diffusion technique, showed that Amaranthus spinosus, A. palmeri, A. retroflexus, and Acnida tamariscina (from genus Acnida) contain identical antigens and in nearly the same proportions. Furthermore, they showed that the same four Amaranthaceae pollens have the antigenic similarity with Chenopodaceae including Salsola pestifer, Kohia scopario, Chenopodium album, Atriplex canescens, and Atriplex Wrightii. (Botanically both families Amaranthaceae and Chenopodaceae are closely related). Lindenbaum (Ref.110) reported 9 patients with hay fever or asthma during the amaranth pollen season and had positive skin reactions to amaranth pollen.

A review of Amaranthaceae in PMID: 12897724 indicated a strong cross-allergenicity among Amaranthus species; and cross-inhibition between some chenopods and amaranths.

<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: 1167 - Pollens - Weeds and Garden Plants, Plantain, Common (Broadleaf) Plantago major

Manufacturers of this Product

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

Search Strategy

PubMed: Plantain and allergen and immunotherapy; Plantain and allergy and immunotherapy; Plantain and Broadleaf and Plantago major and immunotherapy; Plantago major and allergen/allergy immunotherapy; Plantago major, Plantago major and broadleaf; Plantago major and common; Plantago major and immunotherapy; Plantago and skin prick test

Google: plantain allergy; plantain allergy adverse; plantain allergen; plantain allergen adverse; same search results performed for Plantago major

Nomenclature

According to ITIS, the scientific name is *Plantago major* (TSN 32887). Common names are broadleaf plantain, buckhorn plantain, common plantain, great plantain, and rippleseed plantain. The scientific and common names are correct and current. Synonyms are *Plantago asiatica*, *P. halophila*, *P. major* var. *asiatica*, *P. major* ssp. *intermedia*, *P. major* var. *intermedia*, *P. major* var. *pachyphylla*, *P. major* var. *pilgeri*, and *P. major* var. *scopulorum*. The *Plantago* genus is found in the Plantaginaceae family.

Parent Product

1168 - Pollens - Weeds and Garden Plants, Plantain, Common Plantago major

Related Products

1167 - Pollens - Weeds and Garden Plants, Plantain, Common (Broadleaf) Plantago major

Published Data

Panel 1 (pg 3141) reported on three studies that used *Plantago* pollen extracts (Ref. 104, 105, and 97) for diagnosis. In addition, Ref. 105 included eye and/or nose dry pollen challenge, and passive transfer tests. Ref. 97 included positive bronchial challenge test and radioallergosorbent test results for diagnosis of asthma during plantains pollen season.

PMID: 14763931, 9532972, and 3337397 noted that patients could be diagnosed using plantain or plantago extracts.

PMID: 3337397 compared skin verses nasal provocation tests results for diagnosis of allergic rhinitis

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1167_ Allergy 59 (174) .pdf	14763931	Gioulekas, D.	2004
1167_ Ann Allergy Asthma Immunol 80 (237).pdf	9532972	García-González, J.J.	1998
1167_ Ann Allergy 60-57.pdf	3337397	Clarke, PS	1988

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: 1168 - Pollens - Weeds and Garden Plants, Plantain, Common Plantago major

Manufacturers of this Product

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

Search Strategy

PubMed: Common Plantago major; allergies diagnosis and immunotherapy; common plantago major and skin tests; common plantago and allergy

Google: plantain allergy; plantain allergy adverse; plantain allergen; plantain allergen adverse; same search results performed for Plantago major

Nomenclature

According to ITIS, the scientific name is Plantago major. Common names are broadleaf plantain, buckhorn plantain, common plantain, great plantain, and rippleseed plantain. The scientific and common names are correct and current. Plantago asiatica, P. halophila, P. major var. asiatica, P. major ssp. intermedia, P. major var. intermedia, P. major var. pachyphylla, P. major var. pilgeri, and P. major var. scopulorum are listed as synonyms. The Plantago genus is found in the Plantaginaceae family.

Parent Product

1168 - Pollens - Weeds and Garden Plants, Plantain, Common Plantago major

Related Products

1167 - Pollens - Weeds and Garden Plants, Plantain, Common (Broadleaf) Plantago major

Published Data

Panel 1 (pg 3141) reported on three studies that used Plantago pollen extracts (Ref. 104, 105, and 97) for diagnosis. In addition, Ref. 105 included eye and/or nose dry pollen challenge, and passive transfer tests. Ref. 97 included positive bronchial challenge test and radioallergosorbent test results for diagnosis of asthma during plantains pollen season.

PMID: 14763931, 9532972, and 3337397 noted that patients could be diagnosed using plantain or plantago extracts.

PMID: 3337397 compared skin verses nasal provocation tests results for diagnosis of allergic rhinitis.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1168_ Allergy 59 (174) .pdf	14763931	Gioulekas, D.	2004
1168_ Ann Allergy Asthma Immunol 80 (237).pdf	9532972	García-González, J.J.	1998
1168_ Ann Allergy 60-57.pdf	3337397	Clarke, PS	1988

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

Product: 1169 - Pollens - Weeds and Garden Plants, Plantain, English Plantago lanceolata

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: English Plantago lanceolata and allergen and allergy and immunotherapy; rib grass and rib wort plantain and allergen and allergy and immunotherapy; Plantago and skin prick test

Google: plantain allergy; plantain allergy adverse; plantain allergen; plantain allergen adverse; same search results performed for Plantago lanceolata

Nomenclature

According to ITIS, the scientific name is Plantago lanceolata (TSN 32874). Common names are buckhorn plantain, English plantain, lanceleaf inadian wheat, lanceleaf plantain, narrowleaf plantain, ribgrass, and ribwort. The scientific and common names are correct and current. Synonyms are Plantago altissima and P. lanceolata var. sphaerostachya. The Plantago genus is found in the Plantaginaceae family.

Parent Product

1169 - Pollens - Weeds and Garden Plants, Plantain, English Plantago lanceolata

Published Data

Panel I (pg 3141) stated that only English plantain (Plantago lanceolata) shed enough pollen to cause hay fever. Also, panel 1 reported on three studies that used Plantago pollen extracts (Ref. 104, 105, and 97) for diagnosis. In addition, Ref. 105 included eye and/or nose dry pollen challenge, and passive transfer tests. Ref. 97 included positive bronchial challenge test and radioallergosorbent test results for diagnosis of asthma during plantains pollen season.

PMID: 14763931, 9532972, and 3337397 noted that patients could be diagnosed using plantain or plantago extracts.

PMID: 3337397 compared skin verses nasal tests to diagnose allergen.

In PMID: 9532972 Plantago lanceolata was also used for skin prick tests in a population of 222 people in Spain. Of these people, 71% were positive to Plantago lanceolata.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1169_ Allergy 59 (174) .pdf	14763931	Gioulekas, D.	2004
1169_ Ann Allergy Asthma Immunol 80 (237).pdf	9532972	García-González, J.J.	1998
1169_ Ann Allergy 60-57.pdf	3337397	Clarke, PS	1988

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: 1170 - Pollens - Weeds and Garden Plants, Povertyweed, Iva axillaris

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: Povertyweed and allergen and allergy and immunotherapy; Marsh elder and Iva axillaris and allergen and allergy and immunotherapy; Iva axillaris pursh and allergen and allergy and immunotherapy; Iva axillaris robustior and allergen and allergy and immunotherapy. Death weed and allergy and immunotherapy; ragweed and poverty weed ragweed and Iva axillaris, Iva axillaris and crossreactivity, Iva axillaris and skin prick tests

Google: poverty weed and allergen and allergy and immunotherapy; Iva axillaris and allergy and allergen and immunotherapy; Iva axillaris pursh and allergy and allergen and immunotherapy; Iva axillaris robustior and allergen and allergy and immunotherapy; povertyweed and ragweed

Nomenclature

According to ITIS, the scientific name is Iva axillaris (TSN 36033). Common names are deer-root, Iva poverty weed, lesser marshelder, mouseear povertyweed, poverty sumpweed, poverty weed, povertyweed, and smallflowered marshelder. The scientific and common names are correct and current. Synonyms are Iva axillaris ssp, robustior and I. axillaris var. robustior. I. axillaris axillaris is listed as a variety. Iva genus is found in the Asteraceae family.

Parent Product

1170 - Pollens - Weeds and Garden Plants, Povertyweed, Iva axillaris

Related Products

1139 - Pollens - Weeds and Garden Plants, Marshelder, Sm. Poverty

1171 - Pollens - Weeds and Garden Plants, Povertyweed, Small Iva axillaris

Published Data

Rough Marshelder was used for skin prick testing in two publications (PMID: 15054371 and 16890074). Rough marshelder is not a synonym for povertyweed, Iva axillaris. Hence there are no data to support the use of this product for the diagnosis or treatment of allergy.

Another published abstract (PMID: 1704024) used fluorescent allergosorbent testing as an inhibition assay to determine cross reactivity between aeroallergens.

PMID: 12897724 indicates minor to little cross-allergenicity between ragweeds and mugwort, marshelder, or cocklebur.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1170_ OTO Head and Neck Surg 130-306.pdf	15054371	Calhoun, K.H.	2004
1170_ OTO Head and Neck Surg 135-232.pdf	16890074	McKay, S.P.	2006
1140_ J Allergy Clin Immunol 87-98.pdf	1704024	Perrick, D.	1991
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	none
<u>Therapy:</u>	Category IIIA	none

Product: 1171 - Pollens - Weeds and Garden Plants, Povertyweed, Small Iva axillaris

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

Search Strategy

PubMed: Povertyweed and allergen and allergy and immunotherapy; Marsh elder and Iva axillaris and allergen and allergy and immunotherapy; Iva axillaris pursh and allergen and allergy and immunotherapy; Iva axillaris robustior and allergen and allergy and immunotherapy. Death weed and allergy and immunotherapy; ragweed and poverty weed ragweed and Iva axillaris, Iva axillaris and crossreactivity, Iva axillaris and skin prick tests
Google: poverty weed and allergen and allergy and immunotherapy; Iva axillaris and allergy and allergen and immunotherapy; Iva axillaris pursh and allergy and allergen and immunotherapy; Iva axillaris robustior and allergen and allergy and immunotherapy; povertyweed and ragweed

Nomenclature

According to ITIS, the scientific name is Iva axillaris (TSN 36033). Common names are deer-root, Iva poverty weed, lesser marshelder, mouseear povertyweed, poverty sumpweed, poverty weed, povertyweed, and smallflowered marshelder. The scientific and common names are correct and current. Synonyms are Iva axillaris ssp, robustior and I. axillaris var. robustior. I. axillaris axillaris is listed as a variety. Iva genus is found in the Asteraceae family.

Parent Product

1170 - Pollens - Weeds and Garden Plants, Povertyweed, Iva axillaris

Related Products

1139 - Pollens - Weeds and Garden Plants, Marshelder, Sm. Poverty
1171 - Pollens - Weeds and Garden Plants, Povertyweed, Small Iva axillaris

Published Data

Rough Marshelder was used for skin prick testing in two publications (PMID: 15054371 and 16890074). Rough marshelder is not a synonym for povertyweed, Iva axillaris. Hence there are no data to support the use of this product for the diagnosis or treatment of allergy.

Another published abstract (PMID: 1704024) used fluorescent allergosorbent testing as an inhibition assay to determine cross reactivity between aeroallergens.

PMID: 12897724 indicates minor to little cross-allergenicity between ragweeds and mugwort, marshelder, or cocklebur.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
783_JACI 112-229.pdf	12897724	Weber, R.W.	2003
1170_OTO Head and Neck Surg 130-306.pdf	15054371	Calhoun, K.H.	2004
1170_OTO Head and Neck Surg 135-232.pdf	16890074	McKay, S.P.	2006
1140_J Allergy Clin Immunol 87-98.pdf	1704024	Perrick, D.	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: 1172 - Pollens - Weeds and Garden Plants, Prionopsis (Goldenweed) Prionopsis ciliata

Recommended Common Name Goldenweed

Recommended Scientific Name Grindelia papposa

Manufacturers of this Product

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

Search Strategy

PubMed: Prionopsis, Prionopsis ciliata, goldenweed, goldenweed and allergy and allergen and immunotherapy; Grindelia and allergy and allergen and immunotherapy; Grindelia papposa; Grindelia papposa neosum; Grindelia papposa suh.

Google: Goldenweed and allergen and safety and side effects, Prionopsis, Prionopsis ciliata, Grindelia and allergy and allergen and immunotherapy, Grindelia papposa neosum, Grindelia papposa suh

Nomenclature

According to ITIS, the current name of Prionopsis ciliate is Grindelia papposa (TSN 507609). Common names are listed as Spanish gold and wax goldenweed. The scientific and common names need to be updated. Synonyms are Prionopsis ciliate and Haplopappus ciliatus. The Grindelia genus is found in the Asteraceae Family.

Parent Product

1172 - Pollens - Weeds and Garden Plants, Prionopsis (Goldenweed) Prionopsis ciliata

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: 1173 - Pollens - Weeds and Garden Plants, Rabbit Bush Ambrosia deltoidea

Recommended Common Name Ragweed, Triangle Burr

Manufacturers of this Product

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

Search Strategy

PubMed: Rabbit Bush and allergy and allergen and immunotherapy; Rabbit Bush Ambrosia deltoidea; Ericameria bloomeri Gray and allergy and allergen and immunotherapy; Rabbit Bush Ambrosia (Torr) Payne and allergy and allergen; rabbit bush and skin prick tests. No literature cited.

Google: Rabbit Bush and human safety and human side effects; Rabbit Bush Ambrosia deltoidea and human safety and human side effects; Rabbit Bush; Rabbit Bush and allergy and allergen and immunotherapy, Ericmeria bloomeri Gray and allergy and allergen and immunotherapy; Rabbit Bush Ambrosia (Torr) Payne and allergy and allergen and immunotherapy.

Nomenclature

According to ITIS, the scientific name is Ambrosia deltoidea (TSN 36505). Common names are triangle burr ragweed or triangle bursage. Rabbit bush is not listed as a common name. The scientific name is correct and current. The common name needs to be updated. Franseria deltoidea is listed as a synonym. The Ambrosia genus is found in the Asteraceae family.

Parent Product

1173 - Pollens - Weeds and Garden Plants, Rabbit Bush Ambrosia deltoidea

Related Products

1175 - Pollens - Weeds and Garden Plants, Rabbit Bush Franseria deltoidea

Published Data

PMID: 12786727 reports three cases of A. deltoidea contact dermatitis. The paper theorized that sesquiterpene lactones found in A. deltoidea are nearly identical to ragweed.

PMID 11725603: Weber reported that there is cross-reactivity among short, giant, western, false ragweeds, and other ragweeds that are wind pollinated.

PMID: 16650052 evaluated the cross-reactivity between ragweed and mugwort pollen extracts. The evaluation was performed by RAST. IgE immunoblot and immunoblot inhibition studies were also performed.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1173_Clin Exp Allergy 36 (658) .pdf	16650052	Asero, R.	2006
1173_Contact Dermatitis 48-212.pdf	12786727	Schumacher, MJ	2003
1163_Clin Rev Allergy 21-153.pdf	11725603	Weber, R.W.	2001

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: 1174 - Pollens - Weeds and Garden Plants, Rabbit Bush Chryothamnus nauseosus

Recommended Common Name Rabbitbrush, Rubber

Recommended Scientific Name Ericameria nauseosa var. nauseosa

Manufacturers of this Product

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

Search Strategy

PubMed: Rabbit Bush and allergy and allergen and immunotherapy; Rabbit Bush Chryothamnus and allergen and allergy and immunotherapy; Rabbit Bush Chrysothamnus nauseosus; chrysothamnus nauseosus; chrysothamnus nauseosus and allergy or allergen

Google: Rabbit Bush allergy; Rabbit Bush allergy adverse; Rabbit Bush allergen; Rabbit Bush allergen adverse; same search results performed for Crysothamnus nauseosus and Chrysothamnus nauseosus

Nomenclature

According to ITIS, the correct spelling of Chryothamnus nauseosus is Chrysothamnus nauseosus and the current name is Ericameria nauseosa var. nauseosa (TSN 566645). Common name is rubber rabbitbrush. The scientific and common names need to be updated. Synonyms are Chrysothamnus frigidus, Chrysothamnus nauseosus, Chrysothamnus nauseosus var. typicus, and Ericameria nauseosa var. nauseosa. The Ericameria genus is found in the Asteraceae family.

Parent Product

1174 - Pollens - Weeds and Garden Plants, Rabbit Bush Chryothamnus nauseosus

Published Data

A quote from the cover article of PMID: 17941274 states that “cross-reactivity data with rabbitbrush is lacking, but lack of significant cross-reactivity between ragweed and another tribe member, goldenrod, suggests similar non-reactivity for rabbitbrush.”

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1174_ Ann Allergy Asthma Immunol 99-A4.pdf	17941274	Weber, RW	2007

Panels:

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

Product: 1175 - Pollens - Weeds and Garden Plants, Rabbit Bush Franseria deltoidea

Recommended Common Name Ragweed, Triangle Burr

Recommended Scientific Name Ambrosia deltoidea

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: Rabbit Bush Franseria and allergy and allergen and immunotherapy; Rabbit Bush Franseria deltoidea and allergy and allergen and immunotherapy.

Google: Rabbit Bush Franseria and allergy and allergen and immunotherapy and safety and side effects. Rabbit Bush Franseria deltoidea and allergy and allergen and immunotherapy.

Nomenclature

According to ITIS, the current scientific name of Franseria deltoidea is Ambrosia deltoidea (TSN 36505). Common names are listed as triangle burr ragweed or tiangle bursage. The scientific and common names need to be updated. Synonym is Franseria deltoidea. The Ambrosia genus is found in the Asteraceae family.

Parent Product

1173 - Pollens - Weeds and Garden Plants, Rabbit Bush Ambrosia deltoidea

Related Products

1175 - Pollens - Weeds and Garden Plants, Rabbit Bush Franseria deltoidea

Published Data

PMID: 12786727 reports three cases of A. deltoidea contact dermatitis. The paper theorized that sesquiterpene lactones found in A. deltoidea are nearly identical to ragweed.

PMID 11725603: Weber reported that there is cross-reactivity among short, giant, western, false ragweeds, and other ragweeds that are wind pollinated.

Short ragweed, a standardized extract, is in the Asteraceae family.

PMID: 16650052 evaluated the cross-reactivity between ragweed and mugwort pollen extracts. The evaluation was performed by RAST. IgE immunoblot and immunoblot inhibition studies were also performed. Futher data is being collected to determine whether ragweed and mugwort co-sensitized patients exhibit clinical symptoms.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1173_Clin Exp Allergy 36 (658) .pdf	16650052	Asero, R.	2006
1173_Contact Dermatitis 48-212.pdf	12786727	Schumacher, MJ	2003
1163_Clin Rev Allergy 21-153.pdf	11725603	Weber, R.W.	2001

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: 1176 - Pollens - Weeds and Garden Plants, Ragweed

Recommended Scientific Name Ambrosia, (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: Ragweed; ragweed and allergy; ragweed and diagnosis; ragweed and skin prick test; ragweed and immunotherapy.

Google: Ragweed allergy; Ragweed allergy adverse; Ragweed allergen; Ragweed allergen adverse

Nomenclature

According to ITIS, ragweeds are found in the Ambrosia genus. The scientific and common names need to be updated.

Parent Product

1176 - Pollens - Weeds and Garden Plants, Ragweed

Published Data

There are ample literature citations to support "ragweed" diagnosis and therapy. Short ragweed pollen is a well characterized allergen.

Panels:

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

Product: 1177 - Pollens - Weeds and Garden Plants, Ragweed, Canyon Franseria ambrosiodes

Recommended Scientific Name Ambrosia ambrosioides

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: Canyon ragweed; Franseria ambrosioides; A. ambrosioides; ambrosia leaf burr ragweed; silver burr ragweed; burweed and diagnosis; burweed and skin prick tests; burweed and immunotherapy

Google: Ragweed allergy; Ragweed allergy adverse; Ragweed allergen; Ragweed allergen adverse; same search results performed for Franseria ambrosioides and Ambrosia ambrosioides

Nomenclature

According to ITIS, the correct spelling of Franseria ambrosioides is Franseria ambrosioides. The current name is Ambrosia ambrosioides (TSN 36498). Common names are ambrosia bursage, ambrosia leaf burr ragweed, and big bursage. Several websites (Wikipedia, www.azarboretum.org) indicate that the common name of Ambrosia ambrosioides is Canyon Ragweed. The common name is correct and current. The scientific name needs to be updated. Synonym is Franseria ambrosioides. The Ambrosia genus is found in the Asteraceae family.

Parent Product

1177 - Pollens - Weeds and Garden Plants, Ragweed, Canyon Franseria ambrosioides

Related Products

1180 - Pollens - Weeds and Garden Plants, Ragweed, False Franseria ambrosioides

Published Data

Several articles (PMID: 17298348, 16650052, and 17021320) use ragweed extracts for skin prick testing for diagnosis.

PMID 12897724: Weber reported that there is cross-reactivity among short, giant, western, false ragweeds, and other ragweeds that are wind pollinated.

PMID: 16650052 evaluated the cross-reactivity between ragweed and mugwort pollen extracts. The evaluation was performed by RAST. IgE immunoblot and immunoblot inhibition studies were also performed.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1177_ Allergy 62 (3) 301.pdf	17298348	Bousquet, P.J.	2007
1173_ Clin Exp Allergy 36 (658) .pdf	16650052	Asero, R.	2006
1177_ New Eng J Med .pdf	17021320	Creticos, PS	2006
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: 1178 - Pollens - Weeds and Garden Plants, Ragweed, Desert Ambrosia dumosa

Recommended Common Name Burrobush

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

Search Strategy

PubMed: Desert ambrosia dumosa and ragweed; burrobush; burroweed and allergen and immunotherapy and diagnosis and skin prick test; ambrosia dumosa; ragweed and cross reactivity ambrosia and burroweed; desert ragweed and franseria dumosa and allergen and skin prick tests

Google: Desert ragweed and Franseria dumosa and skin prick test and diagnosis and allergen

Nomenclature

According to ITIS, the scientific name is Ambrosia dumosa. Common names are burrobush and white bursage. The scientific name is correct and current. The common name needs to be updated. Franseria dumosa is listed as a synonym. The Ambrosia genus is found in the Asteraceae family.

Parent Product

1178 - Pollens - Weeds and Garden Plants, Ragweed, Desert Ambrosia dumosa

Published Data

Several articles (PMID: 17298348 and 16650052) use ragweed extracts for skin prick testing for diagnosis.

PMID: 16650052 evaluated the cross-reactivity between ragweed and mugwort pollen extracts. The evaluation was performed by RAST. IgE immunoblot and immunoblot inhibition studies were also performed.

PMID 12897724: Weber reported that there is cross-reactivity among short, giant, western, false ragweeds, and other ragweeds that are wind pollinated.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1178_ Allergy 62 (3) 301.pdf	17298348	Bousquet, P.J.	2007
1173_ Clin Exp Allergy 36 (658) .pdf	16650052	Asero, R.	2006
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: 1179 - Pollens - Weeds and Garden Plants, Ragweed, False Franseria acanthicarpa

Recommended Common Name Bursage

Recommended Scientific Name Ambrosia acanthicarpa

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: False ragweed; Franseria ragweed Franseria and allergen and allergy and skin prick test and immunotherapy; Franseria acanthicarpa

Google: False ragweed; Flatspine burr ragweed; Burr ragweed; Ambrosia acanthicarpa, Slender ragweed, slender ragweed and false ragweed

Nomenclature

According to ITIS, the current name of Franseria acanthicarpa is Ambrosia acanthicarpa (TSN 36497). Common names are annual bursage, bursage, bursage ragweed, flat-spine burr-ragweed, flatspine burr ragweed, and sand bursage. The scientific and common names need to be updated. Synonyms are Franseria acanthicarpa and Gaertneria acanthicarpa. The Ambrosia genus is found in the Asteraceae family.

Parent Product

1179 - Pollens - Weeds and Garden Plants, Ragweed, False Franseria acanthicarpa

Published Data

Several articles (PMID: 17298348 and 16650052) use ragweed extracts for skin prick testing for diagnosis.

PMID 12897724: Weber reported that there is cross-reactivity among short, giant, western, false ragweeds, and other ragweeds that are wind pollinated.

PMID: 16650052 evaluated the cross-reactivity between ragweed and mugwort pollen extracts. The evaluation was performed by RAST. IgE immunoblot and immunoblot inhibition studies were also performed.

PMID: 6338088 standardized antigen E from ragweed pollen extracts using monoclonal antibodies that distinguished between true ragweed (Ambrosia elatior) from false ragweed (Franseria acanthicarpa).

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1179_ Allergy 62 (3) 301.pdf	17298348	Bousquet, P.J.	2007
1173_ Clin Exp Allergy 36 (658) .pdf	16650052	Asero, R.	2006
1179_ J Allergy Clin Immunol 71-261.pdf	6338088	Krillis, S	1983
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: 1180 - Pollens - Weeds and Garden Plants, Ragweed, False Franseria ambrosiodes

Recommended Common Name Ragweed, Canyon

Recommended Scientific Name Ambrosia ambrosioides

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: Franseria ambrosiodes, Franseria ambrosioides, false ragweed Ambrosia ambrosioides

Google: Franseria ambrosiodes, Franseria ambrosioides, Ambrosia ambrosioides, Ambrosia ambrosioides AND adverse

Nomenclature

According to ITIS, the correct spelling of Franseria ambrosiodes is Franseria ambrosioides and the current name is Ambrosia ambrosioides (TSN 36498). Common names are ambrosia bursage, ambrosia leaf burr ragweed, and big bursage. The scientific and common names need to be updated. Synonym is Franseria ambrosioides. The Ambrosia genus is found in the Asteraceae family.

