

## Product: 594 - Pollens - Grasses, Bahia Grass Paspalum notatum

### 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: Grass Pollen Allergy, immunotherapy; Bahia grass antigens; Bahia grass Paspalum notatum pollen allergy  
Google: Bahia grass allergy; Bahia grass allergy adverse; Bahia grass allergen; Bahia grass allergen adverse; same search results performed for Paspalum notatum

### Nomenclature

According to ITIS, the scientific name is Paspalum notatum. Common names are Bahia grass and bahiagrass. The scientific and common names are correct and current. Varieties are Paspalum notatum var. notatum and Paspalum notatum var. sauræ. The Paspalum genus is found in the Poaceae family.

### Parent Product

594 - Pollens - Grasses, Bahia Grass Paspalum notatum

### Published Data

Panel I report (pg. 3124) lists, within the tribe Paniceae, the genus Paspalum, with a common name of Dallis. On page 3149, one controlled study (reference 42: Thommen, A.A., "Asthma and Hayfever in theory and Practice, Part 3, Hayfever" Edited by Coca, A.F., M. Walzer and A.A. Thommen, Charles C. Thomas, Springfield IL, 1931) supported the effectiveness of Paspalum for diagnosis.

Papers supporting that Bahia grass contains unique antigens that are allergenic (skin test positive) are PMIDs. 2596759, 12218368, and 15647049. Papers supporting that skin tests are positive with Bahia Grass are PMIDs 2596759 and 7920031. One paper (PMID 7950406) found supporting cross-reactivity of mAbs raised against Bermuda with epitopes in Bahia.

General Grass Pollen Comments: From 3 papers (not all are included as specific references below, these papers are: "Characteristics and Immunobiology of Grass Pollen Extracts"; Andersson and Lidholm; Int Arch Allergy Immunology 2003: 130:87-107, PMID 12673063; "Key Pollen Allergens in North America"; White and Bernstein; Annals of Allergy, Asthma and Immunobiology 2003:91: 425435, PMID 14692424; and "Cross-Reactivity of Pollen Allergens" Weber;

Current Allergy and Asthma Reports; 2004 Sep;4(5):401-408, PMID 15283881, PMID 15283881), within the grass family of Poaceae, three subfamilies of grasses, Festucoideae (Pooideae), Eragrostoideae (Chloridoideae) and Panicoideae, are reported to be the predominant pollinators and hence, cause most of the allergic disease due to grass pollens. From a paper entitled "Grass Pollens" by Robert Esch (Clinical Allergy Immunol. 2004; 18:185-205 PMID 15042916), the two other subfamilies are Arundinoideae and Bambusoideae. Arundinoideae has about 75 genera, but only about 5 of these are found in the US. Bambusoideae are not important allergenically because they flower very infrequently. The GRIN lists 8 subfamilies in the grass family and several tribes within each subfamily. To date, 11 groups of structurally related antigens have been identified and characterized across the grass subfamilies (references: PMID12673063, and 15042916 from above and "Immunobiology of Grass Pollen Allergens", Mohapatra, Lockey and Shirley; Curr Allergy Asthma Rep. 2005 Sep;5(5):381-7. PMID: 16091211). The homologous structures of these antigens are responsible for cross-reactivity within each subfamily and increased cross-reactivity within tribes. Little or no cross-reactivity has been found between the pooid and chloridoid pollen subfamilies, but moderate cross-reactivity of panacoid with both the pooids and chloridoids has been reported. These conserved antigens are also reported to lead to cross-reactivity with and allergen sensitivity to fruits and vegetables.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
594_ Bahia grass paper.pdf	15647049	Davies, J.M.	2005
594_ ID and characterization of allergenic proteins of Bahia g	12218368	Ghobrial, G.	2002
594_ Immunodetection and Comparison of Metaleuca, Bottle	7920031	Sweeney, M.	1994
594_ Bahia grass, evidence of lack of cross-reactivity.pdf	2596759	Phillips, J.W.	1989
648_ Isolation and Characterization of group-I isoallergens fr	7950406	Smith, P.M.	1994

Panels:

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

**Product: 595 - Pollens - Grasses, Barley, Cultivated Hordeum vulgare**

**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: Grass pollen allergy; Hordeum Vulgare; Hordeum vulgare allergy; Hordeum vulgare allergen; barley flour allergy; Hordeum vulgare pollen allergen

Google: barley pollen allergy; barley pollen allergy adverse; barley pollen allergen; barley pollen allergen adverse; same search results performed for Hordeum vulgare

**Nomenclature**

According to ITIS (www.itis.usda.gov), the scientific name, Hordeum vulgare, is common or current. The common names for H. vulgare are Barley, cereal barley, or common barley. Synonyms are Horedeum aegiceras, H. distichon, H. hexastichon, H. hexastichum, H. irregulare, H. sativum, and H. vulgare var. trifurcatum. The Hordeum genus is found in the Poaceae family.

**Parent Product**

595 - Pollens - Grasses, Barley, Cultivated Hordeum vulgare

**Published Data**

Barley is in the subfamily Pooideae, tribe Triticeae. This classification is based on PMIDs 12673063 and 15283881 and is supported by information found in GRIN database.

PMID 15283881 also supports cross-reactivity between species within the Pooideae tribe.

Papers supporting barley's allergenicity: In a paper by Astwood (PMID 7537171) it was shown that "twenty-six out of 42 grass allergic individuals showed specific IgE antibodies to cultivated barley."

PMDI 9723659, In this study, subject's sera who reported they had grass pollen or suffered from hay fever symptoms in spring and summer were obtained and tested in a RAST for IgE reactivity with pollen from 17 different grass species.

Papers supporting cross-reactivity of barley antigens with other grass antigens including standardized grass pollens.

PMID 8982067, This paper indicates that by sequence comparisons the Hor v 9 cDNA clones are homologous to group 5 allergens of Timothy grass and canary grass and the group 9 allergen of ryegrass.

PMID 9095254, This paper indicates that the Hor v 9 allergen cross-reacts with antigens in cultivated rye (Secale cereale), wheat (Triticum aestivum), corn, oats and Kentucky bluegrass.

Paper supporting effectiveness of diagnosis and treatment for other species in the same tribe: PMID 735982.

Papers that support cross-reactivity within tribes: PMIDs 12673063, 15042916, 16091211.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
595_ Pollen allergen homologues in Barley and other crop spec	7537171	Astwood	1995
595_ Molecular charact of Hor v 9.pdf	9095254	Astwood	1996
595_ clon and expres pattern of hor v 9.pdf	8982067	Astwood	1996
594_ Frequency of sensitization to different pollen groups an	735982	Martin-Gil, D.	1978
595_ characteristics and immunobio of grass pollen allergens.	12673063	Andersson, K.	2003
595_ grass pollen allergens.pdf	15042916	Esch, R.E.	2004
595_ immunobiology of grass pollen allergens.pdf	16091211	Mohapatra, S.S.	2005
635_ How far can we simplify in vitro diagnostic for grass poll	9723659	van Ree, R.	1998
594_ CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004

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

**Product: 596 - Pollens - Grasses, Barley, Wall Hordeum murinum**

**Manufacturers of this Product**

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

**Search Strategy**

PubMed: Wall Barley allergen, allergy; Hordeum murinum allergy, allergen, Hordeum murinum ssp murinum allergy, allergen  
Google: barley pollen allergy; barley pollen allergy adverse; barley pollen allergen; barley pollen allergen adverse; same search results performed for Hordeum murinum

**Nomenclature**

According to ITIS, the scientific name is Hordeum murinum. Common names are listed as wall barley and mouse barley. The scientific and common names are correct and current. Within H. murinum there are 3 subspecies: H. murinum ssp. Glaucum (smooth barley), H. murinum ssp. Leporinum (lepor barley or leporinum barley and the mentioned H. murinum ssp murinum. The Hordeum genus is found in the family Poaceae, tribe Triticeae

**Parent Product**

596 - Pollens - Grasses, Barley, Wall Hordeum murinum

**Published Data**

PMIDs 12673063 and 15283881 and is supported by the GRIN database.

PMID 15283881 supports cross-reactivity between species within the Pooideae subfamily and Triticeae tribe.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
595_ characteristics and immunobio of grass pollen allergens.	12673063	Andersson, K.	2003
594_ CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004

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

**Product: 597 - Pollens - Grasses, Barnyard Grass Echinochloa crusgalli**

**Recommended Scientific Name** Echinochloa crus-gall

**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: Echinochloa crusgalli allergen, allergy, barnyard grass allergen allergy; Japanese Millet allergy, allergen; cockspur grass allergy, allergen; watergrass allergy, allergen  
Google: barnyard grass pollen allergy; barnyard grass pollen allergy adverse; barnyard grass pollen allergen; barnyard grass pollen allergen adverse; same search results performed for Echinochloa crusgalli pollen

**Nomenclature**

According to ITIS, the correct spelling of Echinochloa crusgalli is Echinochloa crus-galli. Common names are barnyard grass, cockspur, Japanese millet, large barnyard grass, and watergrass. The common name is correct and current. The scientific name needs to be updated. Synonym is Panicum crus-galli. The Echinochloa genus is found in the Poaceae family.

**Parent Product**

597 - Pollens - Grasses, Barnyard Grass Echinochloa crusgalli

**Published Data**

PMID 15283881 supports cross-reactivity between species within the subfamily Panicoideae and tribe Paniceae.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
595_ grass pollen allergens.pdf	15042916	Esch, R.E.	2004
595_ characteristics and immunobio of grass pollen allergens.	12673063	Andersson, K.	2003
595_ immunobiology of grass pollen allergens.pdf	16091211	Mohapatra, S.S.	2005
594_ CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004

**Panels:**

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

**Product: 598 - Pollens - Grasses, Beach Grass Ammophila arenaria**

**Recommended Common Name** Beachgrass, European

**Manufacturers of this Product**

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

**Search Strategy**

PubMed: grass pollen allergy, beach grass allergy, immunotherapy; Ammophila arenaria, allergy, immunotherapy

Google: beach grass pollen allergy; beach grass pollen allergy adverse; beach grass pollen allergen; beach grass pollen allergen adverse; same search results performed for Ammophila arenaria pollen

**Nomenclature**

According to ITIS, the scientific name is Ammophila arenaria. The common name is European beachgrass. The scientific name is correct and current. The common name needs to be updated. Synonym is Arundo arenaria. The Ammophila genus is found Poaceae family.

**Parent Product**

598 - Pollens - Grasses, Beach Grass Ammophila arenaria

**Published Data**

PMID 15283881, 12673063, 16091211 supports cross-reactivity between species within the subfamily Pooideae and tribe Poeae. This product is in the same tribe as a standardized extract (redtop) and an extract that has been shown to be effective for diagnosis and treatment

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
595_ characteristics and immunobio of grass pollen allergens.	12673063	Andersson, K.	2003
595_ immunobiology of grass pollen allergens.pdf	16091211	Mohapatra, S.S.	2005
594_ CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004

Panels:

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

**Product: 599 - Pollens - Grasses, Bent Grass, Colonial Agrostis tenuis**

**Recommended Scientific Name** Agrostis capillaries

**Manufacturers of this Product**

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

**Search Strategy**

PubMed - grass pollen allergy; Colonial Bent grass; allergy; immunotherapy; agrostis tenuis; allergy; immunotherapy; agrostis capillaris, allergy, immunotherapy

Google: Colonial Bent grass pollen allergy; Colonial Bent grass pollen allergy adverse; Colonial Bent grass pollen allergen; Colonial Bent grass pollen allergen adverse; same search results performed for Agrostis tenuis pollen, Agrostis tenuis pollen

**Nomenclature**

According to ITIS, the current scientific name of Agrostis tenuis is Agrostis capillaries. The common names are colonial bent and colonial bentgrass. The common name is correct and current. The scientific name needs to be updated. Synonyms are: Agrostis tenuis (note correct spelling), Agrostis sylvatica, A. tenuis var. aristata, A. tenuis var. hispida, A. tenuis var. pumila, and A. vulgaris. The Agrostis genus is found in the Poaceae family.

**Parent Product**

599 - Pollens - Grasses, Bent Grass, Colonial Agrostis tenuis

**Published Data**

One article found that supports diagnosis (PMID 8428038).

No articles were found supporting therapy.

PMID 15283881 supports cross-reactivity between species within the subfamily Pooideae and tribe Poeae. This product is in the same tribe as an extract that has been shown to be effective for diagnosis and treatment (i.e., Holcus lanatus).

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
608_ skin prick tests to common allergens.pdf	8428038	Grabbe, J.	1993
594_ CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004

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

**Product: 600 - Pollens - Grasses, Bent Grass, Creeping Agrostis palustris**

Recommended Scientific Name Agrostis stolonifera

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: grass pollen allergy; creeping bent grass, allergy, immunotherapy; agrostis palustris, allergy, immunotherapy; agrostis stolonifera, allergy, immunotherapy

Google: Creeping bent grass pollen allergy; Creeping bent grass pollen allergy adverse; Creeping bent grass pollen allergen; Creeping bent grass pollen allergen adverse; same search results performed for Agrostis palustris pollen

Nomenclature

According to ITIS, the current scientific name of Agrostis palustris is Agrostis stolonifera. The preferred common name is creeping bentgrass (PLANTS.usda). Other common names are carpet bentgrass, creeping bent, redtop, redtop bent, seaside bentgrass, spreading bent. Synonyms are Agrostis palustris, A. alba var. palustris, A. alba var. stolonifera, A. maritima, A. stolonifera var. compacta, and A. stolonifera var. palustris. The Agrostis genus is found in the Poaceae family.

Parent Product

600 - Pollens - Grasses, Bent Grass, Creeping Agrostis palustris

Published Data

This product is in the same genus, subfamily and tribe as redtop (Agrostis alba, a standardized allergen).

One article supports allergenicity, PMID 9723659. In this study, sera from subject's who reported that they had grass pollen allergy or suffered from hay fever symptoms in spring and summer were obtained and tested in a RAST for IgE reactivity with pollen from 17 different grass species.

One article found that supports diagnosis (PMID 8428038).

PMID 15283881 supports cross-reactivity between species within the subfamily Pooideae and tribe Poeae. This product is in the same tribe as an extract that has been shown to be effective for diagnosis and therapy (i.e., Holcus lanatus)

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
595_ grass pollen allergens.pdf	15042916	Esch, R.E.	2004
595_ characteristics and immunobio of grass pollen allergens.	12673063	Andersson, K.	2003
595_ immunobiology of grass pollen allergens.pdf	16091211	Mohapatra, S.S.	2005
608_ skin prick tests to common allergens.pdf	8428038	Grabbe, J.	1993
594_ Cx reactivity among grasses determined by tissue thres	4067128	Leavengood, D.C.	1985
594_ Frequency of sensitization to different pollen groups an	735982	Martin-Gil, D.	1978
594_ Grass pollen IT a single year study.pdf	6366027	Ortolani, C.	1984
635_ How far can we simplify in vitro diagnostic for grass poll	9723659	van Ree, R.	1998
594_ CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004

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

**Product: 601 - Pollens - Grasses, Bluegrass, Annual Poa annua**

**Manufacturers of this Product**

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

**Search Strategy**

PubMed: Grass pollen allergy; Poa annua, allergy, immunotherapy. Annual bluegrass, allergy, immunotherapy  
Google: Annual bluegrass pollen allergy; Annual bluegrass pollen allergy adverse; Annual bluegrass pollen allergen; Annual bluegrass pollen allergen adverse; same search results performed for Poa annua pollen

**Nomenclature**

According to ITIS, the scientific name is Poa annua. Common names are annual blue grass and walkgrass. The scientific and common names are correct and current. Synonyms are Poa annua var. aquatica and Poa annua var. reptans. The Poa genus is found in the Poaceae family.

**Parent Product**

601 - Pollens - Grasses, Bluegrass, Annual Poa annua

**Published Data**

There is cross-reactivity among Poa species (PMID 15283881) which includes standardized Poa pretensis.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
594_CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004

<b>Panels:</b>	<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: 602 - Pollens - Grasses, Bluegrass, Big Poa ampla**

Recommended Scientific Name Poa secunda

Manufacturers of this Product

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

Search Strategy

PubMed: grass pollen allergy; big bluegrass, allergy, immunotherapy; Poa ampla, allergy and immunotherapy; Poa secunda, allergy and immunotherapy

Google: Big bluegrass pollen allergy; Big bluegrass pollen allergy adverse; Big bluegrass pollen allergen; Big bluegrass pollen allergen adverse; same search results performed for Poa ampla pollen

Nomenclature

According to ITIS, the current name of Poa ampla is Poa secunda. Common names are big bluegrass, Sandberg bluegrass and Sandberg's bluegrass. The common name is correct and current. The scientific name needs to be updated. Other synonyms include: P. sandbergii and Poa scabrella. These 3 extracts are only manufactured by Hollister-Stier. The Poa genus is found in the Poaceae family.

Parent Product

602 - Pollens - Grasses, Bluegrass, Big Poa ampla

Published Data

There is cross-reactivity among Poa species (PMID 15283881) which includes standardized Poa pretensis.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
594_CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004

Panels:

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

**Product: 603 - Pollens - Grasses, Bluegrass, Canada Poa compressa**

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: grass pollen allergy; Canada bluegrass, allergy, immunotherapy, Poa compressa, allergy and immunotherapy  
Google: Canada bluegrass pollen allergy; Canada bluegrass pollen allergy adverse; Canada bluegrass pollen allergen; Canada bluegrass pollen allergen adverse; same search results performed for Poa compressa pollen

Nomenclature

According to ITIS, the scientific name is Poa compressa. Common names are Canda bluegrass and flat-stem blue grass. The scientific and common names are correct and current. The Poa genus is found in the Poaceae family.

Parent Product

603 - Pollens - Grasses, Bluegrass, Canada Poa compressa

Published Data

There is cross-reactivity among Poa species (PMID 15283881) which includes standardized Poa pretensis.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
594_CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	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: 604 - Pollens - Grasses, Bluegrass, Fowl (Flas Redtop) Poa palustris**

**Recommended Common Name** Bluegrass, Fowl

**Manufacturers of this Product**

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

**Search Strategy**

PubMed: grass pollen allergy; fowl bluegrass, allergy, immunotherapy; Poa palustris, allergy and immunotherapy

Google: Fowl bluegrass pollen allergy; Fowl bluegrass pollen allergy adverse; Fowl bluegrass pollen allergen; Fowl bluegrass pollen allergen adverse; same search results performed for Poa palustris pollen

**Nomenclature**

According to ITIS, the scientific name is Poa palustris. Common names are fowl blue grass and fowl bluegrass. Flas redtop is not listed as a common name. The scientific name is correct and current. The common name needs to be updated. Synonyms are Poa crocata, Poa everdamii, and Poa triflora. The Poa genus is found in the Poaceae family.