Parent Product

1177 - Pollens - Weeds and Garden Plants, Ragweed, Canyon Franseria ambrosiodes

Related Products

1180 - Pollens - Weeds and Garden Plants, Ragweed, False Franseria ambrosiodes

Published Data

Several articles (PMID: 17298348, 16650052, and 17021320) use ragweed extracts for skin prick testing for diagnosis.

PMID 12897724: Weber reported that there is cross-reactivity among short, giant, western, false ragweeds, and other ragweeds that are wind pollinated.

PMID: 16650052 evaluated the cross-reactivity between ragweed and mugwort pollen extracts. The evaluation was performed by RAST. IgE immunoblot and immunoblot inhibition studies were also performed.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
783_JACI 112-229.pdf	12897724	Weber, R.W.	2003
1177_Allergy 62 (3) 301.pdf	17298348	Bousquet, P.J.	2007
1173_Clin Exp Allergy 36 (658) .pdf	16650052	Asero, R.	2006
1177_New Eng J Med .pdf	17021320	Creticos, PS	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 I

Product: 1181 - Pollens - Weeds and Garden Plants, Ragweed, False Mixed Franseria spp.

Recommended Scientific Name Ambrosia, (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)

Search Strategy

PubMed: Ragweed; ragweed and allergy; ragweed and diagnosis; ragweed and skin prick test; ragweed and immunotherapy.

Google: Ragweed allergy; Ragweed allergy adverse; Ragweed allergen; Ragweed allergen adverse

Nomenclature

According to ITIS, all species within the genus of Franseria are now in the genus of Ambrosia. The scientific and common names need to be updated.

Parent Product

1181 - Pollens - Weeds and Garden Plants, Ragweed, False Mixed Franseria spp.

Published Data

There are ample literature citations to support "ragweed" diagnosis and therapy. Short ragweed pollen is a well characterized allergen.

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: 1182 - Pollens - Weeds and Garden Plants, Ragweed, Giant (Tall) Ambrosia trifida

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: Giant Ragweed (Ambrosia trifida)
Google: Giant ragweed and skin prick test-several hits Ambrosia trifida allergy; Ambrosia trifida allergy adverse; Ambrosia trifida allergen; Ambrosia trifida allergen adverse

Nomenclature

According to ITIS, the scientific name is Ambrosia trifida (TSN 36521). Common names are blood ragweed, giant ragweed, great ragweed, horseweed, tall ragweed, and perennial ragweed (great). The scientific and common names are correct and current. There are two varieties of A. trifida listed: texana and trifida. The Ambrosia genus is found in the Asteraceae family.

Parent Product

1182 - Pollens - Weeds and Garden Plants, Ragweed, Giant (Tall) Ambrosia trifida

Published Data

PMID: 16275372 reported that short and giant ragweed is not always allergenically equivalent in areas where one species is prevalent. The prevalent species should be used for diagnosis.

PMID 12897724 and 11725603: Weber reported that there is cross-reactivity among short, giant, western, false ragweeds, and other ragweeds that are wind pollinated.

Two articles (PMID: 11122209 and 3680811) were found where mixed short and giant ragweed extracts were used for diagnosis and immunotherapy.

PMID: 16650052 evaluated the cross-reactivity between ragweed and mugwort pollen extracts. The evaluation was performed by RAST. IgE immunoblot and immunoblot inhibition studies were also performed. Further data is being collected to determine whether ragweed and mugwort co-sensitized patients exhibit clinical symptoms.

Short ragweed, a standardized extract, is in the Asteraceae family.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1182_J All Clin Immunol 116 1036.pdf	16275372	Asero, R	2005
1173_Clin Exp Allergy 36 (658) .pdf	16650052	Asero, R.	2006
1163_Clin Rev Allergy 21-153.pdf	11725603	Weber, R.W.	2001
1182_Clin Exp Allergy 30 1717 .pdf	11122209	Gergen, PJ	2000
1182_J Allergy Clin Immunol 80 669.pdf	3680811	Gergen, PJ	1987
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: 1183 - Pollens - Weeds and Garden Plants, Ragweed, Mixed Ambrosia spp.

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

Search Strategy

PubMed: Ragweed; ragweed and allergy; ragweed and diagnosis; ragweed and skin prick test; ragweed and immunotherapy.
Google: Ragweed allergy; Ragweed allergy adverse; Ragweed allergen; Ragweed allergen adverse

Nomenclature

According to ITIS, ragweed species are found in the genus of Ambrosia. The scientific and common names need to be updated. The Ambrosia genus is found in the Asteraceae family.

Parent Product

1183 - Pollens - Weeds and Garden Plants, Ragweed, Mixed Ambrosia spp.

Published Data

A review of Amaranthaceae in PMID: 12897724 indicated a strong cross-allergenicity among Amaranthus species; and cross-inhibition between some chenopods and amaranths.

There are ample literature citations to support "ragweed" diagnosis and therapy. Short ragweed pollen is a well characterized allergen.

<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: 1184 - Pollens - Weeds and Garden Plants, Ragweed, Sandbur Ambrosia bipinnatifida

Recommended Common Name Bursage, Sand

Recommended Scientific Name Ambrosia acanthicarpa

Manufacturers of this Product

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

Search Strategy

PubMed: Sandbur Ambrosia bipinnatifida; Ambrosia bipinnatifida and skin prick test

Google: Sandbur Ambrosia bipinnatifida and allergy and immunotherapy and skin prick test

Nomenclature

Neither Ambrosia bipinnatifida nor sandbur ragweed were found in ITIS. The common name of sand bursage is Ambrosia acanthicarpa. Common names are annual bursage, bursage, bursage ragweed, flat-spine burr-ragweed, flatspine bur ragweed, flatspine bur ragweed, and sand bursage. The scientific and common names need to be updated. The Ambrosia genus is found in the Asteraceae family.

Parent Product

1184 - Pollens - Weeds and Garden Plants, Ragweed, Sandbur Ambrosia bipinnatifida

Published Data

PMID 16650052 evaluated the cross-reactivity between ragweed and mugwort pollen extracts. The evaluation was performed by RAST. IgE immunoblot and immunoblot inhibition studies were also performed.

PMID 12897724: Weber reported that there is cross-reactivity among short, giant, western, false ragweeds, and other ragweeds that are wind pollinated.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1173_Clin Exp Allergy 36 (658) .pdf	16650052	Asero, R.	2006
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: 1185 - Pollens - Weeds and Garden Plants, Ragweed, Silver Dicoria canescens

Recommended Common Name Twinbugs, Desert

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: Silver dicoria canescens and allergen and skin prick test and immunotherapy; Silver burr ragweed; Ambrosia chamissonis

Google: Silver burr ragweed (Ambrosia chamissonis)

Nomenclature

According to ITIS, the scientific name is Dicoria canescens (TSN 37234). The common name is desert twinbugs. The scientific name is correct and current. The common name needs to be updated. There are five subspecies listed: brandegeei, canescens, clarkiae, hispidula, and wetherillii. The Dicoria genus is found in the Asteraceae family.

Parent Product

1185 - Pollens - Weeds and Garden Plants, Ragweed, Silver Dicoria canescens

Published Data

In Am J Bot Vol. 66 Page 245, Lee noted that Dicoria canescens was not cross-reactive with A. artemissifolia. Short ragweed, a standardized extract, is in the Asteraceae family.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1185_ Am J Bot 66 245.pdf	--	Lee YS	1979

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: 1186 - Pollens - Weeds and Garden Plants, Ragweed, Slender Ambrosia confertiflora

Recommended Common Name Ragweed, Weakleaf Burr

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: Slender ambrosia confertiflora; Slender Ambrosia confertiflora ragweed; ambrosia confertiflora

Google: ambrosia confertiflora, ambrosia confertiflora and adverse

Nomenclature

According to ITIS, the scientific name is Ambrosia confertiflora (TSN 36522). The common names are ragweed and weakleaf burr ragweed. Slender ragweed is not listed as a common name. The scientific name is correct and current. The common name needs to be updated. Synonyms are Franseria confertiflora, F. strigulosa, and Gaetneria tenuifolia. The Ambrosia genus is found in the Asteraceae family.

Parent Product

1186 - Pollens - Weeds and Garden Plants, Ragweed, Slender Ambrosia confertiflora

Published Data

PMID 12897724: Weber reported that there is cross-reactivity among short, giant, western, false ragweeds, and other ragweeds that are wind pollinated.

<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: 1187 - Pollens - Weeds and Garden Plants, Ragweed, Slender Franseria tenuifolia

Recommended Common Name Ragweed, slimleaf burr

Recommended Scientific Name Ambrosia tenuifolia

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)

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

Search Strategy

PubMed: Slender "Franseria" tenuifolia Ragweed.

Google: Slender Franseria tenuifolia and allergen and skin prick test and immunotherapy.

Nomenclature

According to ITIS, the current name of Franseria tenuifolia is Ambrosia tenuifolia (TSN 36519). Common names are field ragweed and slimleaf burr ragweed. Common name of slender ragweed is not listed. The scientific and common names need to be updated. The Ambrosia genus is found in the Asteraceae family.

Parent Product

1187 - Pollens - Weeds and Garden Plants, Ragweed, Slender Franseria tenuifolia

Published Data

PMID 12897724: Weber reported that there is cross-reactivity among short, giant, western, false ragweeds, and other ragweeds that are wind pollinated.

PMID: 956554 provides in vitro data to support cross-reactivity of Franseria tenuifolia with various ragweed species. Short ragweed, a standardized extract, is in the Asteraceae family.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1187_J Allergy Clin Imm 58-140.pdf	956554	Leiferman, KM	1976
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: 1188 - Pollens - Weeds and Garden Plants, Ragweed, Southern Ambrosia bidentata

Recommended Common Name Ragweed, lanceleaf

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)
- 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: Southern Ambrosia bidentata; lanceleaf ragweed
Google: southern ragweed and allergy and allergen and skin prick test; Ambrosia bidentata allergy; Ambrosia bidentata allergy adverse; Ambrosia bidentata allergen; Ambrosia bidentata allergen adverse

Nomenclature

According to ITIS, the scientific name is Ambrosia bidentata (TSN 36500). The common name is listed as lanceleaf ragweed. The scientific name is correct and current. The common name needs to be updated. The Ambrosia genus is found in the Asteraceae family.

Parent Product

1188 - Pollens - Weeds and Garden Plants, Ragweed, Southern Ambrosia bidentata

Published Data

PMID 12897724: Weber reported that there is cross-reactivity among short, giant, western, false ragweeds, and other ragweeds that are wind pollinated.

<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: 1189 - Pollens - Weeds and Garden Plants, Ragweed, Western Ambrosia coronopifolia

Recommended Scientific Name Ambrosia psilostachya

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:Western Ambrosia coronopifolia

Google: Western Ambrosia coronopifolia ragweed and allery and allergen and skin prick test

Nomenclature

According to ITIS, the current name of Ambrosia coronopifolia is Ambrosia psilostachya (TSN 36516). Common names are listed as Cuman ragweed, perennial ragweed, and western ragweed. The common name is correct and current. The scientific name needs to be updated. Synonyms are: A. californica, A. cumanensis, A. cumanensis, A. psilostachya var. californica, A. psilostachya var. coronopifolia, A. psilostachy var. lindheimeriana, and A. rugelii. The Ambrosia genus is found in the Asteraceae family.

Parent Product

1191 - Pollens - Weeds and Garden Plants, Ragweed, Western, Ambrosia psilostachya

Related Products

1189 - Pollens - Weeds and Garden Plants, Ragweed, Western Ambrosia coronopifolia

1193 - Pollens - Weeds and Garden Plants, Ragweed. Western Ambrosia psilostachya

Published Data

PMID 12897724: Weber reported that there is cross-reactivity among short, giant, western, false ragweeds, and other ragweeds that are wind pollinated.

PMID: 16650052 evaluated the cross-reactivity between ragweed and mugwort pollen extracts. The evaluation was performed by RAST. IgE immunoblot and immunoblot inhibition studies were also performed. Futher data is being collected to determine whether ragweed and mugwort co-sensitized patients exhibit clinical symptoms.

PMID: 17298348 use ragweed extracts for skin prick testing for diagnosis.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
783_ JACI 112-229.pdf	12897724	Weber, R.W.	2003
1177_ Allergy 62 (3) 301.pdf	17298348	Bousquet, P.J.	2007
1173_ Clin Exp Allergy 36 (658) .pdf	16650052	Asero, R.	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 I

Product: 1190 - Pollens - Weeds and Garden Plants, Ragweed, Western Giant Ambrosia aptera

Recommended Common Name Ragweed, Giant

Recommended Scientific Name Ambrosia trifida var. texana

Manufacturers of this Product

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

Search Strategy

PubMed: Western Giant Ambrosia aptera

Google: Ambrosia aptera allergy; Ambrosia aptera allergy adverse; Ambrosia aptera allergen; Ambrosia aptera allergen adverse

Nomenclature

According to ITIS, the current name of Ambrosia aptera is Ambrosia trifida var. texana (TSN 182423). Common names are listed as giant ragweed, great ragweed, and Texan great ragweed. The scientific and common names need to be updated. Synonyms are A. aptera and A. trifida var. aptera. The Ambrosia genus is found in the Asteraceae family.

Parent Product

1190 - Pollens - Weeds and Garden Plants, Ragweed, Western Giant Ambrosia aptera

Published Data

PMID 12897724: Weber reported that there is cross-reactivity among short, giant, western, false ragweeds, and other ragweeds that are wind pollinated.

<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: 1191 - Pollens - Weeds and Garden Plants, Ragweed, Western, Ambrosia psilostachya

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: Western Ambrosia psilostachya

Google: Western Ambrosia psilostachya

Nomenclature

According to ITIS, the scientific name is Ambrosia psilostachya (TSN 36516). Common names are Cuman ragweed, perennial ragweed, and western ragweed. The scientific and common names are correct and current. Synonyms are: Ambrosia coronopifolia A. californica, A. cumanensis, A. psilostachya var. californica, A. psilostachya var. coronopifolia, A. psilostachya var. lindheimeriana, and A. rugelii. The Ambrosia genus is found in the Asteraceae family.

Parent Product

1191 - Pollens - Weeds and Garden Plants, Ragweed, Western, Ambrosia psilostachya

Related Products

1189 - Pollens - Weeds and Garden Plants, Ragweed, Western Ambrosia coronopifolia

1193 - Pollens - Weeds and Garden Plants, Ragweed. Western Ambrosia psilostachya

Published Data

PMID 12897724: Weber reported that there is cross-reactivity among short, giant, western, false ragweeds, and other ragweeds that are wind pollinated.

PMID: 16650052 evaluated the cross-reactivity between ragweed and mugwort pollen extracts. The evaluation was performed by RAST. IgE immunoblot and immunoblot inhibition studies were also performed.

PMID: 17298348 use ragweed extracts for skin prick testing for diagnosis.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1191_ Allergy 62 (3) 301.pdf	17298348	Bousquet, P.J.	2007
1173_ Clin Exp Allergy 36 (658) .pdf	16650052	Asero, R.	2006
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: 1192 - Pollens - Weeds and Garden Plants, Ragweed, Woolly Franseria tomentosa

Recommended Common Name Ragweed, Skeleton-Leaf Burr

Recommended Scientific Name Ambrosia tomentosa

Manufacturers of this Product

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

Search Strategy

PubMed: Woolly Franseria tomentosa

Google: Woolly Franseria tomentosa

Nomenclature

According to ITIS, Franseria tomentosa is either Ambrosia tomentosa (common name of skeleton-leaf burr ragweed) or Ambrosia grayi (common name of woollyleaf burr ragweed). The scientific and common names need to be updated. The Ambrosia genus is found in the Asteraceae family.

Parent Product

1192 - Pollens - Weeds and Garden Plants, Ragweed, Woolly Franseria tomentosa

Published Data

PMID 12897724: Weber reported that there is cross-reactivity among short, giant, western, false ragweeds, and other ragweeds that are wind pollinated.

PMID: 16650052 evaluated the cross-reactivity between ragweed and mugwort pollen extracts. The evaluation was performed by RAST. IgE immunoblot and immunoblot inhibition studies were also performed.

PMID: 17298348 use ragweed extracts for skin prick testing for diagnosis.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1192_ Allergy 62 (3) 301.pdf	17298348	Bousquet, P.J.	2007
1173_ Clin Exp Allergy 36 (658) .pdf	16650052	Asero, R.	2006
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: 1193 - Pollens - Weeds and Garden Plants, Ragweed. Western Ambrosia psilostachya

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: Western Ambrosia psilostachya

Google: Western Ambrosia psilostachya

Nomenclature

According to ITIS, the scientific name is *Ambrosia psilostachya*. Common names are listed as Cuman ragweed, perennial ragweed, and western ragweed. The scientific and common names are correct and current. Additional synonyms are: *Ambrosia coronopifolia* A. *californica*, A. *cumanensis*, A. *psilostachya* var. *californica*, A. *psilostachya* var. *coronopifolia*, A. *psilostachya* var. *lindheimeriana*, and A. *rugelii*. The *Ambrosia* genus is found in the Asteraceae family.

Parent Product

1191 - Pollens - Weeds and Garden Plants, Ragweed, Western, *Ambrosia psilostachya*

Related Products

1189 - Pollens - Weeds and Garden Plants, Ragweed, Western *Ambrosia coronopifolia*

1193 - Pollens - Weeds and Garden Plants, Ragweed. Western *Ambrosia psilostachya*

Published Data

PMID 12897724: Weber reported that there is cross-reactivity among short, giant, western, false ragweeds, and other ragweeds that are wind pollinated.

PMID: 16650052 evaluated the cross-reactivity between ragweed and mugwort pollen extracts. The evaluation was performed by RAST. IgE immunoblot and immunoblot inhibition studies were also performed.

PMID: 17298348 use ragweed extracts for skin prick testing for diagnosis.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
783_JACI 112-229.pdf	12897724	Weber, R.W.	2003
1177_Allergy 62 (3) 301.pdf	17298348	Bousquet, P.J.	2007
1173_Clin Exp Allergy 36 (658) .pdf	16650052	Asero, R.	2006

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: 1194 - Pollens - Weeds and Garden Plants, Rape Brassica napus

Manufacturers of this Product

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

Search Strategy

PubMed: Rape Brassica and allergy and allergen and immunotherapy, Rape Brassica napus and allergy and allergen and immunotherapy. Rape copla, Rape colsa, Rape cloerape, chou oleifere. Oilseed rape (Brassica napus) and allergen and skin prick test and immunotherapy.

Google: Rape Brassica and allergy and allergen and immunotherapy, Rape Brassica napus and allergy and allergen and immunotherapy; oilseed rape brassica.

Nomenclature

According to ITIS, the scientific name is Brassica napus (TSN 23060). Common names are rape and turnip. The scientific and common names are correct and current. Synonyms are listed as Brassica napobrassica and B. napus var. napobrassica. Two varieties of B. napus are listed: napus and pabularia. The Brassica genus is found in the family Brassicaceae.

Parent Product

1194 - Pollens - Weeds and Garden Plants, Rape Brassica napus

Published Data

One paper (PMID: 9061214) found routine skin prick testing to oilseed rape (Brassica napus) sensitivity in 7.1% of pollen allergic patients.

Another paper (PMID: 7537171) discusses the in vitro cross-reactivity between pollen extracts.

In PMID: 14600423 fifteen patients with positive skin prick tests to oilseed rape pollen and reactivity to a 14-kD band in crude oilseed rape pollen extract were studied.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1194_ClinExpAllergy27-156.pdf	9061214	Hemmer, W.	1997
1194_ClinExpAllergy25-66.pdf	7537171	Astwood, J.D.	1995
1194_Int Arch Allergy Immunol 132-116.pdf	14600423	Focke, M.	2003

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

Product: 1195 - Pollens - Weeds and Garden Plants, Rhubarab, Wild Rumex conglomeratus

Recommended Common Name Dock, Clustered

Manufacturers of this Product

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

Search Strategy

PubMed: Rumex conglomeratus

Google: rhubarab pollen allergy; rhubarab pollen allergy adverse; rhubarab pollen allergen; rhubarab pollen allergen adverse; same search results performed for Rumex conglomeratus

Nomenclature

According to the ITIS, the scientific name is Rumex conglomeratus (TSN 20936). Two common names are clustered dock and sharp dock. Wild rhubarab is not listed as a common name. The scientific name is correct and current. The common name needs to be updated. The Rumex genus is found in the Polygonaceae family.

Parent Product

1105 - Pollens - Weeds and Garden Plants, Dock, Green Rumex conglomeratus

Related Products

1195 - Pollens - Weeds and Garden Plants, Rhubarab, Wild Rumex conglomeratus

Published Data

Panel I (pg 3141) only one report for diagnosis of Rumex acetosella. Solomon (Ref. 54) reported 30 patients who had strong skin test reactions to sheep sorrel pollen extract. Nineteen of these had positive reactions to nasal provocative testing with sheep sorrel extract. The passive transfer test was positive with one serum.

PMID 12897724: Weber's paper indicates that there are few cross-reactivity data available for the Polygonaceae family.

Panels:

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

Product: 1196 - Pollens - Weeds and Garden Plants, Russian Thistle Salsola kali

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: Russian Thistle, Russian thistle and allergy and allergen and immunotherapy; Russian Thistle Salsola and allergen and immunotherapy; Russian Thistle Salsola kali and allergen and allergy and immunotherapy; Tumbleweed and allergen and allergy and immunotherapy. Russian thistle and allergy and diagnosis and immunotherapy.

Google: Russian thistle and allergy and allergen and immunotherapy; Russian Thistle Salsola kali and allergy and immunotherapy.

Nomenclature

According to ITIS, the scientific name is Salsola kali (TSN 20655). Common names are listed as prickly Russian thistle, Russian thistle, and tumbleweed. The scientific and common names are correct and current. Two subspecies of S. kali are listed: kali and pontica. The Salsola genus is found in the Chenopodiaceae family.

Parent Product

1196 - Pollens - Weeds and Garden Plants, Russian Thistle Salsola kali

Published Data

In PMID: 14616126 thirty-nine out of 66 individuals had specific IgE-mediated allergic symptoms to S. kali pollen extracts. Twenty of the 39 individuals were skin prick test positive to purified allergen (0.5 mg/mL) S. kali extract.

In PMID: 16630938 a randomized, double-blind, and placebo controlled RUSH protocol with extract vaccine of Salsola kali pollen was used in 60 patients with rhinoconjunctivities. Symptoms and medications scores, skin test reactivity, quality of life questionnaire, and visual scale analysis were used to compare treatment verses placebo groups. Supporting data appeared to be efficacious.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1198_ Allergy (58) 1152 .pdf	14616126	Carnés, J.	2003
1198_ Am Acad All, Asthma and Imm 117(4)810.pdf	16630938	Colás, C.	2003

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

Product: 1197 - Pollens - Weeds and Garden Plants, Russian Thistle Salsola kali tenuifolia

Recommended Scientific Name Salsola tragus

Manufacturers of this Product

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

Search Strategy

Pubmed: Russian Thistle salsola kali tenui folia and allergen and allergy and immunotherapy; Tumbleweed salsola tenuifolia and allergen and allergy and immunotherapy. Russian thistle salsola tragus and allergen. Prickly russian thistle.

Google: Russian thistle salsola tenuifolia and allergen and allergy and immunotherapy, Russian Thistle kali tenui folia and allergy and allergen and immunotherapy; Tumbleweed and Russian Thistle kali tenui folia. Prickly Russian thistle-saltwort prickly Russian Thistle.

Nomenclature

According to ITIS, the current scientific name of Salsola kali ssp tenuifolia is Salsola tragus (TSN 520950). Common name is prickly Russian thistle. The common name is correct and current. The scientific name needs to be updated. Synonyms are Salsola australis, S. iberica, S. kali ssp. ruthenica, S. kali ssp. tenuifolia, S. kali ssp. tragus, S. pestifer, and S. ruthenica. The Salsola genus is found in the Chenopodiaceae family.

Parent Product

1197 - Pollens - Weeds and Garden Plants, Russian Thistle Salsola kali tenuifolia

Related Products

1198 - Pollens - Weeds and Garden Plants, Russian Thistle Salsola pestifer

Published Data

In PMID: 14616126 thirty-nine out of 66 individuals had specific IgE-mediated allergic symptoms to S. kali pollen extracts. Twenty of the 39 individuals were skin prick test positive to purified allergen (0.5 mg/mL) S. kali extract.

In PMID: 16630938 a randomized, double-blind, and placebo controlled RUSH protocol with extract vaccine of Salsola kali pollen was used in 60 patients with rhinoconjunctivities. Symtoms and medications scores, skin test reactivity, quality of life questionnaire, and visual scale analysis were used to compare treatment verses placebo groups. Supporting data appeared to be efficacious.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1198_ Allergy (58) 1152 .pdf	14616126	Carnés, J.	2003
1198_ Am Acad All, Asthma and Imm 117(4)810.pdf	16630938	Colás, C.	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: 1198 - Pollens - Weeds and Garden Plants, Russian Thistle Salsola pestifer

Recommended Scientific Name Salsola tragus

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: Russian Thistle salsola pestifer and allergy and allergen and immunotherapy; salsola kali ruthenica; Tumbleweed and Russian Thistle salsola pestifer and allergy and allergen and immunotherapy.

Google: Tumbleweed and Russian Thistle salsola pestifer and allergy and allergen and immunotherapy.

Nomenclature

According to ITIS, the current scientific name of Salsola pestifer is Salsola tragus (TSN 520950). Common name is prickly Russian thistle. The common name is correct and current. The scientific name needs to be updated. Synonyms are Salsola australis, S. iberica, S. kali ssp. ruthenica, S. kali ssp. tenuifolia, S. kali ssp. tragus, S. pestifer, and S. ruthenica. The Salsola genus is found in the Chenopodiaceae family.

Parent Product

1197 - Pollens - Weeds and Garden Plants, Russian Thistle Salsola kali tenuifolia

Related Products

1198 - Pollens - Weeds and Garden Plants, Russian Thistle Salsola pestifer

Published Data

In PMID: 14616126 thirty-nine out of 66 individuals had specific IgE-mediated allergic symptoms to S. kali pollen extracts. Twenty of the 39 individuals were skin prick test positive to purified allergen (0.5 mg/mL) S. kali extract.

In PMID: 16630938 a randomized, double-blind, and placebo controlled RUSH protocol with extract vaccine of Salsola kali pollen was used in 60 patients with rhinoconjunctivities. Symptoms and medications scores, skin test reactivity, quality of life questionnaire, and visual scale analysis were used to compare treatment versus placebo groups. Supporting data appeared to be efficacious

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1198_ Allergy (58) 1152 .pdf	14616126	Carnés, J.	2003
1198_ Am Acad All, Asthma and Imm 117(4)810.pdf	16630938	Colás, C.	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: 1199 - Pollens - Weeds and Garden Plants, Sage, Coastal Artemisia californica

Recommended Common Name Sagebrush, Coastal

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: Sage and sagebrush and sagewort and allergen and allergy and immunotherapy; Sage, Artemisia and allergen and diagnosis. Coastal sage and allergen; Artemisia californica; Artemisia and allergen and diagnosis and skin prick test; california sagebrush and allergen

Google: Sage and allergen and allergy and immunotherapy; Sage Coastal Artemisis

Nomenclature

According to ITIS, the scientific name of Artemisia californica (TSN 35453). The common name is coastal sagebrush. ITIS does not list Coastal sage. The scientific name is correct and current. The common name needs to be updated. The Artemisia genus is found in the Asteraceae family.

Parent Product

1199 - Pollens - Weeds and Garden Plants, Sage, Coastal Artemisia californica

Related Products

1200 - Pollens - Weeds and Garden Plants, Sage, Desert Artemesia californica

1217 - Pollens - Weeds and Garden Plants, Sagebrush, Coast Artemisia californica

Published Data

PMID: 9532972 investigated the prevalence of atopic disease, skin test reactivity, total and specific IgE to common allergens. A. vulgaris was one of the common allergens assessed.

Another paper (PMID: 15285462) reported an increased incidence of positive skin prick test (SPT) results to common pollen allergens (including A. vulgaris) when the air pollen concentrations were high.

PMID: 9357380 investigated the in-vitro cross-reactivity among nine Artemisia species: A. frigida, A. annua, A. biennis, A. filifolia, A. tridentata, A. californica, A. gnaphalodes, A. ludoviciana, and A. vulgaris. Their data demonstrated very strong in-vitro cross-reactivity among the nine Artemisia species studied.

PMID 12897724 states that "Strong cross-allergenicity between Artemisisa species."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1161_ JACI 112-229.pdf	12897724	Weber, R.W.	2003
1199_ Ann Allergy Asthma Immunol 80 (237).pdf	9532972	García-González, J.J.	1998
1199_ Arh Hig Rada Toksikol (55) 147.pdf	15285462	Cvitanović, S.	2004
1199_ AnnAllergyAsthmaImmunol.79(4).340.pdf	9357380	Katial, R.K.	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: 1200 - Pollens - Weeds and Garden Plants, Sage, Desert Artemesia californica

Recommended Common Name Sagebrush, Coastal

Recommended Scientific Name Artemisia californica

Manufacturers of this Product

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

Search Strategy

PubMed: Sage and allergen and allergy and immunotherapy; Desert Artemesia californica; Sage and allergy and allergen and diagnosis

Google: sage pollen allergy; sage pollen allergy adverse; sage pollen allergen; sage pollen allergen adverse; same search results performed for Artemesia californica and Artemisia californica

Nomenclature

According to ITIS, the correct spelling of Artemesia californica is Artemisia californica (TSN 35453). The common name is coastal sagebrush. ITIS does not list Desert sage. The scientific and common names need to be updated. The Artemisia genus is found in the Asteraceae family.

Parent Product

1199 - Pollens - Weeds and Garden Plants, Sage, Coastal Artemisia californica

Related Products

1200 - Pollens - Weeds and Garden Plants, Sage, Desert Artemesia californica

1217 - Pollens - Weeds and Garden Plants, Sagebrush, Coast Artemisia californica

Published Data

PMID: 9532972 investigated the prevalence of atopic disease, skin test reactivity, total and specific IgE to common allergens. A. vulgaris was one of the common allergens assessed.

Another paper (PMID: 15285462) reported an increased incidence of positive skin prick test (SPT) results to common pollen allergens (including A. vulgaris) when the air pollen concentrations were high.

PMID: 9357380 investigated the in-vitro cross-reactivity among nine Artemisia species: A. frigida, A. annua, A. biennis, A. filifolia, A. tridentata, A. californica, A. gnaphalodes, A. ludoviciana, and A. vulgaris. Their data demonstrated very strong in-vitro cross-reactivity among the nine Artemisia species studied.

PMID 12897724 states that "Strong cross-allergenicity between Artemisisa species."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1161_JACI 112-229.pdf	12897724	Weber, R.W.	2003
1200_AnnAllergyAsthmaImmunol.79(4).340.pdf	9357380	Katial, R.K.	1997
1200_Ann Allergy Asthma Immunol 80 (237).pdf	9532972	García-González, J.J.	1998
1203_Arh Hig Rada Toksikol (55) 147.pdf	15285462	Cvitanović, S.	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: 1201 - Pollens - Weeds and Garden Plants, Sage, Desert Artemisia tridentata

Recommended Common Name Sagebrush, Big

Manufacturers of this Product

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

Search Strategy

PubMed: Sage, Desert Artemisia tridentata and allergy and allergen and immunotherapy; Sagebrush, Common and allergy and allergen and immunotherapy, Common sage brush , Anthemideae and allergen, Artemisia and immunotherapy and challenge studies.

Google: Sage, Desert Artemisia tridentata and allergy and allergen and immunotherapy; sagebrush and common and allergy and allergen and immunotherapy and Artemisia and tridentata.

Nomenclature

According to ITIS, the scientific name is Artemisia tridentata (TSN 35498). ITIS does not list desert sage. The commons are big sagebrush and big sage bush. The scientific name is correct and current. The common name needs to be updated. There are six subspecies of A. tridentata: parishii, spiciformis, tridentata, vaseyana, wyomingensis, and xericensis. The Artemisia genus is found in the Asteraceae family.

Parent Product

1218 - Pollens - Weeds and Garden Plants, Sagebrush, Common Artemisia tridentata

Related Products

1201 - Pollens - Weeds and Garden Plants, Sage, Desert Artemisia tridentata

1206 - Pollens - Weeds and Garden Plants, Sage, Mixed Artemisia tridentata

Published Data

PMID: 9532972 investigated the prevalence of atopic disease, skin test reactivity, total and specific IgE to common allergens. A. vulgaris was one of the common allergens assessed.

PMID: 9357380 investigated the in-vitro cross-reactivity among nine Artemisia species: A. frigida, A. annua, A. biennis, A. filifolia, A. tridentata, A. californica, A. gnaphalodes, A. ludoviciana, and A. vulgaris. Their data demonstrated very strong in-vitro cross-reactivity among the nine Artemisia species studied.

PMID: 15285462 reported an increased incidence of positive skin prick test (SPT) results to common pollen allergens (including A. vulgaris) when the air pollen concentrations were high.

In PMID: 17235963 pollen extracts of Artemisia vulgaris, A. scoparia, A. princeps, A. tridentata, A. annua, and A. campestris were compared using SDS-PAGE, IEF, immunoblotting, and immunoelectrophoretic methods. These studies showed an extensive degree of similarity and cross-reactivity between the different species.

PMID 12897724 states that "Strong cross-allergenicity between Artemisisa species."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1161_JACI 112-229.pdf	12897724	Weber, R.W.	2003
1201_ Ann Allergy Asthma Immunol 80 (237).pdf	9532972	García-González, J.J.	1998
1201_ AnnAllergyAsthmaImmunol.79(4).340.pdf	9357380	Katial, R.K.	1997
1201_ Planta Med. 59 (3) 221.pdf	17235963	Brandys, J.	1993
1203_ Arh Hig Rada Toksikol (55) 147.pdf	15285462	Cvitanović, S.	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: 1202 - Pollens - Weeds and Garden Plants, Sage, Green Artemisia dracunculoides

Recommended Common Name Sagewort, Green

Recommended Scientific Name Artemisia dracunculus

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: Sage, Green Artemisia and allergy and allergen and immunotherapy; Sage Green Artemisisa dracunculoides and allergy and allergen and immunotherapy.

Google: Sage, Green Artemisia dracunculoides and allergy and allergen and immunotherapy.

Nomenclature

According to ITIS, the scientific name of Artemisia dracunculoides is Artemisia dracunculus (TSN 35462). Common names are false tarragon, green sagewort, silky wormwood, tarragon, and wormwood. The scientific and common names need to be updated. Synonyms are Artemisia dracunculoides, A. dracunculoides var. dracunculina, A. dracunculus var. gauca, A. dracunculus ssp. glauca, A. glauca, A. glauca var. dracunculina, Oligosporus dracunculus, O. dracunculus ssp. dracunculinus, O. dracunculus ssp. glaucus. The Artemisia genus is found in the Asteraceae family.

Parent Product

1202 - Pollens - Weeds and Garden Plants, Sage, Green Artemisia dracunculoides

Related Products

1211 - Pollens - Weeds and Garden Plants, Sage, Prarie, Artemisia dracunculoides

1215 - Pollens - Weeds and Garden Plants, Sage, Wormwood, Indian Artemisia dracunculus

1219 - Pollens - Weeds and Garden Plants, Sagebrush, Green (Tarragon) Artemisia dracunculus

Published Data

PMID: 9532972 investigated the prevalence of atopic disease, skin test reactivity, total and specific IgE to common allergens. A. vulgaris was one of the common allergens assessed.

Another paper (PMID: 15285462) reported an increased incidence of positive skin prick test (SPT) results to common pollen allergens (including A. vulgaris) when the air pollen concentrations were high.

PMID: 9357380 investigated the in-vitro cross-reactivity among nine Artemisia species: A. frigida, A. annua, A. biennis, A. filifolia, A. tridentata, A. californica, A. gnaphalodes, A. ludoviciana, and A. vulgaris. Their data demonstrated very strong in-vitro cross-reactivity among the nine Artemisia species studied. Because Artemisia dracunculus is wind pollinated, it is considered strongly cross-reactive with other Artemisia species.

PMID 12897724 states that "Strong cross-allergenicity between Artemisisa species."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1202_ Ann Allergy Asthma Immunol 80 (237).pdf	9532972	García-González, J.J.	1998
1203_ Arh Hig Rada Toksikol (55) 147.pdf	15285462	Cvitanović, S.	2004
1200_ AnnAllergyAsthmaImmunol.79(4).340.pdf	9357380	Katial, R.K.	1997
1161_ 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>	none	none
<u>Therapy:</u>	none	none

Product: 1203 - Pollens - Weeds and Garden Plants, Sage, Hog Artemisia vulgaris

Recommended Common Name Woodworm, Common

Manufacturers of this Product

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

Search Strategy

PubMed: Sage Hog and allergy; Sage Hog Artemisia and allergy, Sage Hog Artemisia vulgaris and allergy and allergen and immunotherapy; Mugwort and allergy and allergen and immunotherapy; common wormwood and allergen and immunotherapy.
Google: Sage and Hog and Artemisia and vulgaris and allergy and allergen and immunotherapy.

Nomenclature

According to ITIS, the scientific name is Artemisia vulgaris (TSN 35505). The common names are common wormwood and mugwort. Hog sage is not listed as a common name. The scientific name is correct and current. The common name needs to be updated. Two varieties of A. vulgaris are listed: kamtschatica and vulgaris. The Artemisia genus is found in the Asteraceae family.

Parent Product

1221 - Pollens - Weeds and Garden Plants, Sagebrush, Mugwort Artemisia vulgaris

Related Products

1203 - Pollens - Weeds and Garden Plants, Sage, Hog Artemisia vulgaris

1207 - Pollens - Weeds and Garden Plants, Sage, Mugwort, Common Artemisia vulgaris

Published Data

PMID: 9532972 investigated the prevalence of atopic disease, skin test reactivity, total and specific IgE to common allergens. A. vulgaris was one of the common allergens assessed.

PMID: 9357380 investigated the in-vitro cross-reactivity among nine Artemisia species: A. frigida, A. annua, A. biennis, A. filifolia, A. tridentata, A. californica, A. gnaphalodes, A. ludoviciana, and A. vulgaris. Their data demonstrated very strong in-vitro cross-reactivity among the nine Artemisia species studied.

PMID: 15285462 reported an increased incidence of positive skin prick test (SPT) results to common pollen allergens (including A. vulgaris) when the air pollen concentrations were high.

In PMID: 17235963 pollen extracts of Artemisia vulgaris, A. scoparia, A. princeps, A. tridentate, A. annua, and A. campestris were compared using SDS-PAGE, IEF, immunoblotting, and immunoelectrophoretic methods. These studies showed an extensive degree of similarity and cross-reactivity between the different species.

PMID 12897724 states that "Strong cross-allergenicity between Artemisisa species."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1203_ Ann Allergy Asthma Immunol 80 (237).pdf	9532972	García-González, J.J.	1998
1203_ AnnAllergyAsthmaImmunol. 79(4).340.pdf	9357380	Katial, R.K.	1997
1203_ Arh Hig Rada Toksikol (55) 147.pdf	15285462	Cvitanović, S.	2004
1203_ Planta Med. 59 (3) 221.pdf	17235963	Brandys, J.	1993
1161_ 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: 1204 - Pollens - Weeds and Garden Plants, Sage, Mixed Artemisia ludoviciana

Recommended Common Name Sagebrush, White

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: Sage, Mixed Artemisia and allergy and allergen and immunotherapy; Sage, Mixed Artemisia ludoviciana and allergy and allergen and immunotherapy; prairie sage and allergy and allergen; Western Mugwort Sage and allergy and allergen and immunotherapy.

Google: Sage and Mixed Artemisia and allergy and allergen and immunotherapy; Sage and Mixed Artemisia ludoviciana and allergy and allergen and immunotherapy.

Nomenclature

According to ITIS, there are eight subspecies of Artemisia ludoviciana (TSN 35474). Common names are cudweed sagewort, gray sagewort, Louisiana sagewort, Louisiana wormwood, mugwort wormwood, prairie sage, and white sagebrush. The scientific name is correct and current. The common name needs to be updated. Artemisia genus is found in the Asteraceae family.

Parent Product

1208 - Pollens - Weeds and Garden Plants, Sage, Mugwort, Western Artemisia ludoviciana

Related Products

1146 - Pollens - Weeds and Garden Plants, Mugwort, Darkleaved Artemisia ludoviciana

1147 - Pollens - Weeds and Garden Plants, Mugwort, Western Artemisia ludoviciana

1204 - Pollens - Weeds and Garden Plants, Sage, Mixed Artemisia ludoviciana

1212 - Pollens - Weeds and Garden Plants, Sage, Prairie, Artemisia gnaphaloides

1213 - Pollens - Weeds and Garden Plants, Sage, Western Artemisia gnaphalodes

1224 - Pollens - Weeds and Garden Plants, Sagebrush, Prairie Artemisia gnaphalodes

1225 - Pollens - Weeds and Garden Plants, Sagebrush, Prairie Artemisia ludoviciana

1229 - Pollens - Weeds and Garden Plants, Sagebrush, Western Artemisia gnaphaloides

1230 - Pollens - Weeds and Garden Plants, Sagebrush, White (Prairie) Artemisia ludoviciana

Published Data

PMID: 9532972 investigated the prevalence of atopic disease, skin test reactivity, total and specific IgE to common allergens. A. vulgaris was one of the common allergens assessed.

PMID: 9357380 investigated the in-vitro cross-reactivity among nine Artemisia species: A. frigida, A. annua, A. biennis, A. filifolia, A. tridentata, A. californica, A. gnaphalodes, A. ludoviciana, and A. vulgaris. Their data demonstrated very strong in-vitro cross-reactivity among the nine Artemisia species studied.

PMID 12897724 states that "Strong cross-allergenicity between Artemisisa species."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1200_ Ann Allergy Asthma Immunol 80 (237).pdf	9532972	García-González, J.J.	1998
1200_ AnnAllergyAsthmaImmunol.79(4).340.pdf	9357380	Katial, R.K.	1997
1161_ 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: 1205 - Pollens - Weeds and Garden Plants, Sage, Mixed Artemisia spp.

Recommended Common Name Sage, Prairie

Recommended Scientific Name Artemisia ludoviciana

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: Sage, Mixed Artemisia and allergy and allergen; Sage, Mixed Artemisia spp. and allergy and allergen and immunotherapy.

Google: Data regarding cross reactivity of pollen and animal allergens; No information provided regarding allergen immunotherapy.

Nomenclature

According to ITIS, the scientific name of Artemisia ludoviciana (TSN 35474). Common names are cudweed sagewort, gray sagewort, Louisiana sagewort, Louisiana wormwood, mugwort wormwood, prairie sage, and white sagebrush. The scientific and common names need to be updated. Artemisia genus is found in the Asteraceae family.

Parent Product

1204 - Pollens - Weeds and Garden Plants, Sage, Mixed Artemisia ludoviciana

Related Products

1205 - Pollens - Weeds and Garden Plants, Sage, Mixed Artemisia spp.

Published Data

PMID: 9532972 investigated the prevalence of atopic disease, skin test reactivity, total and specific IgE to common allergens. A. vulgaris was one of the common allergens assessed.

Another paper (PMID: 15285462) reported an increased incidence of positive skin prick test (SPT) results to common pollen allergens (including A. vulgaris) when the air pollen concentrations were high.

PMID: 9357380 investigated the in-vitro cross-reactivity among nine Artemisia species: A. frigida, A. annua, A. biennis, A. filifolia, A. tridentata, A. californica, A. gnaphalodes, A. ludoviciana, and A. vulgaris. Their data demonstrated very strong in-vitro cross-reactivity among the nine Artemisia species studied.

PMID 12897724 states that "Strong cross-allergenicity between Artemisisa species."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1200_ Ann Allergy Asthma Immunol 80 (237).pdf	9532972	García-González, J.J.	1998
1203_ Arh Hig Rada Toksikol (55) 147.pdf	15285462	Cvitanović, S.	2004
1200_ AnnAllergyAsthmaImmunol.79(4).340.pdf	9357380	Katial, R.K.	1997
1161_ 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>	none	none
<u>Therapy:</u>	none	none

Product: 1206 - Pollens - Weeds and Garden Plants, Sage, Mixed Artemisia tridentata

Recommended Common Name Sagebrush, Big

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: Sage, Mixed Artemisia and allergy and allergen; Sage Mixed Artemisia tridentata and allergy and allergen and immunotherapy.

Google: Sage and Mixed Artemisia and allergy and allergen and immunotherapy.

Nomenclature

According to ITIS, the scientific name is Artemisia tridentata (TSN 35498). Common names are big sagebrush and big sagebush. The scientific name is correct and current. The common name needs to be updated. Artemisia genus is found in the Asteraceae family.

Parent Product

1218 - Pollens - Weeds and Garden Plants, Sagebrush, Common Artemisia tridentata

Related Products

1201 - Pollens - Weeds and Garden Plants, Sage, Desert Artemisia tridentata

1206 - Pollens - Weeds and Garden Plants, Sage, Mixed Artemisia tridentata

Published Data

PMID: 9532972 investigated the prevalence of atopic disease, skin test reactivity, total and specific IgE to common allergens. A. vulgaris was one of the common allergens assessed.

Another paper (PMID: 15285462) reported an increased incidence of positive skin prick test (SPT) results to common pollen allergens (including A. vulgaris) when the air pollen concentrations were high.

PMID: 9357380 investigated the in-vitro cross-reactivity among nine Artemisia species: A. frigida, A. annua, A. biennis, A. filifolia, A. tridentata, A. californica, A. gnaphalodes, A. ludoviciana, and A. vulgaris. Their data demonstrated very strong in-vitro cross-reactivity among the nine Artemisia species studied.

PMID 12897724 states that "Strong cross-allergenicity between Artemisida species."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1200_ Ann Allergy Asthma Immunol 80 (237).pdf	9532972	García-González, J.J.	1998
1203_ Arh Hig Rada Toksikol (55) 147.pdf	15285462	Cvitanović, S.	2004
1200_ AnnAllergyAsthmaImmunol.79(4).340.pdf	9357380	Katial, R.K.	1997
1161_ 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: 1207 - Pollens - Weeds and Garden Plants, Sage, Mugwort, Common Artemisia vulgaris

Recommended Common Name Woodworm, Common

Manufacturers of this Product

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

Search Strategy

PubMed: Common wormwood and allergen and immunotherapy and diagnosis; Mugwort and allergen and immunotherapy; Mugwort, Common Artemisia vulgaris and allergen and immunotherapy

Google: Mugwort and Common Artemisia vulgaris and allergen and immunotherapy

Nomenclature

According to ITIS, the scientific name is Artemisia vulgaris (TSN 35505). The common names are common wormwood and mugwort. The scientific name is correct and current. The common name needs to be updated. Two varieties of A. vulgaris are listed: kamtschatica and vulgaris. The Artemisia genus is found in the Asteraceae family.

Parent Product

1221 - Pollens - Weeds and Garden Plants, Sagebrush, Mugwort Artemisia vulgaris

Related Products

1203 - Pollens - Weeds and Garden Plants, Sage, Hog Artemisia vulgaris

1207 - Pollens - Weeds and Garden Plants, Sage, Mugwort, Common Artemisia vulgaris

Published Data

PMID: 9532972 investigated the prevalence of atopic disease, skin test reactivity, total and specific IgE to common allergens. A. vulgaris was one of the common allergens assessed.

PMID: 9357380 investigated the in-vitro cross-reactivity among nine Artemisia species: A. frigida, A. annua, A. biennis, A. filifolia, A. tridentata, A. californica, A. gnaphalodes, A. ludoviciana, and A. vulgaris. Their data demonstrated very strong in-vitro cross-reactivity among the nine Artemisia species studied.

PMID: 15285462 reported an increased incidence of positive skin prick test (SPT) results to common pollen allergens (including A. vulgaris) when the air pollen concentrations were high.

In PMID: 17235963 pollen extracts of Artemisia vulgaris, A. scoparia, A. princeps, A. tridentate, A. annua, and A. campestris were compared using SDS-PAGE, IEF, immunoblotting, and immunoelectrophoretic methods. These studies showed an extensive degree of similarity and cross-reactivity between the different species.

PMID 12897724 states that "Strong cross-allergenicity between Artemisida species."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1199_ AnnAllergyAsthmaImmunol. 79(4).340.pdf	9357380	Katial, R.K.	1997
1200_ Ann Allergy Asthma Immunol 80 (237).pdf	9532972	García-González, J.J.	1998
1203_ Arh Hig Rada Toksikol (55) 147.pdf	15285462	Cvitanović, S.	2004
1201_ Planta Med. 59 (3) 221.pdf	17235963	Brandys, J.	1993
1161_ 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: 1208 - Pollens - Weeds and Garden Plants, Sage, Mugwort, Western Artemisia ludoviciana

Recommended Common Name Sagebrush, White

Manufacturers of this Product

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

Search Strategy

PubMed: Mugwort, Western Artemisia ludoviciana and allergen and allergy and immunotherapy; cudweed sagewort Artemisia ludoviciana

Google: Mugwort and Western Artemisia ludoviciana; cudweed sagewort and Artemisia ludoviciana and allergy and allergen and immunotherapy

Nomenclature

According to ITIS, the scientific name is Artemisia ludoviciana (TSN 35474). Common names are listed as cudweed sagewort, gray sagewort, Louisiana sagewort, Louisiana wormwood, mugwort wormwood, prairie sage, and white sagebrush. Western mugwort sage is not listed as a common name. The scientific name is correct and current. The common name needs to be updated. There are eight subspecies of A. ludoviciana listed: albula, candicans, estesii, incompta, ludoviciana, Mexicana, redolens, and sulcata. The Artemisia genus is found in the Asteraceae family.

Parent Product

1208 - Pollens - Weeds and Garden Plants, Sage, Mugwort, Western Artemisia ludoviciana

Related Products

1146 - Pollens - Weeds and Garden Plants, Mugwort, Darkleaved Artemisia ludoviciana

1147 - Pollens - Weeds and Garden Plants, Mugwort, Western Artemisia ludoviciana

1204 - Pollens - Weeds and Garden Plants, Sage, Mixed Artemisia ludoviciana

1212 - Pollens - Weeds and Garden Plants, Sage, Prarie, Artemisia gnaphaloides

1213 - Pollens - Weeds and Garden Plants, Sage, Western Artemisia gnapholodes

1224 - Pollens - Weeds and Garden Plants, Sagebrush, Prairie Artemisia gnaphalodes

1225 - Pollens - Weeds and Garden Plants, Sagebrush, Prairie Artemisia ludoviciana

1229 - Pollens - Weeds and Garden Plants, Sagebrush, Western Artemisia graphaloides

1230 - Pollens - Weeds and Garden Plants, Sagebrush, White (Prairie) Artemisia ludoviciana

Published Data

PMID: 9532972 investigated the prevalence of atopic disease, skin test reactivity, total and specific IgE to common allergens. A. vulgaris was one of the common allergens assessed.