**Parent Product**

604 - Pollens - Grasses, Bluegrass, Fowl (Flas Redtop) Poa palustris

**Published Data**

There is cross-reactivity among Poa species (PMID 15283881) which includes standardized Poa pretensis.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
594_CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004

**Panels:**

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

**Product: 605 - Pollens - Grasses, Bluegrass, Native Poa scabrella**

**Recommended Common Name** Bluegrass, Sandberg

**Recommended Scientific Name** Poa secunda

**Manufacturers of this Product**

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

**Search Strategy**

PubMed: grass pollen allergy; native bluegrass, allergy, immunotherapy, Poa scabrella, allergy and immunotherapy; Poa secunda, allergy and immunotherapy

Google: Native bluegrass pollen allergy; Native bluegrass pollen allergy adverse; Native bluegrass pollen allergen; Native bluegrass pollen allergen adverse; same search results performed for Poa scabrella pollen

**Nomenclature**

According to ITIS, the current name of Poa scabrella is Poa secunda. Common names are big bluegrass, Sandberg bluegrass and Sandberg's bluegrass. The scientific and common names need to be updated. Other synonyms include: P. sandbergii and P. ampla. The Poa genus is found in the Poaceae family.

**Parent Product**

605 - Pollens - Grasses, Bluegrass, Native Poa scabrella

**Published Data**

There is cross-reactivity among Poa species (PMID 15283881) which includes standardized Poa pretensis

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
594_CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004

**Panels:**

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

**Product: 606 - Pollens - Grasses, Bluegrass, Sandberg Poa sandbergii**

Recommended Scientific Name Poa secunda

Manufacturers of this Product

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

Search Strategy

PubMed: grass pollen allergy; sandberg bluegrass, allergy, immunotherapy, Poa sandbergii, allergy and immunotherapy; Poa secunda, allergy and immunotherapy

Google: Sandberg bluegrass pollen allergy; Sandberg bluegrass pollen allergy adverse; Sandberg bluegrass pollen allergen; Sandberg bluegrass pollen allergen adverse; same search results performed for Poa sandbergii pollen

Nomenclature

According to ITIS, the current name of Poa sandbergii is Poa secunda. Common names are big bluegrass, Sandberg bluegrass and Sandberg's bluegrass. The common name is correct and current. The scientific name needs to be updated. Other synonyms include: P. scabrella and Poa ampla. The Poa genus is found in the Poaceae family.

Parent Product

606 - Pollens - Grasses, Bluegrass, Sandberg Poa sandbergii

Published Data

There is cross-reactivity among Poa species (PMID 15283881) which includes standardized Poa pretensis

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
594_CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004

**Panels:**

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

**Product: 607 - Pollens - Grasses, Bluegrass, Shady (Rough) Poa trivialis**

**Recommended Common Name** Bluegrass, Rough

**Manufacturers of this Product**

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

**Search Strategy**

PubMed: grass pollen allergy; rough bluegrass, allergy, immunotherapy, Poa trivialis, allergy and immunotherapy

Google: Rough bluegrass pollen allergy; Rough bluegrass pollen allergy adverse; Rough bluegrass pollen allergen; Rough bluegrass pollen allergen adverse; same search results performed for Poa trivialis pollen

**Nomenclature**

According to ITIS, the scientific name is Poa trivialis. Common name is rough bluegrass. The scientific name is correct and current. The common name needs to be updated. The Poa genus is found in the Poaceae family.

**Parent Product**

607 - Pollens - Grasses, Bluegrass, Shady (Rough) Poa trivialis

**Published Data**

There is cross-reactivity among Poa species (PMID 15283881) which includes standardized Poa pretensis.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
594_CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004

**Panels:**

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

**Product: 608 - Pollens - Grasses, Brome Broncho-Ripgut Bromus rigidus**

**Recommended Common Name** Brome, Ripgut

**Recommended Scientific Name** Bromus diandrus

**Manufacturers of this Product**

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

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

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

**Search Strategy**

PubMed: Grass Pollen allergy; Bromus rigidus, Bromus rigidus pollen, Bromus rigidus pollen allergy, Bromus rigidus pollen immunotherapy

Google: Bromus rigidus pollen allergy; Bromus rigidus pollen allergy adverse; Bromus rigidus pollen allergen; Bromus rigidus pollen allergen adverse

**Nomenclature**

According to ITIS, the current name of Bromus rigidus is Bromus diandrus. Common name is ripgut brome. The scientific and common names need to be updated. The Bromus genus is found in the Poaceae family.

**Parent Product**

608 - Pollens - Grasses, Brome Broncho-Ripgut Bromus rigidus

**Published Data**

Brome or soft chess (B. mollis) is the prototype species. Other species include smooth Brome (B. inermis), California Brome (B. carinatus), soft chess or brome chess, and cheat or rye brome (B. secalinus).

PMIDs 8224835 and 8428038 support diagnostic use for Brome Grass.

PMID 735982 supports immunotherapy with Brome grasses.

PMID 15283881 supports cross-reactivity between species within the subfamily Pooideae.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
608_extended eval of skin testing.pdf	8224835	Chiu, J.T.	1993
608_skin prick tests to common allergens.pdf	8428038	Grabbe, J.	1993
594_CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004
594_Frequency of sensitization to different pollen groups an	735982	Martin-Gil, D.	1978

<b>Panels:</b>	<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: 609 - Pollens - Grasses, Brome, California Bromus carinatus**

**Manufacturers of this Product**

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

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

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

**Search Strategy**

PubMed: grass pollen allergy; Bromus carinatus, allergy, immunotherapy; californnia brome, allergy, immunotherapy

Google: Bromus carinatus pollen allergy; Bromus carinatus pollen allergy adverse; Bromus carinatus pollen allergen; Bromus carinatus pollen allergen adverse

**Nomenclature**

According to ITIS, the scientific name is Bromus carinatus. The common names are California brome and mountain brome. The scientific and common names are correct and current. Synonyms are Bromus carinatus var. californicus, B. carinatus var. hookerianus, B. lacinatus, and Ceratochloa carinata. The Bromus genus is found in the Poaceae family.

**Parent Product**

609 - Pollens - Grasses, Brome, California Bromus carinatus

**Published Data**

Brome or soft chess (B. mollis) is the prototype species. Other species include smooth Brome (B. inermis), soft chess or brome chess, cheat or rye brome (B. secalinus) and ripgut grass (B. rigidus).

PMIDs 8224835 and 8428038 support diagnostic use for Brome Grass.

PMID 735982 supports immunotherapy with Brome grasses.

PMID 15283881 supports cross-reactivity between species within the subfamily Pooideae.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
608_extended eval of skin testing.pdf	8224835	Chiu, J.T.	1993
608_skin prick tests to common allergens.pdf	8428038	Grabbe, J.	1993
594_Frequency of sensitization to different pollen groups an	735982	Martin-Gil, D.	1978
594_CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	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: 610 - Pollens - Grasses, Brome, Cheat Bromus secalinus**

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)  
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)  
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)  
Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)  
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

**Search Strategy**

PubMed: grass pollen allergy; Cheat Brome, cheat brome pollen, allergy, immunotherapy; Bromus secalinus, pollen, allergy, immunotherapy

Google: Cheat bromus pollen allergy; Cheat bromus pollen allergy adverse; Cheat bromus pollen allergen; Cheat bromus pollen allergen adverse

**Nomenclature**

According to ITIS, the scientific name is Bromus secalinus. The common names are brome, chess, brome grass and cheat. The scientific and common names are correct and current. Synonyms are Bromus secalinus var. hirsutus and B. secalinus var. hirtus. The Bromus genus is found in the Poaceae family.

**Parent Product**

610 - Pollens - Grasses, Brome, Cheat Bromus secalinus

**Published Data**

Brome or soft chess (*B. mollis*) is the prototype species. Other species include smooth Brome (*B. inermis*), California Brome (*B. carinatus*), soft chess or brome chess, and riggut grass (*B. rigidus*).

PMIDs 8224835 and 8428038 support diagnostic use for Brome Grass.

PMID 735982 supports immunotherapy with Brome grasses.

PMID 15283881 supports cross-reactivity between species within the subfamily Pooideae.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
608_extended eval of skin testing.pdf	8224835	Chiu, J.T.	1993
608_skin prick tests to common allergens.pdf	8428038	Grabbe, J.	1993
594_Frequency of sensitization to different pollen groups an	735982	Martin-Gil, D.	1978
594_CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	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: 611 - Pollens - Grasses, Brome, Corn Millet**

**Recommended Common Name** Millet, Broomcorn

**Recommended Scientific Name** Panicum miliaceum

**Manufacturers of this Product**

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

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

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

**Search Strategy**

PubMed: grass pollen allergy; Corn millet brome, corn millet

Google: Corn millet pollen allergy; Corn millet pollen allergy adverse; Corn millet pollen allergen; Corn millet pollen allergen adverse

**Nomenclature**

According to ITIS, the only corn millet is broomcorn millet, genus and species Panicum miliaceum. Common names are blackseeded proso millet, broomcorn millet, broomcorn panic, hog millet, panic millet, panicum, proso, proso millet, wild millet, wild proso millet. The scientific and common names need to be updated. The Panicum genus is found in the Poaceae family.

**Parent Product**

611 - Pollens - Grasses, Brome, Corn Millet

**Published Data**

PMID 15283881 supports cross-reactivity between species within the Panicoideae subfamily and Paniceae tribe. This grass is in the same tribe and subfamily as Bahia for which there is extensive evidence of the effectiveness of diagnosis and therapy

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
594_CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004

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

**Product: 612 - Pollens - Grasses, Brome, Fringed Bromus ciliatus**

**Manufacturers of this Product**

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

**Search Strategy**

PubMed: grass pollen; Fringed Brome, fringed brome pollen, allergy, immunotherapy, Bromus ciliatus pollen, allergy, immunotherapy

Google: Bromus ciliatus pollen allergy; Bromus ciliatus pollen allergy adverse; Bromus ciliatus pollen allergen; Bromus ciliatus pollen allergen adverse

**Nomenclature**

According to ITIS, the scientific name is Bromus ciliatus, is correct and current. The common name is fringed brome. The scientific and common names are correct and current. The Bromus genus is found in the Poaceae family.

**Parent Product**

612 - Pollens - Grasses, Brome, Fringed Bromus ciliatus

**Published Data**

Brome or soft chess (B. mollis) is the prototype species. Other species include smooth Brome (B. inermis), California Brome (B. carinatus), soft chess or brome chess, cheat or rye brome (B. secalinus) and ripgut grass (B. rigidus).

PMIDs 8224835 and 8428038 support diagnostic use for Brome Grass.

PMID 735982 supports immunotherapy with Brome grasses.

PMID 15283881 supports cross-reactivity between species within the subfamily Pooideae.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
608_extended eval of skin testing.pdf	8224835	Chiu, J.T.	1993
608_skin prick tests to common allergens.pdf	8428038	Grabbe, J.	1993
594_Frequency of sensitization to different pollen groups an	735982	Martin-Gil, D.	1978
594_CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004

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

**Product: 613 - Pollens - Grasses, Brome, Giant Bromus grandis**

Recommended Common Name Brome, Tall

Manufacturers of this Product

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

Search Strategy

PubMed - grass pollen allergy; Giant Brome, pollen, allergy, immunotherapy; Bromus grandis, pollen, allergy, immunotherapy  
Google: Bromus grandis pollen allergy; Bromus grandis pollen allergy adverse; Bromus grandis pollen allergen; Bromus grandis pollen allergen adverse

Nomenclature

According to ITIS, the scientific name is Bromus grandis. The common name is tall brome. The scientific name is correct and current. The common name needs to be updated. Synonyms are Bromopsis grandis, Bromus orcuttianus var. grandis, and Bromus porteri var. assimilis. The Bromus genus is found in the Poaceae family.

Parent Product

613 - Pollens - Grasses, Brome, Giant Bromus grandis

Published Data

Brome or soft chess (B. mollis) is the prototype species. Other species include smooth Brome (B. inermis), California Brome (B. carinatus), soft chess or brome chess, cheat or rye brome (B. secalinus) and ripgut grass (B. rigidus).

PMIDs 8224835 and 8428038 support diagnostic use for Brome Grass.

PMID 735982 supports immunotherapy with Brome grasses.

PMID 15283881 supports cross-reactivity between species within the subfamily Pooideae.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
608_ skin prick tests to common allergens.pdf	8428038	Grabbe, J.	1993
594_ Frequency of sensitization to different pollen groups an	735982	Martin-Gil, D.	1978
608_ extended eval of skin testing.pdf	8224835	Chiu, J.T.	1993
594_ CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004

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

**Product: 614 - Pollens - Grasses, Brome, Hungarian, Romus inermis**

**Recommended Common Name** Brome, Smooth

**Recommended Scientific Name** Bromus inermis

**Manufacturers of this Product**

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

**Search Strategy**

PubMed: grass pollen allergy; Bromus inermis

Google: Bromus inermis pollen allergy; Bromus inermis pollen allergy adverse; Bromus inermis pollen allergen; Bromus inermis pollen allergen adverse

**Nomenclature**

According to ITIS, the spelling of Romus inermis is Bromus inermis. Common names are awnless brome and smooth brome. The scientific and common names need to be updated. The Bromus genus is found in the Poaceae family. The common name of Hungarian brome was not found in ITIS or PLANTS database. Both databases reference a Bromus inermis (common name smooth brome).

**Parent Product**

616 - Pollens - Grasses, Brome, Smooth Bromus inermis

**Related Products**

614 - Pollens - Grasses, Brome, Hungarian, Romus inermis

**Published Data**

Brome or soft chess (B. mollis) is the prototype species. Other species include California Brome (B. carinatus), soft chess or brome chess, cheat or rye brome (B. secalinus) and ripgut grass (B. rigidus).

PMIDs 8224835 and 8428038 support diagnostic use for Brome Grass.

PMID 735982 supports immunotherapy with Brome grasses.

PMID 15283881 supports cross-reactivity between species within the subfamily Pooideae.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
594_ Frequency of sensitization to different pollen groups an	735982	Martin-Gil, D.	1978
608_ extended eval of skin testing.pdf	8224835	Chiu, J.T.	1993
594_ CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004
608_ skin prick tests to common allergens.pdf	8428038	Grabbe, J.	1993

**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: 615 - Pollens - Grasses, Brome, Mountain (roadside) Bromus marginatus**

**Recommended Common Name** Brome, Mountain

**Manufacturers of this Product**

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

**Search Strategy**

PubMed - grass pollen allergy; Mountain Brome, pollen, allergy, immunotherapy, Bromus marginatus

Google: Bromus marginatus pollen allergy; Bromus marginatus pollen allergy adverse; Bromus marginatus pollen allergen; Bromus marginatus pollen allergen adverse

**Nomenclature**

According to ITIS, the scientific name is Bromus marginatus. Common name is mountain brome. The scientific name is correct and current. The common name needs to be updated. Synonyms are Bromus breviaristatus, B. carinatus var. linearis, B. marginatus var. breviaristatus, B. marginatus var. latior, B. marginatus var. seminudus, B. sitchensis var. marginatus, B. subvelutinus, and Ceratochloa marginata. The Bromus genus is found in the Poaceae family.

**Parent Product**

615 - Pollens - Grasses, Brome, Mountain (roadside) Bromus marginatus

**Published Data**

Brome or soft chess (B. mollis) is the prototype species. Other species include smooth or Hungarian Brome (B. inermis), California Brome (B. carinatus), soft chess or brome chess, cheat or rye brome (B. secalinus) and ripgut grass (B. rigidus).

PMIDs 8224835 and 8428038 support diagnostic use for Brome Grass.

PMID 735982 supports immunotherapy with Brome grasses.

PMID 15283881 supports cross-reactivity between species within the subfamily Pooideae.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
608_extended eval of skin testing.pdf	8224835	Chiu, J.T.	1993
608_skin prick tests to common allergens.pdf	8428038	Grabbe, J.	1993
594_Frequency of sensitization to different pollen groups an	735982	Martin-Gil, D.	1978
594_CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004

**Panels:**

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

**Product: 616 - Pollens - Grasses, Brome, Smooth Bromus inermis**

**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: grass pollen allergy; Bromus inermis  
Google: Bromus inermis pollen allergy; Bromus inermis pollen allergy adverse; Bromus inermis pollen allergen; Bromus inermis pollen allergen adverse

**Nomenclature**

According to ITIS, the scientific name is Bromus inermis. Common names are awnless brome and smooth brome. The scientific and common names are correct and current. The Bromus genus is found in the Poaceae family.

**Parent Product**

616 - Pollens - Grasses, Brome, Smooth Bromus inermis

**Related Products**

614 - Pollens - Grasses, Brome, Hungarian, Romus inermis

**Published Data**

Brome or soft chess (B. mollis) is the prototype species. Other species include California Brome (B. carinatus), soft chess or brome chess, cheat or rye brome (B. secalinus) and ripgut grass (B. rigidus).

PMIDs 8224835 and 8428038 support diagnostic use for Brome Grass.

PMID 735982 supports immunotherapy with Brome grasses.

PMID 15283881 supports cross-reactivity between species within the subfamily Pooideae.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
608_ extended eval of skin testing.pdf	8224835	Chiu, J.T.	1993
608_ skin prick tests to common allergens.pdf	8428038	Grabbe, J.	1993
594_ Frequency of sensitization to different pollen groups an	735982	Martin-Gil, D.	1978
594_ CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004

<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: 617 - Pollens - Grasses, Brome, Soft Cheat Bromus mollis**

**Recommended Common Name** Brome, Soft

**Recommended Scientific Name** Bromus hordeaceus ssp. hordeaceus

**Manufacturers of this Product**

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

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

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

**Search Strategy**

PubMed: Grass Pollen allergy; Bromus hordeaceus, pollen, allergy, immunotherapy, Soft Cheat Brome, pollen, allergy, immunotherapy; Soft Chess Brome, allergy, immunotherapy

Google: Bromus hordeaceus pollen allergy; Bromus hordeaceus pollen allergy adverse; Bromus hordeaceus pollen allergen; Bromus hordeaceus pollen allergen adverse

**Nomenclature**

According to ITIS, the current name of Bromus mollis is Bromus hordeaceus ssp. hordeaceus. Common names are downy brome and soft brome. The scientific and common names need to be updated. The Bromus genus is found in the Poaceae family.

**Parent Product**

617 - Pollens - Grasses, Brome, Soft Cheat Bromus mollis

**Published Data**

Brome or soft chess (B. mollis) is the prototype species. Other species include smooth Brome (B. inermis), California Brome (B. carinatus), soft chess or brome chess, cheat or rye brome (B. secalinus) and riggut grass (B. rigidus).

PMIDs 8224835 and 8428038 support diagnostic use for Brome Grass.

PMID 735982 supports immunotherapy with Brome grasses.