PMID: 9357380 investigated the in-vitro cross-reactivity among nine Artemisia species: A. frigida, A. annua, A. biennis, A. filifolia, A. tridentata, A. californica, A. gnaphalodes, A. ludoviciana, and A. vulgaris. Their data demonstrated very strong in-vitro cross-reactivity among the nine Artemisia species studied.

PMID 12897724 states that "Strong cross-allergenicity between Artemisisa species."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1199_ AnnAllergyAsthmaImmunol.79(4).340.pdf	9357380	Katial, R.K.	1997
1200_ Ann Allergy Asthma Immunol 80 (237).pdf	9532972	García-González, J.J.	1998
1161_ 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: 1209 - Pollens - Weeds and Garden Plants, Sage, Pasture Artemisia frigida

Recommended Common Name Sagewort, Prairie

Manufacturers of this Product

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

Search Strategy

PubMed: Sage, Pasture Artemisia frigida and allergen and allergy and immunotherapy. Tansy tribe-pasture sage.

Google: sage pollen allergy; sage pollen allergy adverse; sage pollen allergen; sage pollen allergen adverse; same search results performed for Artemisia frigida

Nomenclature

According to ITIS, the scientific name is Artemisia frigida (TSN 35465). Common names are fringed sagebrush, fringed sagewort, and prairie sagewort. Pasture sage is not listed as a common name. The scientific name is correct and current. The common name needs to be updated. The Artemisia genus is found in the Asteraceae family.

Parent Product

1210 - Pollens - Weeds and Garden Plants, Sage, Prarie Artemisia frigida

Related Products

1209 - Pollens - Weeds and Garden Plants, Sage, Pasture Artemisia frigida

1222 - Pollens - Weeds and Garden Plants, Sagebrush, Pasture (Carpet) Artemisia frigida

1223 - Pollens - Weeds and Garden Plants, Sagebrush, Pasture Artemisia frigida

Published Data

PMID: 9357380 investigated the in-vitro cross-reactivity among nine Artemisia species: A. frigida, A. annua, A. biennis, A. filifolia, A. tridentata, A. californica, A. gnaphalodes, A. ludoviciana, and A. vulgaris. Their data demonstrated very strong in-vitro cross-reactivity among the nine Artemisia species studied. Because Artemisia frigida is wind pollinated, it is considered strongly cross-reactive with other Artemisia species.

PMID 12897724 states that "Strong cross-allergenicity between Artemisisa species."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1199_ AnnAllergyAsthmaImmunol. 79(4).340.pdf	9357380	Katial, R.K.	1997
1161_ 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: 1210 - Pollens - Weeds and Garden Plants, Sage, Prarie Artemisia frigida

Recommended Common Name Sagewort, Prairie

Manufacturers of this Product

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

Search Strategy

PubMed: Sage, Pasture Artemisia frigida and allergen and allergy and immunotherapy. Tansy tribe-pasture sage.

Google: sage pollen allergy; sage pollen allergy adverse; sage pollen allergen; sage pollen allergen adverse; same search results performed for Artemisia frigida

Nomenclature

According to ITIS, the scientific name is Artemisia frigida (TSN 35465). Common names are fringed sagebrush, fringed sagewort, and prairie sagewort. Prarie sage is not listed as a common name. The scientific name is correct and current. The common name needs to be updated. The Artemisia genus is found in the Asteraceae family.

Parent Product

1210 - Pollens - Weeds and Garden Plants, Sage, Prarie Artemisia frigida

Related Products

1209 - Pollens - Weeds and Garden Plants, Sage, Pasture Artemisia frigida

1222 - Pollens - Weeds and Garden Plants, Sagebrush, Pasture (Carpet) Artemisia frigida

1223 - Pollens - Weeds and Garden Plants, Sagebrush, Pasture Artemisia frigida

Published Data

PMID: 9357380 investigated the in-vitro cross-reactivity among nine Artemisia species: A. frigida, A. annua, A. biennis, A. filifolia, A. tridentata, A. californica, A. gnaphalodes, A. ludoviciana, and A. vulgaris. Their data demonstrated very strong in-vitro cross-reactivity among the nine Artemisia species studied. Because Artemisia frigida is wind pollinated, it is considered strongly cross-reactive with other Artemisia species.

PMID 12897724 states that "Strong cross-allergenicity between Artemisisa species."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1199_ AnnAllergyAsthmaImmunol. 79(4).340.pdf	9357380	Katial, R.K.	1997
1161_ 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: 1211 - Pollens - Weeds and Garden Plants, Sage, Prarie, Artemisia dracunculoides

Recommended Common Name Sagewort, Green

Recommended Scientific Name Artemisia dracunculus

Manufacturers of this Product

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

Search Strategy

PubMed: Sage and prarie sage and Artemisia dracunculoides - no articles

Google: Common names used for several species of Artemisia include wormwood, mugwort, sage brush and sagewort. A. dracunclus (Tarragon) is widely used as an herb.

Nomenclature

According to ITIS, the current name of Artemisia dracunuloides is Artemisia dracunculus (TSN 35462). Common names are false tarragon, green sagewort, silky wormwood, tarragon, and wormwood. Prarie sage is not listed as a common name. The scientific and common name need to be updated. Synonyms are Artemisisa dracunculoides, A. dracunuloides var. dracunculina, A. dracunculus var. gauca, A. dracunculus ssp. glauca, A. glauca, A. glauca var. dracunculina, Oligosporus dracunculus, O. dracunculus ssp. dracunculinus, O. dracunculus ssp. glaucus. The Artemisa genus is found in the Asteraceae family.

Parent Product

1202 - Pollens - Weeds and Garden Plants, Sage, Green Artemisia dracunculoides

Related Products

1211 - Pollens - Weeds and Garden Plants, Sage, Prarie, Artemisia dracunculoides

1215 - Pollens - Weeds and Garden Plants, Sage, Wormwood, Indian Artemisia dracunculus

1219 - Pollens - Weeds and Garden Plants, Sagebrush, Green (Tarragon) Artemisia dracunculus

Published Data

PMID: 9532972 investigated the prevalence of atopic disease, skin test reactivity, total and specific IgE to common allergens. A. vulgaris was one of the common allergens assessed.

Another paper (PMID: 15285462) reported an increased incidence of positive skin prick test (SPT) results to common pollen allergens (including A. vulgaris) when the air pollen concentrations were high.

PMID: 9357380 investigated the in-vitro cross-reactivity among nine Artemisia species: A. frigida, A. annua, A. biennis, A. filifolia, A. tridentata, A. californica, A. gnaphalodes, A. ludoviciana, and A. vulgaris. Their data demonstrated very strong in-vitro cross-reactivity among the nine Artemisia species studied. Because Artemisia dracunculus is wind pollinated, it is considered strongly cross-reactive with other Artemisia species.

PMID 12897724 states that "Strong cross-allergenicity between Artemisisa species."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1199_ AnnAllergyAsthmaImmunol.79(4).340.pdf	9357380	Katial, R.K.	1997
1200_ Ann Allergy Asthma Immunol 80 (237).pdf	9532972	García-González, J.J.	1998
1203_ Arh Hig Rada Toksikol (55) 147.pdf	15285462	Cvitanović, S.	2004
1161_ 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: 1212 - Pollens - Weeds and Garden Plants, Sage, Prarie, Artemisia gnaphaloides

Recommended Common Name Sagebrush, White

Recommended Scientific Name Artemisia ludoviciana ssp. ludoviciana

Manufacturers of this Product

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

Search Strategy

PubMed: No literature cited for the species "gnaphaloides". Incorrect spelling: gnaphalodes.

"White Sage" and "White Sagebrush" Artemisia ludoviciana gnaphalodes

Google: sage pollen allergy; sage pollen allergy adverse; sage pollen allergen; sage pollen allergen adverse; same search results performed for Artemisia gnaphaloides

Nomenclature

According to ITIS, the current name of Artemisia gnaphalodes is Artemisia ludoviciana ssp. ludoviciana (TSN 35475). Common names are cudweed sagewort, foothill sagewort, Louisiana sagewort, and white sagebrush. Prarie sage is not listed as a common name. The scientific and common names need to be updated. Synonyms are A. diversifolia, A. gnaphalodes, A. herriotii, A. ludoviciana var. Americana, A. ludoviciana var. brittonii, A. ludoviciana var. gnaphalodes, A. ludoviciana var. latifolia, A. ludoviciana var. pabularis, A. ludoviciana ssp. typical, A. pabularis, A. purshiana, A. vulgaris var. ludoviciana, A. vulgaris ssp. ludoviciana. The Artemisa genus is found in the Asteraceae family.

Parent Product

1208 - Pollens - Weeds and Garden Plants, Sage, Mugwort, Western Artemisia ludoviciana

Related Products

1146 - Pollens - Weeds and Garden Plants, Mugwort, Darkleaved Artemisia ludoviciana

1147 - Pollens - Weeds and Garden Plants, Mugwort, Western Artemisia ludoviciana

1204 - Pollens - Weeds and Garden Plants, Sage, Mixed Artemisia ludoviciana

1212 - Pollens - Weeds and Garden Plants, Sage, Prarie, Artemisia gnaphaloides

1213 - Pollens - Weeds and Garden Plants, Sage, Western Artemisia gnapholodes

1224 - Pollens - Weeds and Garden Plants, Sagebrush, Prairie Artemisia gnaphalodes

1225 - Pollens - Weeds and Garden Plants, Sagebrush, Prairie Artemisia ludoviciana

1229 - Pollens - Weeds and Garden Plants, Sagebrush, Western Artemisia graphaloides

1230 - Pollens - Weeds and Garden Plants, Sagebrush, White (Prairie) Artemisia ludoviciana

Published Data

PMID: 9532972 investigated the prevalence of atopic disease, skin test reactivity, total and specific IgE to common allergens. A. vulgaris was one of the common allergens assessed.

PMID: 9357380 investigated the in-vitro cross-reactivity among nine Artemisia species: A. frigida, A. annua, A. biennis, A. filifolia, A. tridentata, A. californica, A. gnaphalodes, A. ludoviciana, and A. vulgaris. Their data demonstrated very strong in-vitro cross-reactivity among the nine Artemisia species studied.

PMID 12897724 states that "Strong cross-allergenicity between Artemisisa species."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1199_ AnnAllergyAsthmaImmunol.79(4).340.pdf	9357380	Katial, R.K.	1997
1200_ Ann Allergy Asthma Immunol 80 (237).pdf	9532972	García-González, J.J.	1998
1161_ 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: 1213 - Pollens - Weeds and Garden Plants, Sage, Western Artemisia gnaphalodes

Recommended Common Name Sagebrush, White

Recommended Scientific Name Artemisia ludoviciana ssp. ludoviciana

Manufacturers of this Product

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

Search Strategy

PubMed: No literature cited for the species "gnaphaloides". Incorrect spelling: gnaphalodes.

"White Sage" and "White Sagebrush" Artemisia ludoviciana gnaphalodes

Google: sage pollen allergy; sage pollen allergy adverse; sage pollen allergen; sage pollen allergen adverse; same search results performed for Artemisia gnaphaloides

Nomenclature

According to ITIS, the current name of Artemisia gnaphalodes is Artemisia ludoviciana ssp. ludoviciana (TSN 35475). Common names are cudweed sagewort, foothill sagewort, Louisiana sagewort, and white sagebrush. Western sage is not listed as a common name. The scientific and common names need to be updated. Synonyms are A. diversifolia, A. gnaphalodes, A. herriotii, A. ludoviciana var. Americana, A. ludoviciana var. brittonii, A. ludoviciana var. gnaphalodes, A. ludoviciana var. latifolia, A. ludoviciana var. pabularis, A. ludoviciana ssp. typical, A. pabularis, A. purshiana, A. vulgaris var. ludoviciana, A. vulgaris ssp. ludoviciana. The Artemisa genus is found in the Asteraceae family.

Parent Product

1208 - Pollens - Weeds and Garden Plants, Sage, Mugwort, Western Artemisia ludoviciana

Related Products

1146 - Pollens - Weeds and Garden Plants, Mugwort, Darkleaved Artemisia ludoviciana

1147 - Pollens - Weeds and Garden Plants, Mugwort, Western Artemisia ludoviciana

1204 - Pollens - Weeds and Garden Plants, Sage, Mixed Artemisia ludoviciana

1212 - Pollens - Weeds and Garden Plants, Sage, Prarie, Artemisia gnaphaloides

1213 - Pollens - Weeds and Garden Plants, Sage, Western Artemisia gnapholodes

1224 - Pollens - Weeds and Garden Plants, Sagebrush, Prairie Artemisia gnaphalodes

1225 - Pollens - Weeds and Garden Plants, Sagebrush, Prairie Artemisia ludoviciana

1229 - Pollens - Weeds and Garden Plants, Sagebrush, Western Artemisia graphaloides

1230 - Pollens - Weeds and Garden Plants, Sagebrush, White (Prairie) Artemisia ludoviciana

Published Data

PMID: 9532972 investigated the prevalence of atopic disease, skin test reactivity, total and specific IgE to common allergens. A. vulgaris was one of the common allergens assessed.

PMID: 9357380 investigated the in-vitro cross-reactivity among nine Artemisia species: A. frigida, A. annua, A. biennis, A. filifolia, A. tridentata, A. californica, A. gnaphalodes, A. ludoviciana, and A. vulgaris. Their data demonstrated very strong in-vitro cross-reactivity among the nine Artemisia species studied.

PMID 12897724 states that "Strong cross-allergenicity between Artemisisa species."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1199_ AnnAllergyAsthmaImmunol.79(4).340.pdf	9357380	Katial, R.K.	1997
1200_ Ann Allergy Asthma Immunol 80 (237).pdf	9532972	García-González, J.J.	1998
1161_ 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: 1214 - Pollens - Weeds and Garden Plants, Sage, Wormwood Artemisia absinthium

Recommended Common Name Wormwood, Absinth

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: Artemisia, Sagewort and wormwood and immunotherapy and diagnosis

Google: sage pollen allergy; sage pollen allergy adverse; sage pollen allergen; sage pollen allergen adverse; same search results performed for Artemisia absinthium

Nomenclature

According to ITIS, the scientific name is Artemisia absinthium (TSN 35445). Common names are absinth sagewort, absinth wormwood, absinthium, and common sagewort. The common name, wormwood sage, is not listed. The scientific name is correct and current. The common name needs to be updated. Synonym is Artemisia absinthium var. insipida. The Artemisia genus is found in the Asteraceae family.

Parent Product

1271 - Pollens - Weeds and Garden Plants, Wormwood, Asinthe Artemesia absinthium

Related Products

1214 - Pollens - Weeds and Garden Plants, Sage, Wormwood Artemisia absinthium

Published Data

PMID: 9532972 investigated the prevalence of atopic disease, skin test reactivity, total and specific IgE to common allergens. A. vulgaris was one of the common allergens assessed.

A paper (PMID: 15285462) by Cvitanovic reported an increased incidence of positive skin prick test (SPT) results to common pollen allergens (including A. vulgaris) when the air pollen concentrations were high.

PMID: 9357380 investigated the in-vitro cross-reactivity among nine Artemisia species: A. frigida, A. annua, A. biennis, A. filifolia, A. tridentata, A. californica, A. gnaphalodes, A. ludoviciana, and A. vulgaris. Their data demonstrated very strong in-vitro cross-reactivity among the nine Artemisia species studied. Because Artemisia absinthium is wind pollinated, it is considered strongly cross-reactive with other Artemisia species.

PMID: 16650052 evaluated cross-reactivity between ragweed and mugwort pollen extracts. The evaluation was performed by RAST. IgE immunoblot and immunoblot inhibition studies were also performed. Further data is being collected to determine whether ragweed and mugwort co-sensitized patients exhibit clinical symptoms.

PMID 12897724 states that "Strong cross-allergenicity between Artemisisa species."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1199_ AnnAllergyAsthmaImmunol. 79(4).340.pdf	9357380	Katial, R.K.	1997
1200_ Ann Allergy Asthma Immunol 80 (237).pdf	9532972	García-González, J.J.	1998
1173_ Clin Exp Allergy 36 (658) .pdf	16650052	Asero, R.	2006
1203_ Arh Hig Rada Toksikol (55) 147.pdf	15285462	Cvitanović, S.	2004
1161_ 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: 1215 - Pollens - Weeds and Garden Plants, Sage, Wormwood, Indian Artemisia dracunculus

Recommended Common Name Sagewort, Green

Recommended Scientific Name Artemisia dracunculoides

Manufacturers of this Product

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

Search Strategy

PubMed: Sage, Wormwood Indian Artemisia dracunculus

Google: sage pollen allergy; sage pollen allergy adverse; sage pollen allergen; sage pollen allergen adverse; same search results performed for Artemisia dracunculus

Nomenclature

According to ITIS, the correct spelling of Artemisia dracunculus is Artemisia dracunculoides. The current name is Artemisia dracunculus (TSN 35462). Common names are false tarragon, green sagewort, silky wormwood, tarragon, and wormwood. Indian wormwood sage is not listed as a common name. The scientific and common names need to be updated. Synonyms are Artemisia dracunculoides, A. dracunculoides var. dracunculina, A. dracunculus var. gauca, A. dracunculus ssp. glauca, A. glauca, A. glauca var. dracunculina, Oligosporus dracunculus, O. dracunculus ssp. dracunculinus, O. dracunculus ssp. glaucus. The Artemisia genus is found in the Asteraceae family.

Parent Product

1202 - Pollens - Weeds and Garden Plants, Sage, Green Artemisia dracunculoides

Related Products

1211 - Pollens - Weeds and Garden Plants, Sage, Prarie, Artemisia dracunculoides

1215 - Pollens - Weeds and Garden Plants, Sage, Wormwood, Indian Artemisia dracunculus

1219 - Pollens - Weeds and Garden Plants, Sagebrush, Green (Tarragon) Artemisia dracunculus

Published Data

PMID: 9532972 investigated the prevalence of atopic disease, skin test reactivity, total and specific IgE to common allergens. A. vulgaris was one of the common allergens assessed.

Another paper (PMID: 15285462) reported an increased incidence of positive skin prick test (SPT) results to common pollen allergens (including A. vulgaris) when the air pollen concentrations were high.

PMID: 9357380 investigated the in-vitro cross-reactivity among nine Artemisia species: A. frigida, A. annua, A. biennis, A. filifolia, A. tridentata, A. californica, A. gnaphalodes, A. ludoviciana, and A. vulgaris. Their data demonstrated very strong in-vitro cross-reactivity among the nine Artemisia species studied. Because Artemisia dracunculus is wind pollinated, it is considered strongly cross-reactive with other Artemisia species.

PMID 12897724 states that "Strong cross-allergenicity between Artemisisa species."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1199_ AnnAllergyAsthmaImmunol.79(4).340.pdf	9357380	Katial, R.K.	1997
1214_ Ann Allergy Asthma Immunol 80 (237).pdf	9532972	García-González, J.J.	1998
1203_ Arh Hig Rada Toksikol (55) 147.pdf	15285462	Cvitanović, S.	2004
1161_ 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: 1216 - Pollens - Weeds and Garden Plants, Sagebrush Artemisia annua

Recommended Common Name Wormwood, Annual

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: Artemisia annua and diagnosis and immunotherapy, Annual wormwood and diagnosis and immunotherapy

Google: sagebrush pollen allergy; sagebrush pollen allergy adverse; sagebrush pollen allergen; sagebrush pollen allergen adverse; same search results performed for Artemisia annua

Nomenclature

According to ITIS, the scientific name is Artemisia annua (TSN 35448). Common names are annual wormwood and sweet sagewort. The common name sagebrush is not listed. The scientific name is correct and current. The common name needs to be updated. The Artemisia genus is found in the Asteraceae family.

Parent Product

1270 - Pollens - Weeds and Garden Plants, Wormwood, Annual Artemisia annua

Related Products

1216 - Pollens - Weeds and Garden Plants, Sagebrush Artemisia annua

Published Data

PMID: 9532972 investigated the prevalence of atopic disease, skin test reactivity, total and specific IgE to common allergens. A. vulgaris was one of the common allergens assessed.

A paper (PMID: 15285462) by Cvitanovic reported an increased incidence of positive skin prick test (SPT) results to common pollen allergens (including A. vulgaris) when the air pollen concentrations were high.

PMID: 9357380 investigated the in-vitro cross-reactivity among nine Artemisia species: A. frigida, A. annua, A. biennis, A. filifolia, A. tridentata, A. californica, A. gnaphalodes, A. ludoviciana, and A. vulgaris. Their data demonstrated very strong in-vitro cross-reactivity among the nine Artemisia species studied. Because Artemisia annua is wind pollinated, it is considered strongly cross-reactive with other Artemisia species.

PMID: 16650052 evaluated cross-reactivity between ragweed and mugwort pollen extracts. The evaluation was performed by RAST. IgE immunoblot and immunoblot inhibition studies were also performed. Further data is being collected to determine whether ragweed and mugwort co-sensitized patients exhibit clinical symptoms.

PMID 12897724 states that "Strong cross-allergenicity between Artemisia species."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1199_ AnnAllergyAsthmaImmunol.79(4).340.pdf	9357380	Katial, R.K.	1997
1214_ Ann Allergy Asthma Immunol 80 (237).pdf	9532972	García-González, J.J.	1998
1173_ Clin Exp Allergy 36 (658) .pdf	16650052	Asero, R.	2006
1203_ Arh Hig Rada Toksikol (55) 147.pdf	15285462	Cvitanović, S.	2004
1161_ 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: 1217 - Pollens - Weeds and Garden Plants, Sagebrush, Coast Artemisia californica

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: Sage and allergen and allergy and immunotherapy; Desert Artemesia californica; Sage and allergy and allergen and diagnosis

Google: sage pollen allergy; sage pollen allergy adverse; sage pollen allergen; sage pollen allergen adverse; same search results performed for Artemesia californica and Artemisia californica

Nomenclature

According to ITIS, the scientific name is Artemisia californica (TSN 35453). The common name is coastal sagebrush. The scientific and common names are correct and current. The Artemisia genus is found in the Asteraceae family.

Parent Product

1199 - Pollens - Weeds and Garden Plants, Sage, Coastal Artemisia californica

Related Products

1200 - Pollens - Weeds and Garden Plants, Sage, Desert Artemesia californica

1217 - Pollens - Weeds and Garden Plants, Sagebrush, Coast Artemisia californica

Published Data

PMID: 9532972 investigated the prevalence of atopic disease, skin test reactivity, total and specific IgE to common allergens. A. vulgaris was one of the common allergens assessed.

Another paper (PMID: 15285462) reported an increased incidence of positive skin prick test (SPT) results to common pollen allergens (including A. vulgaris) when the air pollen concentrations were high.

PMID: 9357380 investigated the in-vitro cross-reactivity among nine Artemisia species: A. frigida, A. annua, A. biennis, A. filifolia, A. tridentata, A. californica, A. gnaphalodes, A. ludoviciana, and A. vulgaris. Their data demonstrated very strong in-vitro cross-reactivity among the nine Artemisia species studied

PMID 12897724 states that "Strong cross-allergenicity between Artemisisa species."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1199_ AnnAllergyAsthmaImmunol.79(4).340.pdf	9357380	Katial, R.K.	1997
1214_ Ann Allergy Asthma Immunol 80 (237).pdf	9532972	García-González, J.J.	1998
1203_ Arh Hig Rada Toksikol (55) 147.pdf	15285462	Cvitanović, S.	2004
1161_ 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: 1218 - Pollens - Weeds and Garden Plants, Sagebrush, Common Artemisia tridentata

Recommended Common Name Sagebrush, Big

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)
- 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: Artemisia tridentate.
Google: sage pollen allergy; sage pollen allergy adverse; sage pollen allergen; sage pollen allergen adverse; same search results performed for Artemisia tridentata

Nomenclature

According to ITIS, the scientific name is Artemisia tridentata (TSN 35498). The common names are big sagebrush and big sage bush. The common name common sagebrush is not listed. The scientific name is correct and current. The common name needs to be updated. There are six subspecies of A. tridentata: parishii, spiciformis, tridentata, vaseyana, wyomingensis, and xericensis. The Artemisia genus is found in the Asteraceae family.

Parent Product

1218 - Pollens - Weeds and Garden Plants, Sagebrush, Common Artemisia tridentata

Related Products

- 1201 - Pollens - Weeds and Garden Plants, Sage, Desert Artemisia tridentata
- 1206 - Pollens - Weeds and Garden Plants, Sage, Mixed Artemisia tridentata

Published Data

PMID: 9532972 investigated the prevalence of atopic disease, skin test reactivity, total and specific IgE to common allergens. A. vulgaris was one of the common allergens assessed.

PMID: 9357380 investigated the in-vitro cross-reactivity among nine Artemisia species: A. frigida, A. annua, A. biennis, A. filifolia, A. tridentata, A. californica, A. gnaphalodes, A. ludoviciana, and A. vulgaris. Their data demonstrated very strong in-vitro cross-reactivity among the nine Artemisia species studied.

PMID: 15285462 reported an increased incidence of positive skin prick test (SPT) results to common pollen allergens (including A. vulgaris) when the air pollen concentrations were high.

In PMID: 17235963 pollen extracts of Artemisia vulgaris, A. scoparia, A. princeps, A. tridentata, A. annua, and A. campestris were compared using SDS-PAGE, IEF, immunoblotting, and immunoelectrophoretic methods. These studies showed an extensive degree of similarity and cross-reactivity between the different species.

PMID 12897724 states that "Strong cross-allergenicity between Artemisisa species."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1199_AnnAllergyAsthmaImmunol.79(4).340.pdf	9357380	Katial, R.K.	1997
1214_Ann Allergy Asthma Immunol 80 (237).pdf	9532972	García-González, J.J.	1998
1218_Planta Med. 59 (3) 221.pdf	17235963	Brandys, J.	1993
1203_Arh Hig Rada Toksikol (55) 147.pdf	15285462	Cvitanović, S.	2004
1161_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: 1219 - Pollens - Weeds and Garden Plants, Sagebrush, Green (Tarragon) Artemisia dracuncul

Recommended Common Name Sagewort, Green

Manufacturers of this Product

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

Search Strategy

PubMed: Sage, Wormwood Indian Artemisia dracunculus

Google: sage pollen allergy; sage pollen allergy adverse; sage pollen allergen; sage pollen allergen adverse; same search results performed for Artemisia dracunculus

Nomenclature

According to ITIS, the scientific name is Artemisa draunculus (TSN 35462). Common names are false tarragon, green sagewort, silky wormwood, tarragon, and wormwood. Green tarragon sagebrush is not listed as a common name. The scientific name is correct and current. The common name needs to be updated. Synonyms are Artemisisa dracunculoides, A. dracunuloides var. dracunculina, A. dracunculus var. gauca, A. dracunculus ssp. glauca, A. glauca, A. glauca var. dracunculina, Oligosporus dracunculus, O. dracunculus ssp. dracunculinus, O. dracunculus ssp. glaucus. The Artemisa genus is found in the Asteraceae family.

Parent Product

1202 - Pollens - Weeds and Garden Plants, Sage, Green Artemisia dracunculoides

Related Products

1211 - Pollens - Weeds and Garden Plants, Sage, Prarie, Artemisia dracunculoides

1215 - Pollens - Weeds and Garden Plants, Sage, Wormwood, Indian Artemisia dracunculus

1219 - Pollens - Weeds and Garden Plants, Sagebrush, Green (Tarragon) Artemisia dracunculus

Published Data

PMID: 9532972 investigated the prevalence of atopic disease, skin test reactivity, total and specific IgE to common allergens. A. vulgaris was one of the common allergens assessed.

Another paper (PMID: 15285462) reported an increased incidence of positive skin prick test (SPT) results to common pollen allergens (including A. vulgaris) when the air pollen concentrations were high.

PMID: 9357380 investigated the in-vitro cross-reactivity among nine Artemisia species: A. frigida, A. annua, A. biennis, A. filifolia, A. tridentata, A. californica, A. gnaphalodes, A. ludoviciana, and A. vulgaris. Their data demonstrated very strong in-vitro cross-reactivity among the nine Artemisia species studied. Because Artemisia dracunculus is wind pollinated, it is considered strongly cross-reactive with other Artemisia species.

PMID 12897724 states that "Strong cross-allergenicity between Artemisisa species."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1199_ AnnAllergyAsthmaImmunol.79(4).340.pdf	9357380	Katial, R.K.	1997
1214_ Ann Allergy Asthma Immunol 80 (237).pdf	9532972	García-González, J.J.	1998
1203_ Arh Hig Rada Toksikol (55) 147.pdf	15285462	Cvitanović, S.	2004
1161_ 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: 1220 - Pollens - Weeds and Garden Plants, Sagebrush, Mugwort Artemisia douglasiana

Recommended Common Name Sagewort, Douglas

Manufacturers of this Product

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

Search Strategy

PubMed: Artemisia douglasiana

Google: sage pollen allergy; sage pollen allergy adverse; sage pollen allergen; sage pollen allergen adverse; same search results performed for Artemisia douglasiana

Nomenclature

According to ITIS, the scientific name is Artemisa douglasiana (TSN 35460). Common names are Douglas' mugwort and Douglas' sagewort. Mugwort sagebrush is not listed as a common name. The scientific name is correct and current. The common name needs to be updated. A. vulgaris var. douglasiana is listed as a synonym. The Artemisa genus is found in the Asteraceae family.

Parent Product

1220 - Pollens - Weeds and Garden Plants, Sagebrush, Mugwort Artemisia douglasiana

Published Data

PMID: 9532972 investigated the prevalence of atopic disease, skin test reactivity, total and specific IgE to common allergens. A. vulgaris was one of the common allergens assessed.

PMID: 9357380 investigated the in-vitro cross-reactivity among nine Artemisia species: A. frigida, A. annua, A. biennis, A. filifolia, A. tridentata, A. californica, A. gnaphalodes, A. ludoviciana, and A. vulgaris. Their data demonstrated very strong in-vitro cross-reactivity among the nine Artemisia species studied. Because Artemisia douglasiana is wind pollinated, it is considered strongly cross-reactive with other Artemisia species.

PMID: 15285462 reported an increased incidence of positive skin prick test (SPT) results to common pollen allergens (including A. vulgaris) when the air pollen concentrations were high.

PMID 12897724 states that "Strong cross-allergenicity between Artemisisa species."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1199_ AnnAllergyAsthmaImmunol.79(4).340.pdf	9357380	Katial, R.K.	1997
1214_ Ann Allergy Asthma Immunol 80 (237).pdf	9532972	García-González, J.J.	1998
1203_ Arh Hig Rada Toksikol (55) 147.pdf	15285462	Cvitanović, S.	2004
1161_ 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: 1221 - Pollens - Weeds and Garden Plants, Sagebrush, Mugwort Artemisia vulgaris

Recommended Common Name Woodworm, Common

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: Common wormwood and allergen and immunotherapy and diagnosis; Mugwort and allergen and immunotherapy; Mugwort, Common Artemisia vulgaris and allergen and immunotherapy

Google: Mugwort and Common Artemisia vulgaris and allergen and immunotherapy

Nomenclature

According to ITIS, the scientific name is Artemisia vulgaris (TSN 35505). The common names are common wormwood and mugwort. The scientific name is correct and current. The common name needs to be updated. Two varieties of A. vulgaris are listed: kamtschatica and vulgaris. The Artemisia genus is found in the Asteraceae family.

Parent Product

1221 - Pollens - Weeds and Garden Plants, Sagebrush, Mugwort Artemisia vulgaris

Related Products

1203 - Pollens - Weeds and Garden Plants, Sage, Hog Artemisia vulgaris

1207 - Pollens - Weeds and Garden Plants, Sage, Mugwort, Common Artemisia vulgaris

Published Data

PMID: 9532972 investigated the prevalence of atopic disease, skin test reactivity, total and specific IgE to common allergens. A. vulgaris was one of the common allergens assessed.

PMID: 9357380 investigated the in-vitro cross-reactivity among nine Artemisia species: A. frigida, A. annua, A. biennis, A. filifolia, A. tridentata, A. californica, A. gnaphalodes, A. ludoviciana, and A. vulgaris. Their data demonstrated very strong in-vitro cross-reactivity among the nine Artemisia species studied.

PMID: 15285462 reported an increased incidence of positive skin prick test (SPT) results to common pollen allergens (including A. vulgaris) when the air pollen concentrations were high.

In PMID: 17235963 pollen extracts of Artemisia vulgaris, A. scoparia, A. princeps, A. tridentate, A. annua, and A. campestris were compared using SDS-PAGE, IEF, immunoblotting, and immunoelectrophoretic methods. These studies showed an extensive degree of similarity and cross-reactivity between the different species.

PMID 12897724 states that "Strong cross-allergenicity between Artemisisa species."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1199_ AnnAllergyAsthmaImmunol.79(4).340.pdf	9357380	Katial, R.K.	1997
1214_ Ann Allergy Asthma Immunol 80 (237).pdf	9532972	García-González, J.J.	1998
1221_ Planta Med. 59 (3) 221.pdf	17235963	Brandys, J.	1993
1203_ Arh Hig Rada Toksikol (55) 147.pdf	15285462	Cvitanović, S.	2004
1161_ 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: 1222 - Pollens - Weeds and Garden Plants, Sagebrush, Pasture (Carpet) Artemisia frigida

Recommended Common Name Sagewort, Prairie

Manufacturers of this Product

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

Search Strategy

PubMed: Sage, Pasture Artemisia frigida and allergen and allergy and immunotherapy. Tansy tribe-pasture sage.

Google: sage pollen allergy; sage pollen allergy adverse; sage pollen allergen; sage pollen allergen adverse; same search results performed for Artemisia frigida

Nomenclature

According to ITIS, the scientific name is Artemisia frigida (TSN 35465). Common names are fringed sagebrush, fringed sagewort, and prairie sagewort. Carpet pasture sagebrush is not listed as a common name. The scientific name is correct and current. The common name needs to be updated. The Artemisia genus is found in the Asteraceae family.

Parent Product

1210 - Pollens - Weeds and Garden Plants, Sage, Prarie Artemisia frigida

Related Products

1209 - Pollens - Weeds and Garden Plants, Sage, Pasture Artemisia frigida

1222 - Pollens - Weeds and Garden Plants, Sagebrush, Pasture (Carpet) Artemisia frigida

1223 - Pollens - Weeds and Garden Plants, Sagebrush, Pasture Artemisia frigida

Published Data

PMID: 9357380 investigated the in-vitro cross-reactivity among nine Artemisia species: A. frigida, A. annua, A. biennis, A. filifolia, A. tridentata, A. californica, A. gnaphalodes, A. ludoviciana, and A. vulgaris. Their data demonstrated very strong in-vitro cross-reactivity among the nine Artemisia species studied. Because Artemisia frigida is wind pollinated, it is considered strongly cross-reactive with other Artemisia species.

PMID 12897724 states that "Strong cross-allergenicity between Artemisisa species."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1199_ AnnAllergyAsthmaImmunol. 79(4).340.pdf	9357380	Katial, R.K.	1997
1161_ 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: 1223 - Pollens - Weeds and Garden Plants, Sagebrush, Pasture Artemisia frigida

Recommended Common Name Sagewort, Prairie

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: Sage, Pasture Artemisia frigida and allergen and allergy and immunotherapy. Tansy tribe-pasture sage.

Google: sage pollen allergy; sage pollen allergy adverse; sage pollen allergen; sage pollen allergen adverse; same search results performed for Artemisia frigida

Nomenclature

According to ITIS, the scientific name is Artemisia frigida (TSN 35465). Common names are listed as fringed sagebrush, fringed sagewort, and prairie sagewort. Pasture sagebrush is not listed as a common name. The scientific name is correct and current. The common name needs to be updated. The Artemisia genus is found in the Asteraceae family.

Parent Product

1210 - Pollens - Weeds and Garden Plants, Sage, Prarie Artemisia frigida

Related Products

1209 - Pollens - Weeds and Garden Plants, Sage, Pasture Artemisia frigida

1222 - Pollens - Weeds and Garden Plants, Sagebrush, Pasture (Carpet) Artemisia frigida

1223 - Pollens - Weeds and Garden Plants, Sagebrush, Pasture Artemisia frigida

Published Data

PMID: 9357380 investigated the in-vitro cross-reactivity among nine Artemisia species: A. frigida, A. annua, A. biennis, A. filifolia, A. tridentata, A. californica, A. gnaphalodes, A. ludoviciana, and A. vulgaris. Their data demonstrated very strong in-vitro cross-reactivity among the nine Artemisia species studied. Because Artemisia frigida is wind pollinated, it is considered strongly cross-reactive with other Artemisia species.

PMID 12897724 states that "Strong cross-allergenicity between Artemisisa species."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1199_ AnnAllergyAsthmaImmunol.79(4).340.pdf	9357380	Katial, R.K.	1997
1161_ 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: 1224 - Pollens - Weeds and Garden Plants, Sagebrush, Prairie Artemisia gnaphalodes

Recommended Common Name Sagebrush, White

Recommended Scientific Name Artemisia ludoviciana ssp. ludoviciana

Manufacturers of this Product

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

Search Strategy

PubMed: No literature cited for the species "gnaphaloides". Incorrect spelling: gnaphalodes.

"White Sage" and "White Sagebrush" Artemisia ludoviciana gnaphalodes

Google: sage pollen allergy; sage pollen allergy adverse; sage pollen allergen; sage pollen allergen adverse; same search results performed for Artemisia gnaphaloides

Nomenclature

According to ITIS, the current name of Artemisia gnaphalodes is Artemisia ludoviciana ssp. ludoviciana (TSN 35475). Common names are cudweed sagewort, foothill sagewort, Louisiana sagewort, and white sagebrush. The scientific and common names need to be updated. Prairie sagebrush is not listed as a common name. Synonyms are A. diversifolia, A. gnaphalodes, A. herriotii, A. ludoviciana var. Americana, A. ludoviciana var. brittonii, A. ludoviciana var. gnaphalodes, A. ludoviciana var. latifolia, A. ludoviciana var. pabularis, A. ludoviciana ssp. typical, A. pabularis, A. purshiana, A. vulgaris var. ludoviciana, A. vulgaris ssp. ludoviciana. The Artemisa genus is found in the Asteraceae family.

Parent Product

1208 - Pollens - Weeds and Garden Plants, Sage, Mugwort, Western Artemisia ludoviciana

Related Products

1146 - Pollens - Weeds and Garden Plants, Mugwort, Darkleaved Artemisia ludoviciana

1147 - Pollens - Weeds and Garden Plants, Mugwort, Western Artemisia ludoviciana

1204 - Pollens - Weeds and Garden Plants, Sage, Mixed Artemisia ludoviciana

1212 - Pollens - Weeds and Garden Plants, Sage, Prairie, Artemisia gnaphaloides

1213 - Pollens - Weeds and Garden Plants, Sage, Western Artemisia gnaphalodes

1224 - Pollens - Weeds and Garden Plants, Sagebrush, Prairie Artemisia gnaphalodes

1225 - Pollens - Weeds and Garden Plants, Sagebrush, Prairie Artemisia ludoviciana

1229 - Pollens - Weeds and Garden Plants, Sagebrush, Western Artemisia gnaphaloides

1230 - Pollens - Weeds and Garden Plants, Sagebrush, White (Prairie) Artemisia ludoviciana

Published Data

PMID: 9532972 investigated the prevalence of atopic disease, skin test reactivity, total and specific IgE to common allergens. A. vulgaris was one of the common allergens assessed.

PMID: 9357380 investigated the in-vitro cross-reactivity among nine Artemisia species: A. frigida, A. annua, A. biennis, A. filifolia, A. tridentata, A. californica, A. gnaphalodes, A. ludoviciana, and A. vulgaris. Their data demonstrated very strong in-vitro cross-reactivity among the nine Artemisia species studied.

PMID 12897724 states that "Strong cross-allergenicity between Artemisisa species."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1199_ AnnAllergyAsthmaImmunol.79(4).340.pdf	9357380	Katial, R.K.	1997
1214_ Ann Allergy Asthma Immunol 80 (237).pdf	9532972	García-González, J.J.	1998
1161_ 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: 1225 - Pollens - Weeds and Garden Plants, Sagebrush, Prairie Artemisia ludoviciana

Recommended Common Name Sagebrush, White

Manufacturers of this Product

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

Search Strategy

PubMed: Mugwort, Western Artemisia ludoviciana and allergen and allergy and immunotherapy; cudweed sagewort Artemisia ludoviciana

Google: Mugwort and Western Artemisia ludoviciana; cudweed sagewort and Artemisia ludoviciana and allergy and allergen and immunotherapy

Nomenclature

According to ITIS, the scientific name is Artemisia ludoviciana (TSN 35474). Common names are cudweed sagewort, gray sagewort, Louisiana sagewort, Louisiana wormwood, mugwort wormwood, prairie sage, and white sagebrush. Prairie sagebrush is not listed as a common name. The scientific name is correct and current. The common name needs to be updated. There are eight subspecies of A. ludoviciana listed: albula, candicans, estesii, incompta, ludoviciana, Mexicana, redolens, and sulcata. The Artemisia genus is found in the Asteraceae family.

Parent Product

1208 - Pollens - Weeds and Garden Plants, Sage, Mugwort, Western Artemisia ludoviciana

Related Products

1146 - Pollens - Weeds and Garden Plants, Mugwort, Darkleaved Artemisia ludoviciana

1147 - Pollens - Weeds and Garden Plants, Mugwort, Western Artemisia ludoviciana

1204 - Pollens - Weeds and Garden Plants, Sage, Mixed Artemisia ludoviciana

1212 - Pollens - Weeds and Garden Plants, Sage, Prarie, Artemisia gnaphaloides

1213 - Pollens - Weeds and Garden Plants, Sage, Western Artemisia gnapholodes

1224 - Pollens - Weeds and Garden Plants, Sagebrush, Prairie Artemisia gnaphalodes

1225 - Pollens - Weeds and Garden Plants, Sagebrush, Prairie Artemisia ludoviciana

1229 - Pollens - Weeds and Garden Plants, Sagebrush, Western Artemisia graphaloides

1230 - Pollens - Weeds and Garden Plants, Sagebrush, White (Prairie) Artemisia ludoviciana

Published Data

PMID: 9532972 investigated the prevalence of atopic disease, skin test reactivity, total and specific IgE to common allergens. A. vulgaris was one of the common allergens assessed.

PMID: 9357380 investigated the in-vitro cross-reactivity among nine Artemisia species: A. frigida, A. annua, A. biennis, A. filifolia, A. tridentata, A. californica, A. gnaphalodes, A. ludoviciana, and A. vulgaris. Their data demonstrated very strong in-vitro cross-reactivity among the nine Artemisia species studied.

PMID 12897724 states that "Strong cross-allergenicity between Artemisisa species."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1199_ AnnAllergyAsthmaImmunol.79(4).340.pdf	9357380	Katial, R.K.	1997
1214_ Ann Allergy Asthma Immunol 80 (237).pdf	9532972	García-González, J.J.	1998
1161_ 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: 1226 - Pollens - Weeds and Garden Plants, Sagebrush, Sand Dune Artemisia filifolia

Recommended Common Name Sagebrush, Sand

Manufacturers of this Product

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

Search Strategy

PubMed: Artemisia filifolia; Artemisia filifolia allergy

Google: Artemisia filifolia; sandsage

Nomenclature

According to ITIS, the scientific name is Artemisia filifolia (TSN 35463). The common names are sand sagebrush, sandhill sage, and silvery wormwood. Sand dune sagebrush is not listed as a common name. The scientific name is correct and current. The common name needs to be updated. Synonym is Oligosporus filifolius. The Artemisia genus is found in the Asteraceae family.

Parent Product

1226 - Pollens - Weeds and Garden Plants, Sagebrush, Sand Dune Artemisia filifolia

Published Data

PMID: 9532972 investigated the prevalence of atopic disease, skin test reactivity, total and specific IgE to common allergens. A. vulgaris was one of the common allergens assessed.

Another paper (PMID: 15285462) reported an increased incidence of positive skin prick test (SPT) results to common pollen allergens (including A. vulgaris) when the air pollen concentrations were high.

PMID: 9357380 investigated the in-vitro cross-reactivity among nine Artemisia species: A. frigida, A. annua, A. biennis, A. filifolia, A. tridentata, A. californica, A. gnaphalodes, A. ludoviciana, and A. vulgaris. Their data demonstrated very strong in-vitro cross-reactivity among the nine Artemisia species studied. Because Artemisia filifolia is wind pollinated, it is considered strongly cross-reactive with other Artemisia species.

PMID 12897724 states that "Strong cross-allergenicity between Artemisisa species."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1199_ AnnAllergyAsthmaImmunol.79(4).340.pdf	9357380	Katial, R.K.	1997
1214_ Ann Allergy Asthma Immunol 80 (237).pdf	9532972	García-González, J.J.	1998
1203_ Arh Hig Rada Toksikol (55) 147.pdf	15285462	Cvitanović, S.	2004
1161_ 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: 1227 - Pollens - Weeds and Garden Plants, Sagebrush, Sand Dune Artemisia pycnocephala

Recommended Common Name Wormwood, Beach

Manufacturers of this Product

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

Search Strategy

PubMed: Artemisia pycnocephala

Google: sagebrush pollen allergy; sagebrush pollen allergy adverse; sagebrush pollen allergen; sagebrush pollen allergen adverse; same search results performed for Artemisia pycnocephala

Nomenclature

According to ITIS, the scientific name is Artemisia pycnocephala (TSN 35489). Common name is beach wormwood. Sand dune sagebrush is not listed as a common name. The scientific name is correct and current. The common name needs to be updated. The Artemisa genus is found in the Asteraceae family.

Parent Product

1227 - Pollens - Weeds and Garden Plants, Sagebrush, Sand Dune Artemisia pycnocephala

Published Data

PMID: 9532972 investigated the prevalence of atopic disease, skin test reactivity, total and specific IgE to common allergens. A. vulgaris was one of the common allergens assessed.

Another paper (PMID: 15285462) by Cvitanovic reported an increased incidence of positive skin prick test (SPT) results to common pollen allergens (including A. vulgaris) when the air pollen concentrations were high.

PMID: 9357380 investigated the in-vitro cross-reactivity among nine Artemisia species: A. frigida, A. annua, A. biennis, A. filifolia, A. tridentata, A. californica, A. gnaphalodes, A. ludoviciana, and A. vulgaris. Their data demonstrated very strong in-vitro cross-reactivity among the nine Artemisia species studied. Because Artemisia pycnocephala is wind pollinated, it is considered strongly cross-reactive with other Artemisia species.

A review of Amaranthaceae in PMID: 12897724 indicated strong cross- allergenicity between Asteraceae and Artemisia species.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1199_ AnnAllergyAsthmaImmunol.79(4).340.pdf	9357380	Katial, R.K.	1997
1214_ Ann Allergy Asthma Immunol 80 (237).pdf	9532972	García-González, J.J.	1998
1203_ Arh Hig Rada Toksikol (55) 147.pdf	15285462	Cvitanović, S.	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>	none	none
<u>Therapy:</u>	none	none

Product: 1228 - Pollens - Weeds and Garden Plants, Sagebrush, Suksdorf Artemisia suksdorfii

Recommended Common Name Wormwood, Coastal

Manufacturers of this Product

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

Search Strategy

PubMed: Artemisia suksdorfii

Google: sagebrush pollen allergy; sagebrush pollen allergy adverse; sagebrush pollen allergen; sagebrush pollen allergen adverse; same search results performed for Artemisia suksdorfii

Nomenclature

According to ITIS, the scientific name is Artemisia suksdorfii (TSN 35497). Common name is coastal wormwood. Suksdorf sagebrush is not listed as a common name. The scientific name is correct and current. The common name needs to be updated. The Artemisa genus is found in the Asteraceae family.

Parent Product

1228 - Pollens - Weeds and Garden Plants, Sagebrush, Suksdorf Artemisia suksdorfii

Published Data

PMID: 9532972 investigated the prevalence of atopic disease, skin test reactivity, total and specific IgE to common allergens. A. vulgaris was one of the common allergens assessed.

Another paper (PMID: 15285462) by Cvitanovic reported an increased incidence of positive skin prick test (SPT) results to common pollen allergens (including A. vulgaris) when the air pollen concentrations were high.

PMID: 9357380 investigated the in-vitro cross-reactivity among nine Artemisia species: A. frigida, A. annua, A. biennis, A. filifolia, A. tridentata, A. californica, A. gnaphalodes, A. ludoviciana, and A. vulgaris. Their data demonstrated very strong in-vitro cross-reactivity among the nine Artemisia species studied. Because Artemisia suksdorfii is wind pollinated, it is considered strongly cross-reactive with other Artemisia species.

A review of Amaranthaceae in PMID: 12897724 indicated strong cross- allergenicity between Asteraceae and Artemisia species.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1199_ AnnAllergyAsthmaImmunol.79(4).340.pdf	9357380	Katial, R.K.	1997
1214_ Ann Allergy Asthma Immunol 80 (237).pdf	9532972	García-González, J.J.	1998
1203_ Arh Hig Rada Toksikol (55) 147.pdf	15285462	Cvitanović, S.	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>	none	none
<u>Therapy:</u>	none	none

Product: 1229 - Pollens - Weeds and Garden Plants, Sagebrush, Western Artemisia graphaloides

Recommended Common Name Sagebrush, White

Recommended Scientific Name Artemisia ludoviciana ssp. ludoviciana

Manufacturers of this Product

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

Search Strategy

PubMed: No literature cited for the species "gnaphaloides". Incorrect spelling: gnaphalodes.

"White Sage" and "White Sagebrush" Artemisia ludoviciana gnaphalodes

Google: sage pollen allergy; sage pollen allergy adverse; sage pollen allergen; sage pollen allergen adverse; same search results performed for Artemisia gnaphaloides

Nomenclature

According to ITIS, the correct spelling of Artemisia graphaloides is Artemisia gnaphalodes. The current name is Artemisia ludoviciana ssp. ludoviciana (TSN 35475). Common names are cudweed sagewort, foothill sagewort, Louisiana sagewort, and white sagebrush. Western sagebrush is not listed as a common name. The scientific and common names need to be updated. Synonyms are A. diversifolia, A. gnaphalodes, A. herriotii, A. ludoviciana var. Americana, A. ludoviciana var. brittonii, A. ludoviciana var. gnaphalodes, A. ludoviciniana var. latifolia, A. ludoviciana var. pabularis, A. ludoviciana ssp. typical, A. pabularis, A. purshiana, A. vulgaris var. ludoviciana, A. vulgaris ssp. ludoviciana. The Artemisa genus is found in the Asteraceae family.