PMID 15283881 supports cross-reactivity between species within the subfamily Pooideae.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
608_extended eval of skin testing.pdf	8224835	Chiu, J.T.	1993
608_skin prick tests to common allergens.pdf	8428038	Grabbe, J.	1993
594_Frequency of sensitization to different pollen groups an	735982	Martin-Gil, D.	1978
594_CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004

<b>Panels:</b>	<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: 618 - Pollens - Grasses, Brome, Southern Chess Bromus uniloides**

**Recommended Common Name** Brome, Rescue

**Recommended Scientific Name** Bromus catharticus

**Manufacturers of this Product**

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

**Search Strategy**

PubMed: Grass Pollen allergy; Bromus cartharticus, pollen, allergy, immunotherapy, Rescue grass, pollen, allergy, immunotherapy

Google: Bromus catharticus pollen allergy; Bromus catharticus pollen allergy adverse; Bromus catharticus pollen allergen; Bromus catharticus pollen allergen adverse

**Nomenclature**

According to ITIS, the current name of Bromus uniloides is B. catharticus. Common names are rescue brome and rescue grass. The scientific and common names need to be updated. Synonyms are Bromus brevis, B. haenkeanus, B. unioloides, B. willdenowii, Ceratochloa cathartica, C. unioloides, C. willdenowii, and Festuca unioloides. The Bromus genus is found in the Poaceae family.

**Parent Product**

618 - Pollens - Grasses, Brome, Southern Chess Bromus uniloides

**Published Data**

Brome or soft chess (B. mollis) is the prototype species. Other species include smooth Brome (B. inermis), California Brome (B. carinatus), soft chess or brome chess, cheat or rye brome (B. secalinus) and ripgut grass (B. rigidus).

PMIDs 8224835 and 8428038 support diagnostic use for Brome Grass.

PMID 735982 supports immunotherapy with Brome grasses.

PMID 15283881 supports cross-reactivity between species within the subfamily Pooideae.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
608_ extended eval of skin testing.pdf	8224835	Chiu, J.T.	1993
608_ skin prick tests to common allergens.pdf	8428038	Grabbe, J.	1993
594_ Frequency of sensitization to different pollen groups an	735982	Martin-Gil, D.	1978
594_ CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004

**Panels:**

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

**Product: 619 - Pollens - Grasses, Bunch, Blue (Northwest Bunch) Agropyron spicatum**

**Recommended Common Name** Wheatgrass, Bluebunch

**Recommended Scientific Name** Pseudoroegneria spicata

**Manufacturers of this Product**

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

**Search Strategy**

PubMed: grass pollen allergy; Pseudoroegneria spicata

Google: Pseudoroegneria spicata pollen allergy; Pseudoroegneria spicata pollen allergy adverse; Pseudoroegneria spicata pollen allergen; Pseudoroegneria spicata pollen allergen adverse

**Nomenclature**

According to ITIS, the current name Agropyron spicatum is Pseudoroegneria spicata. Common names are bluebunch wheatgrass or bluebunch-wheat grass. The scientific and common names need to be updated. Synonyms are Agropyron spicatum, A. spicatum var. pubescens, A. vaseyi, Elymus spicatus, Elytrigia spicata, and Roegneria spicata. The Pseudoroegneria genus is found in the Poaceae family.

**Parent Product**

619 - Pollens - Grasses, Bunch, Blue (Northwest Bunch) Agropyron spicatum

**Published Data**

PMID 15283881 supports cross-reactivity between species within the subfamily Pooideae. This grass is in the same subfamily as the standardized grasses and in the same tribe and subfamily for non-standardized grasses (e.g, barley, quack) for which there are supporting diagnostic and/or immunotherapy data,

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
594_CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004

**Panels:**

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

**Product: 620 - Pollens - Grasses, Canary Grass Phalaris spp.**

Recommended Scientific Name Phalaris, (species to be specified)

Manufacturers of this Product

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

Search Strategy

PubMed: grass pollen allergy; Canary grass pollen allergy

Google: Canary grass pollen allergy; Canary grass pollen allergy adverse; Canary grass pollen allergen; Canary grass pollen allergen adverse; same search results performed for Phalaris pollen

Nomenclature

According to ITIS, there are 12 species within the Phalaris genus. The common name for Phalaris is canarygrass. The scientific and common names need to be updated. The Phalaris genus is found in the Poaceae family.

Parent Product

620 - Pollens - Grasses, Canary Grass Phalaris spp.

Published Data

PMID 15283881 supports cross-reactivity between species within the subfamily Pooideae.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
594_CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004

**Panels:**

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

**Product: 621 - Pollens - Grasses, Canary Grass, California Phalaris californica**

**Manufacturers of this Product**

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

**Search Strategy**

PubMed: grass pollen allergy; Canary grass pollen allergy

Google: Canary grass pollen allergy; Canary grass pollen allergy adverse; Canary grass pollen allergen; Canary grass pollen allergen adverse; same search results performed for Phalaris californica pollen

**Nomenclature**

According to ITIS, the scientific name is Phalaris californica. The common name is California canarygrass. The scientific and common names are correct and current. The Phalaris species is found in the Poaceae family.

**Parent Product**

621 - Pollens - Grasses, Canary Grass, California Phalaris californica

**Published Data**

PMID 15283881 supports cross-reactivity between species within the subfamily Pooideae.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
594_CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004

**Panels:**

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

**Product: 622 - Pollens - Grasses, Canary Grass, Carolina Phalaris caroliniana**

**Manufacturers of this Product**

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

**Search Strategy**

Pub Med: grass pollen allergy; Canary grass pollen allergy

Google: Canary grass pollen allergy; Canary grass pollen allergy adverse; Canary grass pollen allergen; Canary grass pollen allergen adverse; same search results performed for Phalaris caroliniana pollen

**Nomenclature**

According to ITIS, the scientific name is Phalaris caroliniana. The common name is Carolina canarygrass. The scientific and common names are correct and current. The Phalaris species is found in the Poaceae family.

**Parent Product**

622 - Pollens - Grasses, Canary Grass, Carolina Phalaris caroliniana

**Published Data**

PMID 15283881 supports cross-reactivity between species within the subfamily Pooideae.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
594_CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004

**Panels:**

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

**Product: 623 - Pollens - Grasses, Canarygrass Phalaris canariensis**

**Recommended Common Name**    Canarygrass, Common

**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: grass pollen allergy; Canary grass pollen allergy  
Google: Canary grass pollen allergy; Canary grass pollen allergy adverse; Canary grass pollen allergen; Canary grass pollen allergen adverse; same search results performed for Phalaris canariensis pollen

**Nomenclature**

According to ITIS, the scientific name is Phalaris canariensis. Common names are annual canarygrass and common canary grass. The Phalaris genus is found in the Poaceae family.

**Parent Product**

623 - Pollens - Grasses, Canarygrass Phalaris canariensis

**Published Data**

PMID 15283881 supports cross-reactivity between species within the subfamily Pooideae

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
594_CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	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: 624 - Pollens - Grasses, Canarygrass Phalaris paradoxa**

**Recommended Common Name**    Canarygrass, Hood

**Manufacturers of this Product**

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

**Search Strategy**

PubMed: grass pollen allergy; Canary grass pollen allergy

Google: Canary grass pollen allergy; Canary grass pollen allergy adverse; Canary grass pollen allergen; Canary grass pollen allergen adverse; same search results performed for Phalaris paradoxa pollen

**Nomenclature**

According to ITIS, the scientific name is Phalaris paradoxa. The common name is hood canarygrass. The scientific name is correct and current. The common name needs to be updated. Synonym is Phalaris paradoxa var. praemorsa. The Phalaris genus is found in the Poaceae family.

**Parent Product**

624 - Pollens - Grasses, Canarygrass Phalaris paradoxa

**Published Data**

PMID 15283881 supports cross-reactivity between species within the subfamily Pooideae

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
594_CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004

**Panels:**

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

**Product: 625 - Pollens - Grasses, Canarygrass, Reed Phalaris arundinacea**

**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: grass pollen allergy; Canary grass pollen allergy

Google: Canary grass pollen allergy; Canary grass pollen allergy adverse; Canary grass pollen allergen; Canary grass pollen allergen adverse; same search results performed for Phalaris arundinacea pollen

**Nomenclature**

According to ITIS, the scientific name is Phalaris arundinacea. Common names are reed canary grass and reed canarygrass. The scientific and common names are correct and current. Synonyms are Phalaris arundinacea var. picta, Phalaroides arundinacea, and Phalaroides arundiinacea var. picta. The Phalaris genus is found in the Poaceae family.

**Parent Product**

625 - Pollens - Grasses, Canarygrass, Reed Phalaris arundinacea

**Related Products**

626 - Pollens - Grasses, Canarygrass, Small Phalaris arundinaceae

**Published Data**

PMID 15283881 supports cross-reactivity between species within the subfamily Pooideae.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
595_ characteristics and immunobio of grass pollen allergens.	12673063	Andersson, K.	2003
595_ grass pollen allergens.pdf	15042916	Esch, R.E.	2004
595_ immunobiology of grass pollen allergens.pdf	16091211	Mohapatra, S.S.	2005
594_ CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	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: 626 - Pollens - Grasses, Canarygrass, Small Phalaris arundinaceae**

**Recommended Common Name**      Canarygrass, Reed

**Recommended Scientific Name**      Phalaris arundinacea

**Manufacturers of this Product**

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

**Search Strategy**

Pub Med: grass pollen allergy; Canary grass pollen allergy

Google: Canary grass pollen allergy; Canary grass pollen allergy adverse; Canary grass pollen allergen; Canary grass pollen allergen adverse; same search results performed for Phalaris arundinacea pollen

**Nomenclature**

According to ITIS, the current spelling of Phalaris arundinaceae is Phalaris arundinacea. Common names are reed canary grass and reed canarygrass. The scientific and common names need to be updated. Synonyms are Phalaris arundinacea var. picta, Phalaroides arundinacea, and Phalaroides arundiinacea var. picta. The Phalaris genus is found in the Poaceae family.