Parent Product

1208 - Pollens - Weeds and Garden Plants, Sage, Mugwort, Western Artemisia ludoviciana

Related Products

1146 - Pollens - Weeds and Garden Plants, Mugwort, Darkleaved Artemisia ludoviciana

1147 - Pollens - Weeds and Garden Plants, Mugwort, Western Artemisia ludoviciana

1204 - Pollens - Weeds and Garden Plants, Sage, Mixed Artemisia ludoviciana

1212 - Pollens - Weeds and Garden Plants, Sage, Prarie, Artemisia gnaphaloides

1213 - Pollens - Weeds and Garden Plants, Sage, Western Artemisia gnapholodes

1224 - Pollens - Weeds and Garden Plants, Sagebrush, Prairie Artemisia gnaphalodes

1225 - Pollens - Weeds and Garden Plants, Sagebrush, Prairie Artemisia ludoviciana

1229 - Pollens - Weeds and Garden Plants, Sagebrush, Western Artemisia graphaloides

1230 - Pollens - Weeds and Garden Plants, Sagebrush, White (Prairie) Artemisia ludoviciana

Published Data

PMID: 9532972 investigated the prevalence of atopic disease, skin test reactivity, total and specific IgE to common allergens. A. vulgaris was one of the common allergens assessed.

PMID: 9357380 investigated the in-vitro cross-reactivity among nine Artemisia species: A. frigida, A. annua, A. biennis, A. filifolia, A. tridentata, A. californica, A. gnaphalodes, A. ludoviciana, and A. vulgaris. Their data demonstrated very strong in-vitro cross-reactivity among the nine Artemisia species studied.

PMID 12897724 states that "Strong cross-allergenicity between Artemisisa species."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1199_ AnnAllergyAsthmaImmunol. 79(4).340.pdf	9357380	Katial, R.K.	1997
1214_ Ann Allergy Asthma Immunol 80 (237).pdf	9532972	García-González, J.J.	1998
1161_ 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: 1230 - Pollens - Weeds and Garden Plants, Sagebrush, White (Prairie) Artemisia ludoviciana

Recommended Common Name Sagebrush, White

Manufacturers of this Product

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

Search Strategy

PubMed: Mugwort, Western Artemisia ludoviciana and allergen and allergy and immunotherapy; cudweed sagewort Artemisia ludoviciana

Google: Mugwort and Western Artemisia ludoviciana; cudweed sagewort and Artemisia ludoviciana and allergy and allergen and immunotherapy

Nomenclature

According to ITIS, the scientific name is Artemisia ludoviciana (TSN 35474). Common names are listed as cudweed sagewort, gray sagewort, Louisiana sagewort, Louisiana wormwood, mugwort wormwood, prairie sage, and white sagebrush. The scientific name is correct and current. The common name needs to be updated. There are eight subspecies of A. ludoviciana listed: albula, candicans, estesii, incompta, ludoviciana, Mexicana, redolens, and sulcata. The Artemisia genus is found in the Asteraceae family.

Parent Product

1208 - Pollens - Weeds and Garden Plants, Sage, Mugwort, Western Artemisia ludoviciana

Related Products

1146 - Pollens - Weeds and Garden Plants, Mugwort, Darkleaved Artemisia ludoviciana

1147 - Pollens - Weeds and Garden Plants, Mugwort, Western Artemisia ludoviciana

1204 - Pollens - Weeds and Garden Plants, Sage, Mixed Artemisia ludoviciana

1212 - Pollens - Weeds and Garden Plants, Sage, Prarie, Artemisia gnaphaloides

1213 - Pollens - Weeds and Garden Plants, Sage, Western Artemisia gnapholodes

1224 - Pollens - Weeds and Garden Plants, Sagebrush, Prairie Artemisia gnaphalodes

1225 - Pollens - Weeds and Garden Plants, Sagebrush, Prairie Artemisia ludoviciana

1229 - Pollens - Weeds and Garden Plants, Sagebrush, Western Artemisia graphaloides

1230 - Pollens - Weeds and Garden Plants, Sagebrush, White (Prairie) Artemisia ludoviciana

Published Data

PMID: 9532972 investigated the prevalence of atopic disease, skin test reactivity, total and specific IgE to common allergens. A. vulgaris was one of the common allergens assessed.

PMID: 9357380 investigated the in-vitro cross-reactivity among nine Artemisia species: A. frigida, A. annua, A. biennis, A. filifolia, A. tridentata, A. californica, A. gnaphalodes, A. ludoviciana, and A. vulgaris. Their data demonstrated very strong in-vitro cross-reactivity among the nine Artemisia species studied.

PMID 12897724 states that "Strong cross-allergenicity between Artemisisa species."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1199_ AnnAllergyAsthmaImmunol.79(4).340.pdf	9357380	Katial, R.K.	1997
1214_ Ann Allergy Asthma Immunol 80 (237).pdf	9532972	García-González, J.J.	1998
1161_ 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: 1231 - Pollens - Weeds and Garden Plants, Saltbush, Annual Atriplex wrightii

Recommended Common Name Saltbrush, Wright

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: Atriplex wrightii, no articles
Google: saltbush pollen allergy; saltbush pollen allergy adverse; saltbush pollen allergen; saltbush pollen allergen adverse; same search results performed for Atriplex wrightii

Nomenclature

According to ITIS, the scientific name is Atriplex wrightii (TSN 20583). The common name is Wright saltbrush. Annual saltbush is not listed as a common name. The scientific name is correct and current. The common name needs to be updated. The Atriplex genus is found in the Chenopodiaceae family.

Parent Product

1231 - Pollens - Weeds and Garden Plants, Saltbush, Annual Atriplex wrightii

Published Data

Panel I (pg 3137) reported on a Sellers and Adamson (Ref. 122) study where patients with amaranth pollen hay fever had positive skin tests results. The study also described positive passive transfer tests with sera from all patients tested.

In PMID: 2581481, positive skin tests results for unheated and heated A. latifolia pollen extracts were found in 91 mm ± 56 mm and 25 mm ± 20 mm, respectively. Based on RAST inhibition studies it was determined that common allergenic determinants were present in extracts from A. latifolia, B. vulgaris, S. kali, and A. retroflexus.

PMID: 16264339 states that "Review of the earlier literature concerning cross-allergenicity within the superorder Caryophyllanae, especially between chenopod and amaranth weeds, shows almost complete allergenic identity among the Amaranthus species redroot, pigweed, Palmer's amaranth, and among Atriplex scales." and "a single Atriplex species is adequate for testing."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1231_ Ann Allergy 54 - 430.pdf	2581481	Lombardero, M.	1985
1231_ Curr Opin Allergy Clin Immunol 5-563.pdf	16264339	Weber, R.W.	2005

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: 1232 - Pollens - Weeds and Garden Plants, Saltbush-Scale

Manufacturers of this Product

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

Search Strategy

PubMed and Google: No search performed since species was not defined.

Nomenclature

According to ITIS, over 100 plants are commonly called 'saltbush'. The scientific and common names need to be updated.

Parent Product

1232 - Pollens - Weeds and Garden Plants, Saltbush-Scale

Published Data

Since there are numerous saltbush plants in the genus Atriplex, a review could not be conducted.

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: 1233 - Pollens - Weeds and Garden Plants, Scabious Scabiosa atropurppurea

Recommended Common Name Mourningbride

Recommended Scientific Name Scabiosa atropurpurea

Manufacturers of this Product

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

Search Strategy

PubMed: Scabious and allergy; scabiosa and morning bride and allergenic extract and innumotherapy; scabiosa and allergen and diagnosis and immunotherapy

Google: scabious pollen allergy; scabious pollen allergy adverse; scabious pollen allergen; scabious pollen allergen adverse; same search results performed for Scabiosa atropurpurea

Nomenclature

According to ITIS, the correct spelling of Scabiosa atropurppurea is Scabiosa atropurpurea (TSN 35410). The common name is listed as mourningbride. Scabious is not listed as a common name. The scientific and common names need to be updated. The Scabiosa genus is found in the Dipsacaceae family.

Parent Product

1233 - Pollens - Weeds and Garden Plants, Scabious Scabiosa atropurppurea

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: 1234 - Pollens - Weeds and Garden Plants, Scale, All Atriplex polycarpa

Recommended Common Name Saltbush, Cattle

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: atriplex, atriplex polycarpa, saltbush, (+ allergy + allergen, + cross-reactivity, + diagnosis, + spt, + immunotherapy).

Google: atriplex, atriplex polycarpa, saltbush, (+ allergy, + allergen, + cross-reactivity, + diagnosis, + spt, + immunotherapy).

Nomenclature

According to ITIS, the scientific name is Atriplex polycarpa (TSN 20559). The common names are Cattle saltbush and desert saltbush. Scale is not listed as a common name. The scientific name is correct and current. The common name needs to be updated. No synonyms are listed. The Atriplex genus is found in the Chenopodiaceae family.

Parent Product

1058 - Pollens - Weeds and Garden Plants, Allscale Atriplex polycarpa

Related Products

1234 - Pollens - Weeds and Garden Plants, Scale, All Atriplex polycarpa

Published Data

Cross-reactivity among the different individual species of the genus could be expected, as well as a certain degree within the family Chenopodiaceae (Goosefoot, PMID:16264339, 11725603, 12897724).

PMID: 2581481: Atriplex latifolia (saltbush) extract compared in vitro and in vivo methods in a study with Chenopodium album. Skin prick tests on 20 C album-sensitive patients were positive with all extracts. RAST inhibition indicates that common allergenic determinants are present. Cross-reactivity was seen between C. album and A. latifolia.

In several papers, A. latifolia is proven to be cross-reactive with other Atriplex species (wingscale, allscale, and lenscale) suggesting some degree of cross-reactivity within the genus.

An abstract published in the J Allergy Clin Immunol in 1979 (volume 61 page 172): C. album compared for cross-reactivity and cross-allergenicity by skin testing in allergic patients, RAST inhibition and Ouchterlony with rabbit antisera against allergen extracts. C. album was most similar to the Atriplex, allscale, lenscale, wingscale and saltbush.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1234_ Curr Opin Allergy Clin Immunol 5-563.pdf	16264339	Weber, R.W.	2005
1136_ Ann Allergy 54 - 430.pdf	2581481	Lombardero, M.	1985
1234_ J Allergy Clin Immunol 61-172.pdf	--	Weber, R.W.	1978
1234_ Clin Rev Allergy 21-153.pdf	11725603	Weber, R.W.	2001
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: 1235 - Pollens - Weeds and Garden Plants, Scale, Bract Atriplex serenana

Recommended Common Name Bractscale

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: atriplex serenana, atriplex, bractscale, saltweed (+ pollen, allergy, allergen)

Google: atriplex serenana, atriplex, bractscale, saltweed (+ pollen, allergy, allergen)

Nomenclature

According to ITIS, the scientific name is Atriplex serenana (TSN 20566). The common names are bracted saltweed and bractscale. Bract scale is not listed as a common name. The scientific name is correct and current. The common name needs to be updated. No synonyms are listed. Two varieties of A. serenana are listed: davidsonii and serenana. The Atriplex genus is found in the Chenopodiaceae family.

Parent Product

1235 - Pollens - Weeds and Garden Plants, Scale, Bract Atriplex serenana

Published Data

In PMID: 2581481 Atriplex latifolia (saltbush) extract compared in a study with Chenopodium album by both in vitro and in vivo methods. Skin prick tests on 20C. album-sensitive patients were positive with all extracts. RAST inhibition indicates that common allergenic determinants are present. Cross-reactivity was seen between C. album and A. latifolia.

PMID: 16264339 states that 'Review of the earlier literature concerning cross-allergenicity within the superorder Caryophyllanae, especially between chenopod and amaranth weeds, shows almost complete allergenic identity among the Amaranthus species redroot, pigweed, Palmer's amaranth, and among Atriplex scales.' and 'a single Atriplex species is adequate for testing.'

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1136_ Ann Allergy 54 - 430.pdf	2581481	Lombardero, M.	1985
1234_ Curr Opin Allergy Clin Immunol 5-563.pdf	16264339	Weber, R.W.	2005

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: 1236 - Pollens - Weeds and Garden Plants, Scale, Brewers Atriplex lentiformis breweri

Recommended Common Name Quailbush

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: Atriplex lentiformis, breweri, saltbush, quailbush (+ pollen, + allergy, + allergen)

Google: Atriplex lentiformis, breweri, saltbush, quailbush (+ pollen, + allergy, + allergen)

Nomenclature

According to ITIS, the scientific name is Atriplex lentiformis ssp. breweri (TSN 192255). The common name is quailbush. Brewers scale is not listed as a common name. The scientific name is correct and current. The common name needs to be updated. Two subspecies of A. lentiformis are listed: breweri and lentiformis. The Atriplex genus is found in the Chenopodiaceae family.

Parent Product

1136 - Pollens - Weeds and Garden Plants, Lenscale Quailbrush Atriplex lentiformis

Related Products

1236 - Pollens - Weeds and Garden Plants, Scale, Brewers Atriplex lentiformis breweri

1237 - Pollens - Weeds and Garden Plants, Scale, Lens Atriplex lentiformis

Published Data

Panel I (pg 3139) discussed genus -Atriplex, including species Atriplex lentiformis. According to Ref. 142, species within genus have antigenic similarity. Ref. 151 mentioned that there is antigenic similarity between Chenopods and Amaranths.

PMID 2581481: Extracts from Atriplex latifolia, Beta vulgaris, Salsola kali and Amaranthus retroflexus were compared with an extract from Chenopodium album using both in vivo and in vitro methods. It is suggested that the presence of common allergenic determinants exist. This implied that A. latifolia is cross-reactive with A. lentiformi.

PMID 12897724: Strong cross-allergenicity exists between Atriplex and other members of the Amaranthacea family.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1136_ Ann Allergy 54 - 430.pdf	2581481	Lombardero, M.	1985
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: 1237 - Pollens - Weeds and Garden Plants, Scale, Lens Atriplex lentiformis

Recommended Common Name Quailbush

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: Atriplex lentiformis, atriplex, big saltbush, quailbush (+ pollen, allergy, allergen).

Google: Atriplex lentiformis, atriplex, big saltbush, quailbush (+ pollen, allergy, allergen).

Nomenclature

According to ITIS, the scientific name is Atriplex lentiformis (TSN 20543). The common names are big saltbush and quailbush. Lens scale is not listed as a common name. Brewers scale is not listed as a common name. The scientific name is correct and current. The common name needs to be updated. Two subspecies of A. lentiformis are listed: breweri and lentiformis. The Atriplex genus is found in the Chemopodiaceae family.

Parent Product

1136 - Pollens - Weeds and Garden Plants, Lenscale Quailbrush Atriplex lentiformis

Related Products

1236 - Pollens - Weeds and Garden Plants, Scale, Brewers Atriplex lentiformis breweri

1237 - Pollens - Weeds and Garden Plants, Scale, Lens Atriplex lentiformis

Published Data

Panel I (pg 3139) discussed genus - Atriplex, including species Atriplex lentiformis. According to Ref. 142, species within genus have antigenic similarity. Ref. 151 mentioned that there is antigenic similarity between Chenopods and Amaranths.

PMID 2581481: Extracts from Atriplex latifolia, Beta vulgaris, Salsola kali and Amaranthus retroflexus were compared with an extract from Chenopodium album using both in vivo and in vitro methods. It is suggested that the presence of common allergenic determinants exist. This implied that A. latifolia is cross-reactive with A. lentiformi.

PMID 12897724: Strong cross-allergenicity exists between Atriplex and other members of the Amaranthacea family.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1136_ Ann Allergy 54 - 430.pdf	2581481	Lombardero, M.	1985
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: 1238 - Pollens - Weeds and Garden Plants, Scale, Line Atriplex linearis

Recommended Common Name Saltbush, thinleaf fourwing

Recommended Scientific Name Atriplex canescens var. linearis

Manufacturers of this Product

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

Search Strategy

PubMed; Atriplex, A. linearis

Google: Atriplex, A. linearis

Nomenclature

According to ITIS, the current name of Atriplex linearis is Atriplex canescens var. linearis (TSN 566198). The common name is thinleaf fourwing saltbush. Line scale is not listed as a common name. The scientific and common names need to be updated. Atriplex canescens ssp. linearis and Atriplex linearis are listed as synonyms. The Atriplex genus is found in the Chemopodiaceae family.

Parent Product

1238 - Pollens - Weeds and Garden Plants, Scale, Line Atriplex linearis

Published Data

According to references 43, 44, 45, 64, and 151, in the Panel I (pg 3139) report, the plants of this genus may produce large amounts of airborne pollen from early spring to late summer and may cause hay fever. According to Ref. 142, species within this genus have antigenic similarity. Ref. 151 mentioned that there is antigenic similarity between chenopods and amaranths.

PMID 2581481, Extracts from Atriplex latifolia, Beta vulgaris, Salsola kali and Amaranthus retroflexus were compared with an extract from Chenopodium album using both in vivo and in vitro methods. It is suggested that the presence of common allergenic determinants exist. This implied that A. latifolia is cross-reactive with A. lentiformi.

PMID: 16264339 states that 'Review of the earlier literature concerning cross-allergenicity within the superorder Caryophyllanae, especially between chenopod and amaranth weeds, shows almost complete allergenic identity among the Amaranthus species redroot, pigweed, Palmer's amaranth, and among Atriplex scales.' and 'a single Atriplex species is adequate for testing'.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1136_ Ann Allergy 54 - 430.pdf	2581481	Lombardero, M.	1985
1234_ Curr Opin Allergy Clin Immunol 5-563.pdf	16264339	Weber, R.W.	2005

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: 1239 - Pollens - Weeds and Garden Plants, Scale, Pacific Atriplex pacifica

Recommended Common Name Saltbush, Davidson's

Manufacturers of this Product

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

Search Strategy

PubMed: Atriplex pacifica, atriplex, saltbush, Davidson's saltbush (+ pollen, allergy, allergen).

Google: Atriplex pacifica, atriplex, saltbush, Davidson's saltbush (+ pollen, allergy, allergen).

Nomenclature

According to ITIS, the scientific name is Atriplex pacifica (TSN 20553). The common name is Davidson's saltbush. Pacific scale is not listed as a common name. The scientific name is correct and current. The common name needs to be updated. The Atriplex genus is found in the Chemopodiaceae family.

Parent Product

1239 - Pollens - Weeds and Garden Plants, Scale, Pacific Atriplex pacifica

Published Data

The Panel 1 (pg 3139) discussed genus Atriplex, including species Atriplex lentiformis. According to references 43, 44, 45, 64, and 151 the plants of this genus may produce large amounts of airborne pollen from early spring to late summer and may cause hay fever. According to Ref. 142, species within this genus have antigenic similarity. Ref. 151 mentioned that there is antigenic similarity between chenopods and amaranths.

In PMID: 2581481, positive skin tests results for unheated and heated A. latifolia pollen extracts were found in 91 mm ± 56 mm and 25 mm ± 20 mm, respectively. Based on RAST inhibition studies it was determined that common allergenic determinants were present in extracts from A. latifolia, B. vulgaris, S. kali, and A. retroflexus.

PMID: 16264339 states that 'Review of the earlier literature concerning cross-allergenicity within the superorder Caryophyllanae, especially between chenopod and amaranth weeds, shows almost complete allergenic identity among the Amaranthus species redroot, pigweed, Palmer's amaranth, and among Atriplex scales.' and 'a single Atriplex species is adequate for testing'.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1136_ Ann Allergy 54 - 430.pdf	2581481	Lombardero, M.	1985
1234_ Curr Opin Allergy Clin Immunol 5-563.pdf	16264339	Weber, R.W.	2005

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: 1240 - Pollens - Weeds and Garden Plants, Scale, Red Atriplex rosea

Recommended Common Name Saltbush, Redscale

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: Atriplex rosea, atriplex, redscale, saltweed, redscale saltweed, redscale saltbush (+ pollen, allergy, allergen, cross-reactivity).

Google: Atriplex rosea, atriplex, redscale, saltweed, redscale saltweed, redscale saltbush (+ pollen, allergy, allergen, cross-reactivity).

Nomenclature

According to ITIS, the scientific name is Atriplex rosea (TSN 20563). The common names are rescale saltbush, redscale saltweed, tumbling orache, and tumbling saltweed. Red scale is not listed as a common name. The scientific name is correct and current. The common name needs to be updated. The Atriplex genus is found in the Chemopodiaceae family.

Parent Product

1240 - Pollens - Weeds and Garden Plants, Scale, Red Atriplex rosea

Published Data

The Panel 1 (pg 3139) discussed genus Atriplex, including species Atriplex lentiformis. According to references 43, 44, 45, 64, and 151 the plants of this genus may produce large amounts of airborne pollen from early spring to late summer and may cause hay fever. According to Ref. 142, species within this genus have antigenic similarity. Ref. 151 mentioned that there is antigenic similarity between chenopods and amaranths.

In PMID: 2581481, positive skin tests results for unheated and heated A. latifolia pollen extracts were found in 91 mm ± 56 mm and 25 mm ± 20 mm, respectively. Based on RAST inhibition studies it was determined that common allergenic determinants were present in extracts from A. latifolia, B. vulgaris, S. kali, and A. retroflexus.

PMID: 16264339 states that 'Review of the earlier literature concerning cross-allergenicity within the superorder Caryophyllanae, especially between chenopod and amaranth weeds, shows almost complete allergenic identity among the Amaranthus species redroot, pigweed, Palmer's amaranth, and among Atriplex scales.' and 'a single Atriplex species is adequate for testing'.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1136_ Ann Allergy 54 - 430.pdf	2581481	Lombardero, M.	1985
1234_ Curr Opin Allergy Clin Immunol 5-563.pdf	16264339	Weber, R.W.	2005

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: 1241 - Pollens - Weeds and Garden Plants, Scale, Shade Atriplex confertifolia

Recommended Common Name Shadscale

Manufacturers of this Product

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

Search Strategy

PubMed: Atriplex, Atriplex confertifolia, Shadscale, Atriplex collina, Atriplex jonesii, Atriplex subconferta (+ pollen, + allergen, + allergy, + cross-reactivity)

Google: Atriplex, Atriplex confertifolia, Shadscale, Atriplex collina, Atriplex jonesii, Atriplex subconferta (+ pollen, + allergen, + allergy, + cross-reactivity)

Nomenclature

According to ITIS, the scientific name is Atriplex confertifolia (TSN 20519). The common names are shadscale, shadscale saltbush, and spiny saltbush. Shade scale is not listed as a common name. The scientific name is correct and current. The common name needs to be updated. Atriplex collina, A. ionessii, and A. subconferta are listed as synonyms. The Atriplex genus is found in the Chenopodiaceae family.

Parent Product

1252 - Pollens - Weeds and Garden Plants, Shadscale Atriplex confertifolia

Related Products

1241 - Pollens - Weeds and Garden Plants, Scale, Shade Atriplex confertifolia

1253 - Pollens - Weeds and Garden Plants, Sheep Fat Atriplex confertifolia

Published Data

The Panel 1 (pg 3139) discussed genus Atriplex, including species Atriplex lentiformis. According to references 43, 44, 45, 64, and 151 the plants of this genus may produce large amounts of airborne pollen from early spring to late summer and may cause hay fever. According to Ref. 142, species within this genus have antigenic similarity. Ref. 151 mentioned that there is antigenic similarity between chenopods and amaranths.

In PMID: 2581481 extracts from Atriplex latifolia, Beta vulgaris, Salsola kali and Amaranthus retroflexus were compared with an extract from Chenopodium album using both in vivo and in vitro methods. It is suggested that the presence of common allergenic determinants exist. This implied that A. latifolia is cross-reactive with A. lentiformi.

PMID: 16264339 states that 'Review of the earlier literature concerning cross-allergenicity within the superorder Caryophyllanae, especially between chenopod and amaranth weeds, shows almost complete allergenic identity among the Amaranthus species redroot, pigweed, Palmer's amaranth, and among Atriplex scales.' and 'a single Atriplex species is adequate for testing'.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1136_ Ann Allergy 54 - 430.pdf	2581481	Lombardero, M.	1985
1234_ Curr Opin Allergy Clin Immunol 5-563.pdf	16264339	Weber, R.W.	2005

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: 1242 - Pollens - Weeds and Garden Plants, Scale, Silver (Fogweed) Atriplex argentea expansa

Recommended Common Name Saltbush, Silverscale

Manufacturers of this Product

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

Search Strategy

PubMed: Silverscale, Atriplex, Atriplex argentea, Atriplex expansa, (+ pollen, allergen, allergy, diagnosis, cross-reactivity).

Google: Silverscale, Atriplex, Atriplex argentea, Atriplex expansa, (+ pollen, allergen, allergy, diagnosis, cross-reactivity).

Nomenclature

According to ITIS, the scientific name is Atriplex argentea expansa (TSN 20514). The common names are silverscale and silverscale saltbush. Fogweed silver scale is not listed as a common name. The scientific name is correct and current. The common name needs to be updated. Atriplex argentea var. mohavensis, A. expansa, and A. expansa var. monhavensis are listed as synonyms. The Atriplex genus is found in the Chemopodiaceae family.

Parent Product

1242 - Pollens - Weeds and Garden Plants, Scale, Silver (Fogweed) Atriplex argentea expansa

Published Data

The Panel 1 (pg 3139) discussed genus Atriplex, including species Atriplex lentiformis. According to references 43, 44, 45, 64, and 151 the plants of this genus may produce large amounts of airborne pollen from early spring to late summer and may cause hay fever. According to Ref. 142, species within this genus have antigenic similarity. Ref. 151 mentioned that there is antigenic similarity between chenopods and amaranths.

In PMID: 2581481, positive skin tests results for unheated and heated A. latifolia pollen extracts were found in 91 mm ± 56 mm and 25 mm ± 20 mm, respectively. Based on RAST inhibition studies it was determined that common allergenic determinants were present in extracts from A. latifolia, B. vulgaris, S. kali, and A. retroflexus.

PMID: 16264339 states that 'Review of the earlier literature concerning cross-allergenicity within the superorder Caryophyllanae, especially between chenopod and amaranth weeds, shows almost complete allergenic identity among the Amaranthus species redroot, pigweed, Palmer's amaranth, and among Atriplex scales.' and 'a single Atriplex species is adequate for testing'.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1136_ Ann Allergy 54 - 430.pdf	2581481	Lombardero, M.	1985
1234_ Curr Opin Allergy Clin Immunol 5-563.pdf	16264339	Weber, R.W.	2005

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: 1243 - Pollens - Weeds and Garden Plants, Scale, Spear Atriplex patula hastata

Recommended Common Name Orache, Hastae

Recommended Scientific Name Atriplex prostrata

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)

Search Strategy

PubMed: Atriplex, Atriplex patula, Atriplex hastata, Atriplex prostrata, Spear saltweed (+ pollen, allergy, allergen, cross-reactivity).

Google: Atriplex, Atriplex patula, Atriplex hastata, Atriplex prostrata, Spear saltweed (+ pollen, allergy, allergen, cross-reactivity).

Nomenclature

According to ITIS, the correct scientific name for Atriplex patula hastata is Atriplex prostrata (TSN 192279). Common names are hastae orache and triangle orache. Spear scale is not listed as common name. The scientific and common names need to be updated. Synonyms are Atriplex hastate, A. latifolia, A. patula ssp. hastate, A. patula var. hastate, A. patula var. triangularis, A. prostrate var. triangularis, and A. triangularis. The Atriplex genus is found in the Chemopodiaceae family.

Parent Product

1243 - Pollens - Weeds and Garden Plants, Scale, Spear Atriplex patula hastata

Published Data

The Panel 1 (pg 3139) discussed genus Atriplex, including species Atriplex lentiformis. According to references 43, 44, 45, 64, and 151 the plants of this genus may produce large amounts of airborne pollen from early spring to late summer and may cause hay fever. According to Ref. 142, species within this genus have antigenic similarity. Ref. 151 mentioned that there is antigenic similarity between chenopods and amaranths.

In PMID: 2581481, positive skin tests results for unheated and heated A. latifolia pollen extracts were found in 91 mm ± 56 mm and 25 mm ± 20 mm, respectively. Based on RAST inhibition studies it was determined that common allergenic determinants were present in extracts from A. latifolia, B. vulgaris, S. kali, and A. retroflexus.

PMID: 16264339 states that 'Review of the earlier literature concerning cross-allergenicity within the superorder Caryophyllanae, especially between chenopod and amaranth weeds, shows almost complete allergenic identity among the Amaranthus species redroot, pigweed, Palmer's amaranth, and among Atriplex scales.' and 'a single Atriplex species is adequate for testing.'

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1136_ Ann Allergy 54 - 430.pdf	2581481	Lombardero, M.	1985
1234_ Curr Opin Allergy Clin Immunol 5-563.pdf	16264339	Weber, R.W.	2005

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: 1244 - Pollens - Weeds and Garden Plants, Scale, Wing (Shad) Atriplex canescens

Recommended Common Name Saltbush, Fourwing

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)
- 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: Atriplex, A. canescens, Wingscale, (+ allergy, allergen, pollen, cross-reactivity)
Google: Atriplex, A. canescens, Wingscale, (+ allergy, allergen, pollen, cross-reactivity)

Nomenclature

According to ITIS, the scientific name of Atriplex canescens (TSN 20518). The common name is fourwing saltbush. Shad wing scale is not listed as a common name. The scientific name is correct and current. The common name needs to be updated. Six varieties of A. canescens are listed: angustifolia, canescens, gigantean, laciniata, linearis, and macilenta. The Atriplex genus is found in the Chenopodiaceae family.

Parent Product

1244 - Pollens - Weeds and Garden Plants, Scale, Wing (Shad) Atriplex canescens

Related Products

1266 - Pollens - Weeds and Garden Plants, Wingscale Atriplex canescens

Published Data

The Panel 1 (pg 3139) discussed genus Atriplex, including species Atriplex lentiformis. According to references 43, 44, 45, 64, and 151 the plants of this genus may produce large amounts of airborne pollen from early spring to late summer and may cause hay fever. According to Ref. 142, species within this genus have antigenic similarity. Ref. 151 mentioned that there is antigenic similarity between chenopods and amaranths.

In PMID: 2581481, positive skin tests results for unheated and heated A. latifolia pollen extracts were found in 91 mm ± 56 mm and 25 mm ± 20 mm, respectively. Based on RAST inhibition studies it was determined that common allergenic determinants were present in extracts from A. latifolia, B. vulgaris, S. kali, and A. retroflexus.

PMID: 16264339 states that 'Review of the earlier literature concerning cross-allergenicity within the superorder Caryophyllanae, especially between chenopod and amaranth weeds, shows almost complete allergenic identity among the Amaranthus species redroot, pigweed, Palmer's amaranth, and among Atriplex scales.' and 'a single Atriplex species is adequate for testing'.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1136_ Ann Allergy 54 - 430.pdf	2581481	Lombardero, M.	1985
1234_ Curr Opin Allergy Clin Immunol 5-563.pdf	16264339	Weber, R.W.	2005

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: 1245 - Pollens - Weeds and Garden Plants, Scotch Broom Cytisus scoparius

Manufacturers of this Product

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

Search Strategy

Google: scotch broom and English broom

PubMed: scotch broom and allergen and immunotherapy; cytisis scoparius

Nomenclature

According to ITIS, the scientific name is Cytisus scoparius (TSN 501966). Common names are English broom, Scotch broom, and scotchbroom. The scientific and common names are correct and current. Synonym is Sarothamnus scoparius. Two varieties of C. scoparius are listed: andreanus and scoparius. The Cytisus genus is found in the Fabaceae genus.

Parent Product

1245 - Pollens - Weeds and Garden Plants, Scotch Broom Cytisus scoparius

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: 1246 - Pollens - Weeds and Garden Plants, Sea Blite Suaeda occidentalis

Recommended Common Name Paiuteweed

Recommended Scientific Name Suaeda calceoliformis

Manufacturers of this Product

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

Search Strategy

PubMed: Sea Blite and allergy and diagnosis; Suaeda occidentalis,

Google: Sea Blite allergy; Sea Blite allergy adverse; Sea Blite allergen; Sea Blite allergen adverse; same search results performed for Suaeda occidentalis

Nomenclature

According to ITIS, the correct scientific name of Suaeda occidentalis is Suaeda calceoliformis (TSN 505402). Common names are Paiuteweed, Pursh seepweed, and western seepweed. Blite sea is not listed as a common name. The scientific and common names need to be updated. Synonyms are Dondia depressa, Schoberia occidentalis, Suaeda Americana, S. depressa, S. depressa var. erecta, S. maritime var. Americana, S. minutiflora, and S. occidentalis. The Suaeda genus is found in the Chenopodiaceae family.

Parent Product

1246 - Pollens - Weeds and Garden Plants, Sea Blite Suaeda 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: 1247 - Pollens - Weeds and Garden Plants, Sea Blite, Alkali Suaeda fruticosa

Recommended Common Name Seepweed, Alkali

Recommended Scientific Name Suaeda moguinii

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: Sea Bite and allergen; sea bite suaeda occidentalis; Seepweed; purshweedand allergen; Chenopodiaceae and allergen and immunotherapy and diagnosis; Sea Bite Suaeda fruticosa and allergen. Chenopodiaceae; and allergen and diagnosis. Seepweed and allergen and diagnosis

Google: Sea Blite allergy; Sea Blite allergy adverse; Sea Blite allergen; Sea Blite allergen adverse; same search results performed for Suaeda fruticosa

Nomenclature

According to ITIS, the current name of Suaeda fruticosa is Suaeda moguinii (TSN 505404). Common names are alkali seepweed, Mojave seablite, shrubby seepweed, and Torrey seepweed. Alkali sea blite is not listed as a common name. The scientific and common names need to be updated. Synonyms are Dondia fruticosa, Suaeda fruticosa, S. intermedia, S. nigra, S. ramosissima, S. torreyana, and S. torreyana var. ramosissima. The Suaeda genus is found in the Chenopodiaceae family.

Parent Product

1247 - Pollens - Weeds and Garden Plants, Sea Blite, Alkali Suaeda fruticosa

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: 1249 - Pollens - Weeds and Garden Plants, Sea Blite, California Suaeda californica

Manufacturers of this Product

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

Search Strategy

PubMed: Suaeda and allergen and diagnosis and skin prick test. Goosefoot and allergen and diagnosis and skin prick test.
Google: Sea Blite allergy; Sea Blite allergy adverse; Sea Blite allergen; Sea Blite allergen adverse; same search results performed for Suaeda californica

Nomenclature

According to ITIS, the scientific name is Suaeda californica (TSN 20664). Common names are California seablite and Seablite, California. The scientific and common names are correct and current. The Suaeda genus is found in the Chenopodiaceae family.

Parent Product

1249 - Pollens - Weeds and Garden Plants, Sea Blite, California Suaeda californica

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: 1250 - Pollens - Weeds and Garden Plants, Sea Blite, Desert Suaeda suffrutescens

Recommended Common Name Seepweed, Desert

Manufacturers of this Product

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

Search Strategy

PubMed: Desert seepweed and allergen and immunotherapy; Suaeda suffrutescens and allergy.

Google: Sea Blite allergy; Sea Blite allergy adverse; Sea Blite allergen; Sea Blite allergen adverse; same search results performed for Suaeda suffrutescens

Nomenclature

According to ITIS, the scientific name is Suaeda suffrutescens (TSN 20673). Common names are desert seepweed and seepweed (desert). Desert sea blite is not listed as a common name. The scientific name is correct and current. The common name needs to be updated. Two varieties of S. suffrutescens are listed: detonsa and suffrutescens. The Suaeda genus is found in the Chenopodiaceae family.

Parent Product

1250 - Pollens - Weeds and Garden Plants, Sea Blite, Desert Suaeda suffrutescens

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: 1251 - Pollens - Weeds and Garden Plants, Sedge Carex barbarae

Recommended Common Name Sedge, Santa Barbara

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: Sedge and allergen and diagnosis Carex and allergen and diagnosis
Google: sedge pollen allergy; sedge pollen allergy adverse; sedge pollen allergen; sedge pollen allergen adverse; same search results performed for Carex barbarae

Nomenclature

According to ITIS, the scientific name is Carex barbarae (TSN 39517). The common name is Santa Barbara sedge. Sedge is not listed as a common name. The scientific name is correct and current. The common name needs to be updated. The Carex genus is found in the Cyperaceae family.

Parent Product

1251 - Pollens - Weeds and Garden Plants, Sedge Carex barbarae

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: 1252 - Pollens - Weeds and Garden Plants, Shadscale *Atriplex confertifolia*

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: *Atriplex*, *Atriplex confertifolia*, Shadscale, *Atriplex collina*, *Atriplex jonesii*, *Atriplex subconferta* (+ pollen, allergen, allergy, cross-reactivity)

Google: *Atriplex*, *Atriplex confertifolia*, Shadscale, *Atriplex collina*, *Atriplex jonesii*, *Atriplex subconferta* (+ pollen, allergen, allergy, cross-reactivity)

Nomenclature

According to ITIS, the scientific name is *Atriplex confertifolia* (TSN 20519). The common names are shadscale, shadscale saltbush, and spiny saltbush. The scientific and common names are correct and current. Synonyms are *Atriplex collina*, *A. jonesii*, and *A. subconferta*. The *Atriplex* genus is found in the *Chemopodiaceae* family.

Parent Product

1252 - Pollens - Weeds and Garden Plants, Shadscale *Atriplex confertifolia*

Related Products

1241 - Pollens - Weeds and Garden Plants, Scale, Shade *Atriplex confertifolia*

1253 - Pollens - Weeds and Garden Plants, Sheep Fat *Atriplex confertifolia*

Published Data

The Panel 1 (pg 3139) discussed genus *Atriplex*, including species *Atriplex lentiformis*. According to references 43, 44, 45, 64, and 151 the plants of this genus may produce large amounts of airborne pollen from early spring to late summer and may cause hay fever. According to Ref. 142, species within this genus have antigenic similarity. Ref. 151 mentioned that there is antigenic similarity between chenopods and amaranths.

In PMID: 2581481 extracts from *Atriplex latifolia*, *Beta vulgaris*, *Salsola kali* and *Amaranthus retroflexus* were compared with an extract from *Chenopodium album* using both in vivo and in vitro methods. It is suggested that the presence of common allergenic determinants exist. This implied that *A. latifolia* is cross-reactive with *A. lentiformis*.

PMID: 16264339 states that 'Review of the earlier literature concerning cross-allergenicity within the superorder Caryophyllanae, especially between chenopod and amaranth weeds, shows almost complete allergenic identity among the *Amaranthus* species redroot, pigweed, Palmer's amaranth, and among *Atriplex* scales.' and 'a single *Atriplex* species is adequate for testing'.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1234_Curr Opin Allergy Clin Immunol 5-563.pdf	16264339	Weber, R.W.	2005
1136_Ann Allergy 54 - 430.pdf	2581481	Lombardero, M.	1985

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: 1253 - Pollens - Weeds and Garden Plants, Sheep Fat Atriplex confertifolia

Recommended Common Name Shadscale

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

Search Strategy

PubMed: Atriplex, Atriplex confertifolia, Shadscale, Atriplex collina, Atriplex jonesii, Atriplex subconferta (+ pollen, allergen, allergy, cross-reactivity)
Google: Atriplex, Atriplex confertifolia, Shadscale, Atriplex collina, Atriplex jonesii, Atriplex subconferta (+ pollen, allergen, allergy, cross-reactivity)

Nomenclature

According to ITIS, the scientific name is Atriplex confertifolia (TSN 20519). The common names are shadscale, shadscale saltbush, and spiny saltbush. Sheep fat is not listed as a common name. The scientific name is correct and current. The common name needs to be updated. Atriplex collina, A. jonesii, and A. subconferta are listed as synonyms. The Atriplex genus is found in the Chenopodiaceae family.

Parent Product

1252 - Pollens - Weeds and Garden Plants, Shadscale Atriplex confertifolia

Related Products

- 1241 - Pollens - Weeds and Garden Plants, Scale, Shade Atriplex confertifolia
- 1253 - Pollens - Weeds and Garden Plants, Sheep Fat Atriplex confertifolia

Published Data

The Panel 1 (pg 3139) discussed genus Atriplex, including species Atriplex lentiformis. According to references 43, 44, 45, 64, and 151 the plants of this genus may produce large amounts of airborne pollen from early spring to late summer and may cause hay fever. According to Ref. 142, species within this genus have antigenic similarity. Ref. 151 mentioned that there is antigenic similarity between chenopods and amaranths.

In PMID: 2581481 extracts from Atriplex latifolia, Beta vulgaris, Salsola kali and Amaranthus retroflexus were compared with an extract from Chenopodium album using both in vivo and in vitro methods. It is suggested that the presence of common allergenic determinants exist. This implied that A. latifolia is cross-reactive with A. lentiformi.

PMID: 16264339 states that 'Review of the earlier literature concerning cross-allergenicity within the superorder Caryophyllanae, especially between chenopod and amaranth weeds, shows almost complete allergenic identity among the Amaranthus species redroot, pigweed, Palmer's amaranth, and among Atriplex scales.' and 'a single Atriplex species is adequate for testing'.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1234_ Curr Opin Allergy Clin Immunol 5-563.pdf	16264339	Weber, R.W.	2005
1136_ Ann Allergy 54 - 430.pdf	2581481	Lombardero, M.	1985

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: 1254 - Pollens - Weeds and Garden Plants, Sheep Sorrel Rumex acetosella

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: Rumex acetosella; common sheep sorrel
Google: sheep sorrel allergy; sheep sorrel allergy adverse; sheep sorrel allergen; sheep sorrel allergen adverse; same search results performed for Rumex acetosella

Nomenclature

According to the ITIS, the scientific name is Rumex acetosella (TSN 20934). Common names for Rumex acetosella are common sheep sorrel, field sorrel, red (or sheep) sorrel, red sorrel, and sheep sorrel. The scientific and common names are correct and current. Rumex acetosella has 8 synonymns. These synonymns are Acetosella acetosella (L.), Acetosella tenuifolia, Acetosella vulgaris, Rumex acetosella ssp. Angiocarpus, Rumex acetosella var. pyrenaeus, Rumex acetosella var. tenuifolius, Rumex angiocarpus, and Rumex tenuifolius. The Rumex genus is found in the Polygonaceae family.

Parent Product

1254 - Pollens - Weeds and Garden Plants, Sheep Sorrel Rumex acetosella

Related Products

1106 - Pollens - Weeds and Garden Plants, Dock, Sour or Sheep Sorrel Rumex acetosella

Published Data

The Panel I (pg 3141) found only one report for diagnosis of Rumex acetosella. The panel did not find any controlled studies for immunotherapy.

In PMID: 5254400 three hundred and sixty-seven individuals were positive for Rumex extract. More than half reacted to a nasal provocative test.

In PMID: 9542605 Rumex crispus extract was found as an aeroallergen using immunoelectrophoresis and ELISA. No data were provided to support diagnosis using R. crispus extract.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1106_ J.Allergy44 25-36.pdf	5254400	Solomon, W.R.	1969
1106_ Allergy53-255-265.pdf	9542605	Kwaasi, A.A.	1998

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: 1255 - Pollens - Weeds and Garden Plants, Silverscale Atriplex argentea

Manufacturers of this Product

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

Search Strategy

PubMed: Silverscale, Atriplex, Atriplex argentea, Atriplex expansa (+ pollen, allergen, allergy, diagnosis, cross-reactivity)
Google: Silverscale, Atriplex, Atriplex argentea, Atriplex expansa (+ pollen, allergen, allergy, diagnosis, cross-reactivity)

Nomenclature

According to ITIS, the scientific name is Atriplex argentea (TSN 20512). Common names are silverscale, silverscale saltbush, and silverscale saltweed. The scientific and common names are correct and current. Three varieties of A. argentea are listed: argentea, caput-medusae, and hillmanii. Two subspecies are listed: argentea and expansa. The Atriplex genus is found in the Chenopodiaceae family.

Parent Product

1255 - Pollens - Weeds and Garden Plants, Silverscale Atriplex argentea

Published Data

The Panel 1 (pg 3139) discussed genus - Atriplex, including species Atriplex lentiformis. According to references 43, 44, 45, 64, and 151 the plants of this genus may produce large amounts of airborne pollen from early spring to late summer and may cause hay fever. According to Ref. 142, species within this genus have antigenic similarity. Ref. 151 mentioned that there is antigenic similarity between chenopods and amaranths.

In PMID: 2581481 extracts from Atriplex latifolia, Beta vulgaris, Salsola kali and Amaranthus retroflexus were compared with an extract from Chenopodium album using both in vivo and in vitro methods. It is suggested that the presence of common allergenic determinants exist. This implied that A. latifolia is cross-reactive with A. lentiformi.

PMID: 16264339 states that 'Review of the earlier literature concerning cross-allergenicity within the superorder Caryophyllanae, especially between chenopod and amaranth weeds, shows almost complete allergenic identity among the Amaranthus species redroot, pigweed, Palmer's amaranth, and among Atriplex scales.' and 'a single Atriplex species is adequate for testing'.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1234_ Curr Opin Allergy Clin Immunol 5-563.pdf	16264339	Weber, R.W.	2005
1136_ Ann Allergy 54 - 430.pdf	2581481	Lombardero, M.	1985

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: 1256 - Pollens - Weeds and Garden Plants, Spearscale *Atriplex patula*

Recommended Common Name Saltweed, Spear

Manufacturers of this Product

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

Search Strategy

PubMed: *Atriplex*, *A. patula*, *A. hastata*, *A. prostrata*, Spear saltweed, (+ pollen, allergy, allergen, cross-reactivity)

Google: *Atriplex*, *A. patula*, *A. hastata*, *A. prostrata*, Spear saltweed, (+ pollen, allergy, allergen, cross-reactivity)

Nomenclature

According to ITIS, the scientific name is *Atriplex patula* (TSN 20509). Common names are halberd-leaf orache, spear saltbush, and spear saltweed. Spearscale is not listed as a common name. The scientific name is correct and current. The common name needs to be updated. Synonyms are *Atriplex patula* var. *bracteata* and *A. patula* var. *japonica*. The *Atriplex* genus is found in the *Chemopodiaceae* family.

Parent Product

1256 - Pollens - Weeds and Garden Plants, Spearscale *Atriplex patula*

Published Data

The Panel 1 (pg 3139) discussed genus - *Atriplex*, including species *Atriplex lentiformis*. According to references 43, 44, 45, 64, and 151 the plants of this genus may produce large amounts of airborne pollen from early spring to late summer and may cause hay fever. According to Ref. 142, species within this genus have antigenic similarity. Ref. 151 mentioned that there is antigenic similarity between chenopods and amaranths.

In PMID: 2581481, positive skin tests results for unheated and heated *A. latifolia* pollen extracts were found in 91 mm ± 56 mm and 25 mm ± 20 mm, respectively. Based on RAST inhibition studies it was determined that common allergenic determinants were present in extracts from *A. latifolia*, *B. vulgaris*, *S. kali*, and *A. retroflexus*.

PMID: 16264339 states that 'Review of the earlier literature concerning cross-allergenicity within the superorder Caryophyllanae, especially between chenopod and amaranth weeds, shows almost complete allergenic identity among the *Amaranthus* species redroot, pigweed, Palmer's amaranth, and among *Atriplex* scales.' and 'a single *Atriplex* species is adequate for testing'.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1234_Curr Opin Allergy Clin Immunol 5-563.pdf	16264339	Weber, R.W.	2005
1136_Ann Allergy 54 - 430.pdf	2581481	Lombardero, M.	1985

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: 1257 - Pollens - Weeds and Garden Plants, Spiraea Spiraea spp.

Recommended Scientific Name Spiraea, (species to be specified)

Manufacturers of this Product

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

Search Strategy

PubMed and Google: No search performed since species was not defined.

Nomenclature

According to ITIS, Spiraea (TSN 25328) is a genus that contains one variety and twenty-one species. The scientific and common names need to be updated. The Spiraea genus is found in the Rosaceae family.

Parent Product

1257 - Pollens - Weeds and Garden Plants, Spiraea Spiraea spp.

Published Data

There are no known published data.

Panels:

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

Product: 1258 - Pollens - Weeds and Garden Plants, Sugar Beet Beta vulgaris

Recommended Common Name Beet, Common

Manufacturers of this Product

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

Search Strategy

PubMed: beet allergy; beet pollen; beet pollen allergy; beet allergen; beet immunotherapy; beta vulgaris; beta vulgaris allergy
Google: beet pollen allergy; beet pollen allergy adverse; beet pollen allergen; beet pollen allergen adverse; same search results performed for beta vulgaris pollen

Nomenclature

According to ITIS, the scientific name is Beta vulgaris (TSN 20681). The common name is common beet. Sugar beet is not listed as a common name. The scientific name is correct and current. The common name needs to be updated. Synonyms are Beta maritime and B. vulgaris ssp. maritima. Two subspecies of B. vulgaris are listed: cicia and macrocarpa. The Beta genus is found in the Chenopodiaceae family. Garden and sugar beet are varieties of the same species.

Parent Product

566 - Pollens - Cultivated Farm Plants, Beet, Sugar Beta vulgaris

Related Products

565 - Pollens - Cultivated Farm Plants, Beet, Garden Beta vulgaris

694 - Pollens - Grasses, Sugar beet, Beta vulgaris

1258 - Pollens - Weeds and Garden Plants, Sugar Beet Beta vulgaris

Published Data

Panel 1 (pg 3140) provides two references using sugar beet pollen extract for diagnosis. A. fungus may be responsible for occupational allergy (PMID 2929426).

PMID 1600801 is a case report of a patient who tested positive to sugar pulp pellets by skin prick test. Bronchial challenge was positive for moldy but not fresh beet sugar pulp. This paper is for food allergies, not pollen allergy.

PMID 18694503, 8 of 15 sugar beet factory workers had positive skin prick tests to sugar beet pollen extract.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
566_ Am Ind Hyg Assoc J-50-44.pdf	2929426	Forster, H.W.	1989
566_ Chest-101-1720.pdf	1600801	Rosenman, K.D.	1992
1258_ clin mol allergy-6-7.pdf	18694503		0

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

Manufacturers of this Product

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

Search Strategy

PubMed: Tamarix gallica; French tamarisk; Saltcedar; Tamarisk; Tamarix

Google: tamarisk pollen allergy; tamarisk pollen allergy adverse; tamarisk pollen allergen; tamarisk pollen allergen adverse; same search results performed for Tamarix gallica

Nomenclature

According to ITIS, the scientific name is Tamarix gallica (TSN 22304). The common name is is French tamarisk, saltcedar, tamarisk, and tamrix. The scientific and common names are correct and current. This product is found in the Family Tamaricaceae or Tamarix genus.

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: 1260 - Pollens - Weeds and Garden Plants, Tansy Tanacetum vulgare

Manufacturers of this Product

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

Search Strategy

PubMed: Tanacetum vulgare allergens; Tansy allergens

Google: tansy pollen allergy; tansy pollen allergy adverse; tansy pollen allergen; tansy pollen allergen adverse; same search results performed for Tanacetum vulgare

Nomenclature

According to ITIS, the scientific name is Tanacetum vulgare (TSN 36328). Common names are common tansy, garden tansy, and tansy. The scientific and common names are correct and current. Synonyms are Chrsanthemum uliginosum, C. vulgare, Tanacetum vulgare var. crispum. The Tanscetum genus is found in the Asteraceae family.