**Parent Product**

625 - Pollens - Grasses, Canarygrass, Reed Phalaris arundinacea

**Related Products**

626 - Pollens - Grasses, Canarygrass, Small Phalaris arundinaceae

**Published Data**

PMID 15283881 supports cross-reactivity between species within the subfamily Pooideae

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
594_CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	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: 627 - Pollens - Grasses, Canarygrass, Small Phalaris minor**

**Recommended Common Name**    Canarygrass, Littleseed

**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: grass pollen allergy; Canary grass pollen allergy  
Google: Canary grass pollen allergy; Canary grass pollen allergy adverse; Canary grass pollen allergen; Canary grass pollen allergen adverse; same search results performed for Phalaris minor pollen

**Nomenclature**

According to ITIS, the scientific name is Phalaris minor. Common names are canarygrass and littleseed canarygrass. The scientific name is correct and current. The common name needs to be updated. The Phalaris genus is found in the Poaceae family.

**Parent Product**

627 - Pollens - Grasses, Canarygrass, Small Phalaris minor

**Published Data**

PMID 15283881 supports cross-reactivity between species within the subfamily Pooideae

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
594_CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004

<b>Panels:</b>	<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: 628 - Pollens - Grasses, Cattail Typha latifolia**

**Manufacturers of this Product**

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

**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 pollen

**Nomenclature**

According to ITIS, the scientific name Typha latifolia, is correct and current. Common names are broadleaf cattail, cattail, and common cattrail. 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:**

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

**Product: 629 - Pollens - Grasses, Chess, Southern**

**Recommended Scientific Name** Bromus catharticus

**Manufacturers of this Product**

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

**Search Strategy**

PubMed: Grass pollen allergy; Bromus cartharticus, pollen, allergy, immunotherapy; Rescue grass, pollen, allergy, immunotherapy

Google: Bromus catharticus pollen allergy; Bromus catharticus pollen allergy adverse; Bromus catharticus pollen allergen; Bromus catharticus pollen allergen adverse

**Nomenclature**

According to ITIS, the current name of Southern Chess is Bromus catharticus. Common names are rescue brome and rescue grass. The common name is correct and current. The scientific name needs to be updated. Synonyms are Bromus brevis, B. haenkeanus, B. unioloides, B. willdenowii, Ceratochloa cathartica, C. unioloides, C. willdenowii, and Festuca unioloides. The Bromus genus is found in the Poaceae family.

**Parent Product**

629 - Pollens - Grasses, Chess, Southern

**Published Data**

Panel I stated that (pg 3146) the bromes are annual or perennial grasses which are found in Europe and in much of the US, particularly in the western US. Some are important forage grasses in the mountainous regions of the US. Brome or soft chess (B. mollis) is the prototype species. Other species include smooth or Hungarian Brome (B. inermis), California Brome (B. carinatus), soft chess or brome chess, cheat or rye brome (B. secalinus) and riggut grass (B. rigidus). The brome grasses usually pollinate in June or July. Most shed relatively little pollen and they are not regarded as major causes of hay fever, though they may occasionally be contributing factors (Refs. 43, 45 and 152). Two references supported effectiveness for diagnosis (Refs. 42 and 99).

Two articles supporting diagnostic use for Brome grass (genus and species not given). PMID 8428038 Brome is a component in an allergenic mixture. PMID 8224835, Brome grass was used as one of the allergen extracts for Diagnostc Skin Testing Practices. One article directly supports the effectiveness of immunotherapy with another Bromus species, i.e., Bromis mollis (PMID 735982). PMID 15283881 supports cross-reactivity between species within the subfamily Pooideae.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
594_ CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004
608_ extended eval of skin testing.pdf	8224835	Chiu, J.T.	1993
608_ skin prick tests to common allergens.pdf	8428038	Grabbe, J.	1993
594_ Frequency of sensitization to different pollen groups an	735982	Martín-Gil, D.	1978

**Panels:**

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

**Product: 630 - Pollens - Grasses, Corn, Cultivated Zea mays**

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

**Search Strategy**

PubMed: zea mays pollen; zea mays allergy  
Google: Zea mays pollen allergy; Zea mays pollen allergy adverse; Zea mays pollen allergen; Zea mays pollen allergen adverse

**Nomenclature**

According to ITIS, the scientific name, Zea mays, is correct and current. The common name is corn. There is one variety and two subspecies of Z. mays. The Zea genus is found in the Poaceae family.

**Parent Product**

573 - Pollens - Cultivated Farm Plants, Corn Zea mays

**Related Products**

630 - Pollens - Grasses, Corn, Cultivated Zea mays

**Published Data**

PMID 735982 - Zea mays pollen is one of nine pollens tested as a mixture. PMID 2794291 – Corn pollen extracts were found to be in the second quartile of cumulative prevalence as a result of skin prick testing. PMID 14982529 is a case report where the subject had positive skin prick test results to maize pollen but negative skin prick test results to a battery of allergens (at least 27 different pollen extracts were tested). Total IgE was 1751 IU/mL. Maize pollen specific IgE (CAP system) was 4.28 kU/L, but negative for grass pollens. A patient received immunotherapy with maize pollen extract. Article concluded that immunotherapy with maize pollen extract is safe and effective.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
594_ Frequency of sensitization to different pollen groups an	735982	Martin-Gil, D.	1978
648_ J Allergy Clin Immunol 84-465 .pdf	2794291	Lucas, S.K.	1989
630_ Allergy-59-365.pdf	14982529	Gonzalo-Garijo, M.A.	2004

**Panels:**

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

**Product: 631 - Pollens - Grasses, Dallis Grass Paspalum dilatatum**

Recommended Scientific Name Paspalum dilatatum

Manufacturers of this Product

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

Search Strategy

PubMed: Grass Pollen allergy; Paspalum dilatatum, allergy; dallas grass pollen allergy

Google: Paspalum dilatatum pollen allergy; Paspalum dilatatum pollen allergy adverse; Paspalum dilatatum pollen allergen; Paspalum dilatatum pollen allergen adverse

Nomenclature

According to ITIS, the current spelling of Paspalum dilitatum is Paspalum dilatatum. Common names are dallas grass, dallies grass, and water grass. The common name is correct and current. The scientific name needs to be updated. The Paspalum genus is found in the Poaceae family.

Parent Product

631 - Pollens - Grasses, Dallis Grass Paspalum dilatatum

Published Data

PMID 15283881 supports cross-reactivity between species within the Panicoideae subfamily and Paniceae tribe. This grass is in the same tribe and subfamily as Bahia for which there is extensive evidence of the effectiveness of diagnosis and immunotherapy.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
594_CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	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: 632 - Pollens - Grasses, Dogtail Grass Cynosurus cristatus**

**Recommended Common Name** Dogstail, Crested Grass

**Manufacturers of this Product**

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

**Search Strategy**

PubMed: grass pollen allergy; Dogtail grass, cynosurus cristatus allergy

Google: Cynosurus cristatus pollen allergy; Cynosurus cristatus pollen allergy adverse; Cynosurus cristatus pollen allergen; Cynosurus cristatus pollen allergen adverse

**Nomenclature**

According to ITIS, the scientific name is Cynosurus cristatus. The common name is crested dogstail grass. The scientific name is correct and current. The common name needs to be updated. The Cynosurus genus is found in the Poaceae family.

**Parent Product**

632 - Pollens - Grasses, Dogtail Grass Cynosurus cristatus

**Published Data**

One paper directly supports the effectiveness of diagnosis. PMID 8428038 Dogstail is one of twelve grass pollens used in a mixture. One paper directly supports diagnosis and therapy.

PMID 735982 Uses Cynosurus cristatus in a mixture. Since these papers use mixtures, they are not relevant to this product. PMID 15283881 also supports cross-reactivity between species within the Pooideae subfamily and Poeae tribe. The grass belongs to the same tribe as standardized extracts of Kentucky Bluegrass, Orchard, Meadow Fescue and Perennial Rye

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
608_ skin prick tests to common allergens.pdf	8428038	Grabbe, J.	1993
594_ Frequency of sensitization to different pollen groups an	735982	Martin-Gil, D.	1978
594_ CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004

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

**Product: 633 - Pollens - Grasses, Dropseed Sporobolus airoides**

**Recommended Common Name** Sacaton, Alkali

**Recommended Scientific Name** Sporobolus airoides

**Manufacturers of this Product**

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

**Search Strategy**

PubMed: grass pollen allergy; dropseed grass pollen allergy or sporobolus pollen allergy

Google: Sporobolus airoides pollen allergy; Sporobolus airoides pollen allergy adverse; Sporobolus airoides pollen allergen; Sporobolus airoides pollen allergen adverse

**Nomenclature**

According to ITIS, the correct spelling of Sporobolus airoides is Sporobolus airoides. The common name is alkali sacaton. The scientific and common names need to be updated. Synonym is Agrostis airoides. The Sporobolus genus is found in the Poaceae family.

**Parent Product**

633 - Pollens - Grasses, Dropseed Sporobolus airoides

**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: 634 - Pollens - Grasses, Fescue, Rattail Festuca myuros**

Recommended Scientific Name Vulpia myuros

Manufacturers of this Product

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

Search Strategy

PubMed: grass pollen allergy; Rattail fescue pollen allergy and foxtail fescue pollen allergy

Google: Festuca myuros pollen allergy; Festuca myuros pollen allergy adverse; Festuca myuros pollen allergen; Festuca myuros pollen allergen adverse

Nomenclature

According to ITIS, the current name of Festuca myuros is Vulpia myuros. Common names are foxtail fescue, rat-tail fescue, rat-tailed fescue, and rattail fescue. The common name is correct and current. The scientific name needs to be updated.

Synonyms are Festuca megalura, F. megalura var. hirsute, F. myuros, Vulpia megalura, and Vulpia myuros var. hirsuta. The Vulpia genus is found in the Poaceae family.