Parent Product

1260 - Pollens - Weeds and Garden Plants, Tansy Tanacetum vulgare

Published Data

PMID: 8365167 used patch testing of allergenic extracts to evaluate the frequency of Compositae sensitivitiy. Positive patch test results (90.9%) were chamomile (75.0%), tansy (54.1%), yarrow (33.3%) and arnica (0%).

In PMID: 11683829 feverfew elicited positive patch test reactions most frequently (81%), followed by tansy (77%), chamomile (64%), yarrow (41%) and arnica (23%).

In PMID: 8796749 patch test results to feverfew (70.1), and lower responses were seen to chrysanthemums (63.6%), tansy (60.8%), chamomile (56.5%), arnica (51.8%), yarrow (51.8%), and the cross-reacting laurel oil (50.5%).

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1260_ Contact Dermatitis 45-197.pdf	11683829	Paulsen, E.	2001
1260_ ContactDermatitis 29-6.pdf	8365167	Paulsen, E.	1993
1260_ AmerJournContDermatitis 7-94.pdf	8796749	Hausen, B.M.	1996

Panels:

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

Product: 1261 - Pollens - Weeds and Garden Plants, Vetch Vicia sativa

Recommended Common Name Vetch, Common

Recommended Scientific Name Vicia sativa

Manufacturers of this Product

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

Search Strategy

PubMed: Vicia sativa allergens; narrowleaf vetch; sweetpea allergens

Google: vetch pollen allergy; vetch pollen allergy adverse; vetch pollen allergen; vetch pollen allergen adverse; same search results performed for Vicia sativa

Nomenclature

According to ITIS, the correct spelling of Vicia sativa is Vicia sativa (TSN 26355). Common names are common vetch, garden vetch, narrowleaf vetch, and sweetpea. The scientific and common names need to be updated. Two subspecies of V. sativa are listed: nigra and sativa. The Vicia genus is found in the Fabaceae family.

Parent Product

1261 - Pollens - Weeds and Garden Plants, Vetch Vicia sativa

Published Data

PMID: 2071777 evaluated a farmer who developed occupational asthma. The patient was skin prick tested (SPT) with a battery of 30 antigens and all were negative. SPT to vetch extract was positive. Passive transfer tests (Prausnitz-Küstner) was positive to vetch extract. Bronchial challenge test provoked a late response.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1261_JAllergyClinImmunol 135.pdf	2071777	Picón, S.J.	1991

Panels:

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

Product: 1262 - Pollens - Weeds and Garden Plants, Viburnum Viburnum carlcephalum

Recommended Scientific Name Viburnum, (species to be specified)

Manufacturers of this Product

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

Search Strategy

PubMed: viburnum allergy; viburnum pollen cross-reactivity

Google: viburnum pollen allergy; viburnum pollen allergy adverse; viburnum pollen allergen; viburnum pollen allergen adverse; same search results performed for Viburnum carlcephalum

Nomenclature

Neither PLANTS database or ITIS lists Viburnum carlcephalum as a scientific name. The scientific and common names need to be updated.

Parent Product

1262 - Pollens - Weeds and Garden Plants, Viburnum Viburnum carlcephalum

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: 1263 - Pollens - Weeds and Garden Plants, Wallflower Cheiranthus cheiri

Recommended Common Name Wallflower, Aegean

Recommended Scientific Name Erysimum cheiri

Manufacturers of this Product

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

Search Strategy

PubMed: wallflower; Erysimum cheiranthoides; Cheiranthus cheiri allergy; wallflower; wallflower; Erysimum cheiranthoides; Cheiranthus cheiri - cross-reactivity

Google: Cheiranthus cheiri; Erysimum cheiranthoides - pollen extract adverse events

Nomenclature

According to ITIS, the correct scientific name for Cheiranthus cheiri is Erysimum cheiri (TSN 22936). The common name is Aegean wallflower. The scientific and common names need to be updated. The Erysimum genus is found in the Brassicaceae family.

Parent Product

1263 - Pollens - Weeds and Garden Plants, Wallflower Cheiranthus cheiri

Published Data

There are no known published data.

Panels:

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

Product: 1264 - Pollens - Weeds and Garden Plants, Waterhemp *Acnida turberculata*

Recommended Common Name Amaranth, Rough-fruit

Recommended Scientific Name *Amaranthus tuberculatus*

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: *Acnida turberculata*; *Amaranthus tuberculatus*

Google: waterhemp pollen allergy; waterhemp pollen allergy adverse; waterhemp pollen allergen; waterhemp pollen allergen adverse; same search results performed for *Acnida turberculata* and *Amaranthus tuberculatus*

Nomenclature

According to ITIS, the current name of *Acnida tuberculata* is *Amaranthus tuberculatus* (TSN 20750). The common name is rough-fruit amaranth, roughfruit amaranth, and tall waterhemp. The scientific and common names need to be updated. Synonyms are *Acnida altissima*, *A. altissima* var. *prostrate*, *A. altissima* var. *subnuda*, *A. concatenata*, *A. subnuda*, *A. tamariscina* var. *prostrate*, *A. tuberculata*, *Amaranthus altissimus*, *A. ambigens*, *A. tuberculatus* var. *prostrates*, and *A. tuberculatus* var. *subnudus*. The *Amaranthus* genus is found in the *Amaranthaceae* family.

Parent Product

1264 - Pollens - Weeds and Garden Plants, Waterhemp *Acnida turberculata*

Published Data

Panel I reported (pg 3137) that 36 patients (Ref. 122) and 116 patients (Ref.175) with hay fever in the western water hemp pollen season had positive skin reactions to western water hemp pollen extracts. Control patients had negative reactions to skin prick test (SPT). Results, from ref. 122, were confirmed by results from a controlled passive transfer test. Panel I also reported in a Durhman (Ref.151) publication that there is antigenic similarity of the amaranths and chenopods.

One relevant paper (PMID: 1163862) was found to support this extract. The article notes that western water hemp is one of the worst hay fever plants around St. Louis (Missouri). Table 1 indicates that 40.2% of 251 adults in St. Louis area had positive to western water hemp by SPT, no adverse reactions were reported.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1125_ Ann Allergy (1975)35-180.pdf	1163862	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: 1265 - Pollens - Weeds and Garden Plants, Waterhemp, Western Acnida tamariscina

Recommended Common Name Waterhemp, Common

Recommended Scientific Name Amaranthus rudis

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: Acnida tamariscina; Amaranthus rudis

Google: waterhemp pollen allergy; waterhemp pollen allergy adverse; waterhemp pollen allergen; waterhemp pollen allergen adverse; same search results performed for Acnida tamariscina and Amaranthus rudis

Nomenclature

According to ITIS, the current name of Acnida tamariscina is Amaranthus rudis (TSN 20746). The common name for A. rudis are common waterhemp or tall amaranth. Western waterhemp is not listed as a common name. The scientific and common names need to be updated. Synonym is Amaranthus tamariscinus. The Amaranthus genus is found in the Amaranthaceae family.

Parent Product

1125 - Pollens - Weeds and Garden Plants, Hemp, Western Water Acnida tamariscina

Related Products

1265 - Pollens - Weeds and Garden Plants, Waterhemp, Western Acnida tamariscina

Published Data

Panel I notes (pg 3137) that 36 patients (Ref. 122) and 116 patients with hay fever in the western water hemp pollen season had positive skin reactions to western water hemp pollen extracts (Ref.175). Control patients had negative reactions to skin prick test (SPT). Panel I reports that according to Durhman (Ref.151) there is antigenic similarity of the amaranths and chenopods.

PMID 1163862: Table 1 indicates that 40.2% of 251 adults in St. Louis area had positive reactions to SPT of western water hemp, no adverse reactions were reported.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1125_ Ann Allergy (1975)35-180.pdf	1163862	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: 1266 - Pollens - Weeds and Garden Plants, Wingscale *Atriplex canescens*

Recommended Common Name Saltbush, Fourwing

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

Search Strategy

PubMed: *Atriplex*, *A. canescens*, Wingscale, (+ allergy, allergen, pollen, cross-reactivity)
Google: *Atriplex*, *A. canescens*, Wingscale, (+ allergy, allergen, pollen, cross-reactivity)

Nomenclature

According to ITIS, the scientific name is *Atriplex canescens* (TSN 20518). The common name is fourwing saltbush. Wingscale is not listed as a common name. The scientific name is correct and current. The common name needs to be updated. Six varieties of *A. canescens* are listed: *angustifolia*, *canescens*, *gigantea*, *laciniata*, *linearis*, and *macilenta*. The *Atriplex* genus is found in the *Chenopodiaceae* family.

Parent Product

1244 - Pollens - Weeds and Garden Plants, Scale, Wing (Shad) *Atriplex canescens*

Related Products

1266 - Pollens - Weeds and Garden Plants, Wingscale *Atriplex canescens*

Published Data

Panel 1 (pg 3139) discussed genus - *Atriplex*, including species *Atriplex lentiformis*. According to references 43, 44, 45, 64, and 151 the plants of this genus may produce large amounts of airborne pollen from early spring to late summer and may cause hay fever. According to Ref. 142, species within this genus have antigenic similarity. Ref. 151 mentioned that there is antigenic similarity between chenopods and amaranths.

In PMID: 2581481, positive skin tests results for unheated and heated *A. latifolia* pollen extracts were found in 91 mm ± 56 mm and 25 mm ± 20 mm, respectively. Based on RAST inhibition studies it was determined that common allergenic determinants were present in extracts from *A. latifolia*, *B. vulgaris*, *S. kali*, and *A. retroflexus*.

PMID: 16264339 states that 'Review of the earlier literature concerning cross-allergenicity within the superorder Caryophyllanae, especially between chenopod and amaranth weeds, shows almost complete allergenic identity among the *Amaranthus* species redroot, pigweed, Palmer's amaranth, and among *Atriplex* scales.' and 'a single *Atriplex* species is adequate for testing

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1234_ Curr Opin Allergy Clin Immunol 5-563.pdf	16264339	Weber, R.W.	2005
1136_ Ann Allergy 54 - 430.pdf	2581481	Lombardero, M.	1985

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: 1267 - Pollens - Weeds and Garden Plants, Winter Fat Eurotia lanata

Recommended Common Name Winterfat

Recommended Scientific Name Krascheninnikovia lanata

Manufacturers of this Product

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

Search Strategy

PubMed: Krascheninnikovia lanata allergy; Eurotia lanata allergy; Winterfat allergy

Google: winter fat pollen allergy; winter fat pollen allergy adverse; winter fat pollen allergen; winter fat pollen allergen adverse; same search results performed for Eurotia lanata and Krascheninnikovia lanata

Nomenclature

According to ITIS, the current scientific name of Eurotia lanata is Krascheninnikovia lanata (TSN 503290). The common name is winterfat. The scientific and common names need to be updated. Synonyms are Ceratoides lanata, C. lanata var. ruinina, C. lanata var. subspinosa, Eurotia lanata, E. lanata var. subspinosa. The Krascheninnikovia genus is found in the Chenopodiaceae family.

Parent Product

1267 - Pollens - Weeds and Garden Plants, Winter Fat Eurotia lanata

Published Data

There are no known published data.

Panels:

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

Product: 1268 - Pollens - Weeds and Garden Plants, Wormseed Chenopodium arthelminthicum

Recommended Common Name Mexican tea

Recommended Scientific Name Chenopodium ambrosioides var. ambrosioides

Manufacturers of this Product

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

Search Strategy

PubMed:Chenopodium anthelminticum; mexican tea; wormseed allergy; chenopodium ambrosioides allergy

Google: wormseed pollen allergy; wormseed pollen allergy adverse; wormseed pollen allergen; wormseed pollen allergen adverse; same search results performed for Chenopodium arthelminthicum

Nomenclature

According to ITIS, a variety of Chenopodium ambrosioides includes the name anthelminticum. The current name of Chenopodium ambrosioides var. anthelminticum is Chenopodium ambrosioides var. ambrosioides (TSN 527311). Common name is Mexican tea. The scientific and common names need to be updated. Synonyms are Ambrina ambrosioides, Chenopodium ambrosioides var. anthelminticum, C. ambrosioides var. anthelminticum, C. ambrosioides var. chilense, ambrosioides ssp. euambrosioides, ambrosioides var. typicum, ambrosioides var. vagans, C. obovatum, C. retusum, Teloxys ambrosioides, and T. vagans. The Chenopodium genus is found in the Chenopodiaceae family.

Parent Product

1268 - Pollens - Weeds and Garden Plants, Wormseed Chenopodium arthelminthicum

Related Products

1141 - Pollens - Weeds and Garden Plants, Mexican Tea Chenopodium ambrosioides

Published Data

The essential oil in the seed and flowering plant is highly toxic. In excess it can cause dizziness, vomiting, convulsions and even death. The plant can also cause dermatitis or other allergic reactions (<http://ibiblio.org/>).

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: 1269 - Pollens - Weeds and Garden Plants, Wormseed Chenopodium botrys

Recommended Common Name Oak, Jerusalem

Manufacturers of this Product

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

Search Strategy

PubMed: chenopodium botrys - allergy; allergens; extract; skin test, cross-reactivity; IgE; case report - none relevant; Jerusalem oak-allergy; allergens; allergenic extract; skin test; cross-reactivity; hay fever; case report-none relevant.

Google: Jerusalem oak and adverse effect - none relevant; chenopodium botrys with allergy, allergy adverse, allergen, and allergen adverse

Nomenclature

According to ITIS, the scientific name is Chenopodium botrys (TSN 20596). Common names are Jerusalem oak, Jerusalem oak goosefoot, and Jerusalem-oak. Wormseed is not listed as a common name. The scientific name is correct and current. The common name needs to be updated. Synonyms are Botrydium botrys and Teloxys botrys. The Chenopodium genus is found in the Chenopodiaceae family.

Parent Product

1269 - Pollens - Weeds and Garden Plants, Wormseed Chenopodium botrys

Related Products

1131 - Pollens - Weeds and Garden Plants, Jerusalem Oak Chenopodium botrys

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: 1270 - Pollens - Weeds and Garden Plants, Wormwood, Annual Artemisia annua

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: Artemisia annua and diagnosis and immunotherapy. Annual wormwood and diagnosis and immunotherapy
Google: sagebrush pollen allergy; sagebrush pollen allergy adverse; sagebrush pollen allergen; sagebrush pollen allergen adverse; same search results performed for Artemisia annua

Nomenclature

According to ITIS, the scientific name is Artemisia annua (TSN 35448). Common names are annual wormwood and sweet sagewort. The scientific and common names are correct and current. The Artemisia genus is found in the Asteraceae family.

Parent Product

1270 - Pollens - Weeds and Garden Plants, Wormwood, Annual Artemisia annua

Related Products

1216 - Pollens - Weeds and Garden Plants, Sagebrush Artemisia annua

Published Data

PMID: 9532972 investigated the prevalence of atopic disease, skin test reactivity, total and specific IgE to common allergens. A. vulgaris was one of the common allergens assessed.

A paper (PMID: 15285462) by Cvitanovic reported an increased incidence of positive skin prick test (SPT) results to common pollen allergens (including A. vulgaris) when the air pollen concentrations were high.

PMID: 9357380 investigated the in-vitro cross-reactivity among nine Artemisia species: A. frigida, A. annua, A. biennis, A. filifolia, A. tridentata, A. californica, A. gnaphalodes, A. ludoviciana, and A. vulgaris. Their data demonstrated very strong in-vitro cross-reactivity among the nine Artemisia species studied. Because Artemisia annua is wind pollinated, it is considered strongly cross-reactive with other Artemisia species.

PMID: 16650052 evaluated cross-reactivity between ragweed and mugwort pollen extracts. The evaluation was performed by RAST. IgE immunoblot and immunoblot inhibition studies were also performed. Further data is being collected to determine whether ragweed and mugwort co-sensitized patients exhibit clinical symptoms.

PMID 12897724 states that "Strong cross-allergenicity between Artemisia species."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1200_ Ann Allergy Asthma Immunol 80 (237).pdf	9532972	García-González, J.J.	1998
1203_ Arh Hig Rada Toksikol (55) 147.pdf	15285462	Cvitanović, S.	2004
1200_ AnnAllergyAsthmaImmunol.79(4).340.pdf	9357380	Katial, R.K.	1997
1173_ Clin Exp Allergy 36 (658) .pdf	16650052	Asero, R.	2006
1161_ 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: 1271 - Pollens - Weeds and Garden Plants, Wormwood, Asinthe Artemisia absinthium

Recommended Common Name Wormwood, Absinth

Recommended Scientific Name Artemisia absinthium

Manufacturers of this Product

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

Search Strategy

PubMed: Artemisia absinthium; Artemisia absinthium allergy

Google: wormwood pollen allergy; wormwood pollen allergy adverse; wormwood pollen allergen; wormwood pollen allergen adverse; same search results performed for Artemisia absinthium

Nomenclature

According to ITIS, the correct spelling of Artemisia absinthium is Artemisia absinthium (TSN 35445). Common names are absinth sagewort, absinth wormwood, absinthium, and common sagewort. The scientific and common names need to be updated. Synonym is Artemisia absinthium var. insipida. The Artemisa genus is found in the Asteraceae family.

Parent Product

1271 - Pollens - Weeds and Garden Plants, Wormwood, Asinthe Artemisia absinthium

Related Products

1214 - Pollens - Weeds and Garden Plants, Sage, Wormwood Artemisia absinthium

Published Data

PMID: 9532972 investigated the prevalence of atopic disease, skin test reactivity, total and specific IgE to common allergens. A. vulgaris was one of the common allergens assessed.

A paper (PMID: 15285462) by Cvitanovic reported an increased incidence of positive skin prick test (SPT) results to common pollen allergens (including A. vulgaris) when the air pollen concentrations were high.

PMID: 9357380 investigated the in-vitro cross-reactivity among nine Artemisia species: A. frigida, A. annua, A. biennis, A. filifolia, A. tridentata, A. californica, A. gnaphalodes, A. ludoviciana, and A. vulgaris. Their data demonstrated very strong in-vitro cross-reactivity among the nine Artemisia species studied.

PMID: 16650052 evaluated cross-reactivity between ragweed and mugwort pollen extracts. The evaluation was performed by RAST. IgE immunoblot and immunoblot inhibition studies were also performed. Further data is being collected to determine whether ragweed and mugwort co-sensitized patients exhibit clinical symptoms.

PMID 12897724 states that "Strong cross-allergenicity between Artemisisa species."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1200_ Ann Allergy Asthma Immunol 80 (237).pdf	9532972	García-González, J.J.	1998
1203_ Arh Hig Rada Toksikol (55) 147.pdf	15285462	Cvitanović, S.	2004
1200_ AnnAllergyAsthmaImmunol. 79(4).340.pdf	9357380	Katial, R.K.	1997
1208_ Clin Exp Allergy 36 (658) .pdf	16650052	Asero, R.	2006
1161_ 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: 1272 - Pollens - Weeds and Garden Plants, Wormwood, Biennial Artemesia biennis

Recommended Scientific Name Artemisia biennis

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: Artemisia biennis

Google: wormwood pollen allergy; wormwood pollen allergy adverse; wormwood pollen allergen; wormwood pollen allergen adverse; same search results performed for Artemisia biennis

Nomenclature

According to ITIS, the correct spelling of Artemesia biennis is Artemisia biennis (TSN 35451). Common names are biennial sagewort and biennial wormwood. The common name is correct and current. The scientific name needs to be updated. Two varieties of A. biennis are listed: biennis and diffusa. The Artemisa genus is found in the Asteraceae family.

Parent Product

1272 - Pollens - Weeds and Garden Plants, Wormwood, Biennial Artemesia biennis

Published Data

PMID: 9532972 investigated the prevalence of atopic disease, skin test reactivity, total and specific IgE to common allergens. A. vulgaris was one of the common allergens assessed.

A paper (PMID: 15285462) by Cvitanovic reported an increased incidence of positive skin prick test (SPT) results to common pollen allergens (including A. vulgaris) when the air pollen concentrations were high.

PMID: 9357380 investigated the in-vitro cross-reactivity among nine Artemisia species: A. frigida, A. annua, A. biennis, A. filifolia, A. tridentata, A. californica, A. gnaphalodes, A. ludoviciana, and A. vulgaris. Their data demonstrated very strong in-vitro cross-reactivity among the nine Artemisia species studied.

PMID: 16650052 evaluated cross-reactivity between ragweed and mugwort pollen extracts. The evaluation was performed by RAST. IgE immunoblot and immunoblot inhibition studies were also performed. Further data is being collected to determine whether ragweed and mugwort co-sensitized patients exhibit clinical symptoms.

PMID 12897724 states that "Strong cross-allergenicity between Artemisisa species."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1272_ Ann Allergy Asthma Immunol 80 (237).pdf	9532972	García-González, J.J.	1998
1173_ Clin Exp Allergy 36 (658) .pdf	16650052	Asero, R.	2006
1203_ Arh Hig Rada Toksikol (55) 147.pdf	15285462	Cvitanović, S.	2004
1200_ AnnAllergyAsthmaImmunol.79(4).340.pdf	9357380	Katial, R.K.	1997
1161_ 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: 1273 - Pollens - Weeds and Garden Plants, Wormwood, Tall Artemesia candata

Recommended Common Name Woodworm, Field

Recommended Scientific Name Artemisia campestris ssp. caudate

Manufacturers of this Product

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

Search Strategy

PubMed: Artemisia campestris ssp. caudate

Google: wormwood pollen allergy; wormwood pollen allergy adverse; wormwood pollen allergen; wormwood pollen allergen adverse; same search results performed for Artemisia campestris

Nomenclature

According to ITIS, the correct spelling of Artemesia candata is Artemisia caudata. The current scientific name is Artemisia campestris ssp. caudate (TSN 183750). Common names are field sagewort, field wormwood, and Pacific wormwood. Tall wormwood is not listed as a common name. The scientific and common names need to be updated. Artemisia campestris var. caudate, A. caudate, A. caudate var. calvens, A. forwoodii, Oligosporus campestris ssp. caudatus, O. caudatus are listed as a synonym. The Artemisia genus is found in the Asteraceae family.

Parent Product

1273 - Pollens - Weeds and Garden Plants, Wormwood, Tall Artemesia candata

Published Data

PMID: 9532972 investigated the prevalence of atopic disease, skin test reactivity, total and specific IgE to common allergens. A. vulgaris was one of the common allergens assessed.

A paper (PMID: 15285462) by Cvitanovic reported an increased incidence of positive skin prick test (SPT) results to common pollen allergens (including A. vulgaris) when the air pollen concentrations were high.

PMID: 9357380 investigated the in-vitro cross-reactivity among nine Artemisia species: A. frigida, A. annua, A. biennis, A. filifolia, A. tridentata, A. californica, A. gnaphalodes, A. ludoviciana, and A. vulgaris. Their data demonstrated very strong in-vitro cross-reactivity among the nine Artemisia species studied.

PMID: 16650052 evaluated cross-reactivity between ragweed and mugwort pollen extracts. The evaluation was performed by RAST. IgE immunoblot and immunoblot inhibition studies were also performed. Further data is being collected to determine whether ragweed and mugwort co-sensitized patients exhibit clinical symptoms.

PMID 12897724 states that "Strong cross-allergenicity between Artemisisa species."

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1273_ Ann Allergy Asthma Immunol 80 (237).pdf	9532972	García-González, J.J.	1998
1173_ Clin Exp Allergy 36 (658) .pdf	16650052	Asero, R.	2006
1203_ Arh Hig Rada Toksikol (55) 147.pdf	15285462	Cvitanović, S.	2004
1200_ AnnAllergyAsthmaImmunol.79(4).340.pdf	9357380	Katial, R.K.	1997
1161_ 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: 1274 - Pollens - Weeds and Garden Plants, Yarrow Achillea millefolium

Recommended Common Name Yarrow, Common

Manufacturers of this Product

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

Search Strategy

PubMed: Achillea millefolium allergy; Achillea millefolium pollen allergy; Achillea tenuifolia, lanulosa, carpenter's weed, common yarrow, milfoil, plumajillo, western yarrow allergy

Google: yarrow pollen allergy; yarrow pollen allergy adverse; yarrow pollen allergen; yarrow pollen allergen adverse; same search results performed for Achillea millefolium

Nomenclature

According to ITIS, the scientific name is Achillea millefolium (TSN 35423). Common names are bloodwort, carpenter's weed, common yarrow, milfoil, plumajillo, and western yarrow. The scientific name is correct and current. The common name needs to be updated. Eleven varieties of A. millefolium are listed: alpicola, arenicola, borealis, californica, gigantean, litoralis, millefolium, nigrescens, occidentalis, pacifica, and puberula. The Achillea genus is found in the Asteraceae family.

Parent Product

1274 - Pollens - Weeds and Garden Plants, Yarrow Achillea millefolium

Published Data

PMID: 16942580 is case report about one patient's allergy to yarrow. Skin prick test with aqueous extract of dried Achillea millefolium (yarrow) flowers was. Specific Inhalation Bronchial Challenge with aqueous extract of Achillea millefolium elicited an asthmatic response. Specific IgE (EAST) test results and immunoblotting showed IgE mediated immunologic mechanism is responsible for the patient's asthma. Since dried flowers contain pollen, this article can be used to support efficacy.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
1274_ Allergy 2006 Oct 61 10 1239-40.pdf	16942580	Compes, E.	2006

Panels:

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