Parent Product

634 - Pollens - Grasses, Fescue, Rattail Festuca myuros

Published Data

PMID 15283881 supports cross-reactivity between species within the Pooideae subfamily and Poaeae tribe. This grass is closely related to Kentucky Bluegrass, Orchard, Meadow Fescue and Perennial Rye, all standardized extracts.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
594_CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004

Panels:

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

**Product: 635 - Pollens - Grasses, Fescue, Red Festuca rubra**

**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: grass pollen allergy; Festuca rubra pollen allergy

Google: Festuca rubra pollen allergy; Festuca rubra pollen allergy adverse; Festuca rubra pollen allergen; Festuca rubra pollen allergen adverse

**Nomenclature**

According to ITIS, the scientific name, Festuca rubra, is correct and current. Common names are ravine fescue and red fescue. There are six subspecies listed. The Festuca genus is found in the Poaceae family.

**Parent Product**

635 - Pollens - Grasses, Fescue, Red Festuca rubra

**Published Data**

This product is in the same genus, species tribe and family as a standardized extract (meadow fescue). PMID 15283881 supports cross-reactivity between species within the Pooideae subfamily and Poaceae tribe.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
594_CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	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: 636 - Pollens - Grasses, Fescue, Sheep Festuca ovina**

**Manufacturers of this Product**

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

**Search Strategy**

PubMed: grass pollen allergy; sheep fescue pollen allergy; festuca ovina pollen allergy

Google: Festuca ovina pollen allergy; Festuca ovina pollen allergy adverse; Festuca ovina pollen allergen; Festuca ovina pollen allergen adverse

**Nomenclature**

According to ITIS, the scientific name is Festuca ovina. The common name is sheep fescue. The scientific and common names are correct and current. The Festuca genus is found in the Poaceae family.

**Parent Product**

636 - Pollens - Grasses, Fescue, Sheep Festuca ovina

**Published Data**

This product is in the same genus, species tribe and family as a standardized extract (meadow fescue). PMID 15283881 supports cross-reactivity between species within the Pooideae subfamily and Poaeae tribe.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
594_CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	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: 637 - Pollens - Grasses, Fescue, Tall Festuca arundinaceae**

**Recommended Scientific Name** Schedonorus arundinaceus

**Manufacturers of this Product**

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

**Search Strategy**

PubMed: grass pollen allergy.;tall fescue grass pollen allergy; Lolium arundinaceum pollen allergy

Google: Festuca arundinaceum pollen allergy; Festuca arundinaceum pollen allergy adverse; Festuca arundinaceum pollen allergen; Festuca arundinaceum pollen allergen adverse

**Nomenclature**

According to ITIS, the accepted name of Festuca arundinacea is Schedonorus arundinaceus. No common name is listed. The scientific and common names need to be updated. Synonyms are Festuca arundinacea, F. elatior ssp. arundinacea, and F. elatior var. arundinacea. The Lolium genus is found in the Poaceae family.

**Parent Product**

637 - Pollens - Grasses, Fescue, Tall Festuca arundinaceae

**Published Data**

This product is in the same genus, species tribe and family as a standardized extract (meadow fescue). PMID 15283881 supports cross-reactivity between species within the Pooideae subfamily and Poaeae tribe

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
594_CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004

**Panels:**

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

**Product: 638 - Pollens - Grasses, Finger Grass Chloris inflata**

**Recommended Common Name** Fingergrass, Swollen

**Recommended Scientific Name** Chloris barbata

**Manufacturers of this Product**

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

**Search Strategy**

PubMed: grass pollen allergy; Chloris inflata, barbata or elata

Google: Chloris inflata pollen allergy; Chloris inflata pollen allergy adverse; Chloris inflata pollen allergen; Chloris inflata pollen allergen adverse

**Nomenclature**

According to ITIS, the current name of Chloris inflata is Chloris barbata. Common name of C. barbata is swollen fingergrass. The scientific and common names need to be updated. The Chloris genus is found in the Poaceae family.

**Parent Product**

638 - Pollens - Grasses, Finger Grass Chloris inflata

**Published Data**

PMID 15283881 supports cross-reactivity between species within the Chloridoideae subfamily and Cynodonteae tribe. Based on the evidence supporting cross-reactivity within tribes and subfamilies and evidence of the effectiveness of those extracts (eg., Bermuda, a standardized extract as well as Grama grass, a non-standardized extract), this product is considered effective.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
594_CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004

**Panels:**

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

**Product: 639 - Pollens - Grasses, Finger Grass, Featherfinger Chloris virgata**

Recommended Scientific Name Chloris virgata

Manufacturers of this Product

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

Search Strategy

PubMed: grass pollen allergy; featherfinger grass or Chloris virgata

Google: Chloris virgata pollen allergy; Chloris virgata pollen allergy adverse; Chloris virgata pollen allergen; Chloris virgata pollen allergen adverse

Nomenclature

According to ITIS, the correct spelling of Chloris virgata is Chloris virgata. Common names are feather fingergrass, feather windmill grass, and showy chloris. The common name is correct and current. The scientific name needs to be updated. The Chloris genus is found in the Poaceae family.

Parent Product

639 - Pollens - Grasses, Finger Grass, Featherfinger Chloris virgata

Published Data

PMID 15283881 supports cross-reactivity between species within the Chloridoideae subfamily and Cynodonteae tribe. Based on the evidence supporting cross-reactivity within tribes and subfamilies and evidence of the effectiveness of those extracts (eg., Bermuda, a standardized extract as well as Grama grass, a non-standardized extract), this product is considered effective.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
594_CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004

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

**Product: 640 - Pollens - Grasses, Flattergrass Miliun ellusum**

**Recommended Common Name** American milletgrass

**Recommended Scientific Name** Miliun effusum

**Manufacturers of this Product**

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

**Search Strategy**

PubMed: grass pollen allergy, Miliun effusum pollen allergy, Miliun vernale pollen allergy, American millet grass pollen allergy, spring millet grass pollen allergy

Google: Miliun effusum pollen allergy; Miliun effusum pollen allergy adverse; Miliun effusum pollen allergen; Miliun effusum pollen allergen adverse

**Nomenclature**

According to ITIS, the correct spelling of Miliun ellusum is Miliun effusum. The common name is American milletgrass. The Miliun genus is found in the Poaceae family.

**Parent Product**

640 - Pollens - Grasses, Flattergrass Miliun ellusum

**Published Data**

PMID 15283881 supports cross-reactivity between species within the Pooideae subfamily. Given evidence of cross-reactivity within subfamilies and that this grass is in the same subfamily as seven out of eight of the standardized grasses, this product is considered effective. If the species is defined,

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
594_CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004

**Panels:**

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

**Product: 641 - Pollens - Grasses, Foxtail, Creeping Meadow Alopecurus arundinaceus**

**Manufacturers of this Product**

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

**Search Strategy**

PubMed: grass pollen allergy, Creeping Meadow foxtail grass pollen allergy or Alopecurus arundinaceus pollen allergy

Google: Alopecurus arundinaceus pollen allergy; Alopecurus arundinaceus pollen allergy adverse; Alopecurus arundinaceus pollen allergen; Alopecurus arundinaceus pollen allergen adverse

**Nomenclature**

According to ITIS, the scientific name is Alopecurus arundinaceus. The common names are creeping foxtail, creeping meadow foxtail, creeping meadow-foxtail. The scientific and common names are correct and current. The Alopecurus genus is found in the Poaceae family.

**Parent Product**

641 - Pollens - Grasses, Foxtail, Creeping Meadow Alopecurus arundinaceus

**Published Data**

PMID 15283881 supports cross-reactivity between species within the Pooideae subfamily and Aveneae tribe. There is evidence of the allergenicity, and effectiveness of diagnosis and treatment for Meadow foxtail (Alopecurus pratensis)

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
594_CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004

**Panels:**

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

**Product: 642 - Pollens - Grasses, Foxtail, Meadow Alopecurus pratensis**

**Manufacturers of this Product**

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

**Search Strategy**

PubMed: grass pollen allergy, Meadow foxtail grass pollen allergy

Google: Alopecurus pratensis pollen allergy; Alopecurus pratensis pollen allergy adverse; Alopecurus pratensis pollen allergen; Alopecurus pratensis pollen allergen adverse

**Nomenclature**

According to ITIS, the scientific name is Alopecurus pratensis. Common names are field meadow-foxtail and meadow foxtail. The scientific and common names are correct and current. The Alopecurus genus is found in the Poaceae family.

**Parent Product**

642 - Pollens - Grasses, Foxtail, Meadow Alopecurus pratensis

**Published Data**

PMID 15283881 supports cross-reactivity between species within the Pooideae subfamily and Aveneae tribe.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
642_ Cut Rx to pollen exc in pts with hay fever.pdf	1173992	Löfkvist, T.	1975
635_ How far can we simplify in vitro diagnostic for grass poll	9723659	van Ree, R.	1998
594_ Frequency of sensitization to different pollen groups an	735982	Martín-Gil, D.	1978
594_ Grass Pollen IT induces highly cross reactive IgG Abs to	7677246	van Ree, R.	1995
594_ CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004

**Panels:**

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

**Product: 643 - Pollens - Grasses, Foxtail, Yellow Setaria sp.**

Recommended Scientific Name Setaria, (species to be specified)

Manufacturers of this Product

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

Search Strategy

PubMed: setaria, foxtail;

Google: Setaria pollen allergy; Setaria pollen allergy adverse; Setaria pollen allergen; Setaria pollen allergen adverse

Nomenclature

According to ITIS, the Setaria genus includes two varieties and approximately 40 species. The common name is Bristlegrass. ITIS lists 'Yellow foxtail' as Setaria leucopila, Additional common names are bristle grass, Plains bristlegrass, streambead bristle grass, yellow bristlegrass, and yellow foxtail. Synonym is Chaetochloa leucopila. The Setaria genus is found in the Poaceae family.

Parent Product

643 - Pollens - Grasses, Foxtail, Yellow Setaria sp.

Published Data

No supportive data were identified.

**Panels:**

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

**Product: 644 - Pollens - Grasses, Gama Grass, Blue Bouteloua gracilis**

**Recommended Common Name** Grama Grass, Blue

**Manufacturers of this Product**

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

**Search Strategy**

PubMed: grass pollen allergy, Bouteloua gracilis, Grama grass

Google: Bouteloua gracilis pollen allergy; Bouteloua gracilis pollen allergy adverse; Bouteloua gracilis pollen allergen; Bouteloua gracilis pollen allergen adverse

**Nomenclature**

According to ITIS, the scientific name is Bouteloua gracilis. Common name is blue grama. The scientific name is correct and current. The common name must be updated. Synonyms are Bouteloua gracilis var. stricta, Bouteloua oligostachya, Chondrosum gracile, and Chondrosum oligostachyum. The Bouteloua genus is found in the Poaceae family.

**Parent Product**

646 - Pollens - Grasses, Grama Grass, Blue Bouteloua gracilis

**Related Products**

644 - Pollens - Grasses, Gama Grass, Blue Bouteloua gracilis

**Published Data**

PMID 4067128: Twenty-seven patients with grass-pollen allergy who tested positive to June, timothy, Bermuda, brome, grama, and western wheat by skin prick tests were given immunotherapy to timothy and Bermuda grass pollen extracts. For grama treated subjects, the mean skin test areas before (74.9 mm<sup>2</sup>) and after (14.8 mm<sup>2</sup>) the study showed significant changes. Whereas, the control subjects did not show significant changes (123.7 mm<sup>2</sup> – before verses 151.4 mm<sup>2</sup> – after).

PMID 7950406 Used B. gracilis pollen extracts to determine cross-reactivity between different grass pollens in-vitro. Cross-reactivity between subfamilies Poideae, Chloridoideae, and Panicoideae were found.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
594_ Cx reactivity among grasses determined by tissue thres	4067128	Leavengood, D.C.	1985
648_ Isolation and Characterization of group-I isoallergens fr	7950406	Smith, P.M.	1994

**Panels:**

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

**Product: 645 - Pollens - Grasses, Grama Grass Bouteloua spp.**

Recommended Scientific Name Bouteloua, (species to be specified)

Manufacturers of this Product

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

Search Strategy

PubMed: grass pollen allergy, Bouteloua and Grama grass

Google: Bouteloua pollen allergy; Bouteloua pollen allergy adverse; Bouteloua pollen allergen; Bouteloua pollen allergen adverse

Nomenclature

According to ITIS, there are 22 species within the Bouteloua genus. The Bouteloua genus is found in the Poaceae family.

Parent Product

645 - Pollens - Grasses, Grama Grass Bouteloua spp.

Published Data

No supportive data were identified.

Panels:

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

**Product: 646 - Pollens - Grasses, Grama Grass, Blue Bouteloua gracilis**

**Manufacturers of this Product**

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

**Search Strategy**

PubMed: grass pollen allergy, Bouteloua gracilis, Grama grass

Google: Bouteloua gracilis pollen allergy; Bouteloua gracilis pollen allergy adverse; Bouteloua gracilis pollen allergen;

Bouteloua gracilis pollen allergen adverse

**Nomenclature**

According to ITIS, the scientific name is Bouteloua gracilis. The common name is blue grama. The scientific and common names are correct and current. Synonyms are Bouteloua gracilis var. stricta, Bouteloua oligostachya, Chondrosum gracile, and Chondrosum oligostachyum. The Bouteloua genus is found in the Poaceae family.

**Parent Product**

646 - Pollens - Grasses, Grama Grass, Blue Bouteloua gracilis

**Related Products**

644 - Pollens - Grasses, Grama Grass, Blue Bouteloua gracilis

**Published Data**

PMID 4067128: Twenty-seven patients with grass-pollen allergy who tested positive to June, timothy, Bermuda, brome, grama, and western wheat by skin prick tests were given immunotherapy to timothy and Bermuda grass pollen extracts. For grama treated subjects, the mean skin test areas before (74.9 mm<sup>2</sup>) and after (14.8 mm<sup>2</sup>) the study showed significant changes. Whereas, the control subjects did not show significant changes (123.7 mm<sup>2</sup> – before versus 151.4 mm<sup>2</sup> – after).

PMID 7950406 Used B. gracilis pollen extracts to determine cross-reactivity between different grass pollens in-vitro. Cross-reactivity between subfamilies Pooideae, Chloridoideae, and Panicoideae were found.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
594_ Cx reactivity among grasses determined by tissue thres	4067128	Leavengood, D.C.	1985
648_ Isolation and Characterization of group-I isoallergens fr	7950406	Smith, P.M.	1994

**Panels:**

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

**Product: 647 - Pollens - Grasses, Grama Grass, Tripsicum dactyloides**

**Recommended Common Name** Gamagrass, Eastern

**Recommended Scientific Name** Tripsicum dactyloides

**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: grass pollen allergy, tripsicum dactyloides, Eastern gamagrass

Google: Tripsicum dactyloides pollen allergy; Tripsicum dactyloides pollen allergy adverse; Tripsicum dactyloides pollen allergen; Tripsicum dactyloides pollen allergen adverse

**Nomenclature**

According to ITIS, the correct spelling of Tripsicum dactyloides is Tripsacum dactyloides. Common name is eastern gamagrass. The scientific and common names need to be updated. The synonyms are Coix dactyloides and Tripsacum dactyloides var. occidentale. The Tripsacum genus is found in the Poaceae family.

**Parent Product**

647 - Pollens - Grasses, Grama Grass, Tripsicum dactyloides

**Published Data**

PMID 15283881 supports cross-reactivity between species within the Panicoideae subfamily and Andropogoneae tribe. This pollen is in the same tribe and subfamily as Johnson grass which has supporting evidence for the effectiveness of diagnosis

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
595_ grass pollen allergens.pdf	15042916	Esch, R.E.	2004
595_ immunobiology of grass pollen allergens.pdf	16091211	Mohapatra, S.S.	2005
595_ characteristics and immunobio of grass pollen allergens.	12673063	Andersson, K.	2003
594_ CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004

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

**Product: 648 - Pollens - Grasses, Johnson Grass Sorghum halepense**

**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: grass pollen allergy, Johnson grass allergy, Sorghum halepense  
Google: Sorghum halepense pollen allergy; Sorghum halepense pollen allergy adverse; Sorghum halepense pollen allergen;  
Sorghum halepense pollen allergen adverse

**Nomenclature**

According to ITIS, the scientific name is Sorghum halepense. Common names are Aleppo milletgrass, herbe de Cuba, Johnson grass, Johnsongrass, sorgho d'Alep, sorgo de alepo, and zacate Johnson. The scientific and common names are correct and current. Synonyms are Hocus halepensis and Sorghum miliaceum. The Sorghum genus is Found in the Poaceae family.

**Parent Product**

648 - Pollens - Grasses, Johnson Grass Sorghum halepense

**Published Data**

PMID 4067128, Twenty-seven patients with grass-pollen allergy who tested positive to June, timothy, Bermuda, brome, grama, and western wheat by skin prick tests were given immunotherapy to timothy and Bermuda grass pollen extracts. For Johnson grass treated subjects, the mean skin test areas before (435 mm<sup>2</sup>) and after (84.0 mm<sup>2</sup>) the study showed significant changes. Whereas, the control subjects did not show significant changes (266.0 mm<sup>2</sup> – before versus 262.4 mm<sup>2</sup> – after).  
PMID 8224835 Johnson grass extract was one of the positive extracts used to practice skin testing.  
PMID 14692424, Johnson grass appeared to share allergenicity with the northern grasses and Bermuda grass.  
PMID 7950406, S. halepense pollen extract was used to determine cross-reactivity between different grass pollens in-vitro. Cross-reactivity between subfamilies Pooideae, Chloridoideae, and Panicoideae were found.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
608_ extended eval of skin testing.pdf	8224835	Chiu, J.T.	1993
594_ Cx reactivity among grasses determined by tissue thres	4067128	Leavengood, D.C.	1985
594_ Key pollen allergens in North America.pdf	14692424	White, J.F.	2003
648_ Isolation and Characterization of group-I isoallergens fr	7950406	Smith, P.M.	1994

<b>Panels:</b>	<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: 649 - Pollens - Grasses, Joint Grass (Know Grass) Paspalum distichum**

**Recommended Common Name** Knotgrass

**Manufacturers of this Product**

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

**Search Strategy**

PubMed: Paspalum distichum

Google: Paspalum distichum pollen allergy; Paspalum distichum pollen allergy adverse; Paspalum distichum pollen allergen; Paspalum distichum pollen allergen adverse

**Nomenclature**

According to ITIS, the scientific name is Paspalum distichum. Common names are knotgrass or knotroot paspalum. The scientific name is correct and current. The common name needs to be updated. ITIS finds no records for know or joint grass. Synonyms are Digitara paspaloides, Paspalum distichum var. indutaum, and P. paspaloides. The Paspalum genus is found in the Poaceae family.

**Parent Product**

649 - Pollens - Grasses, Joint Grass (Know Grass) Paspalum distichum

**Published Data**

PMID 15283881 supports cross-reactivity between species within the Panicoideae subfamily and Paniceae tribe.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
594_CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004

**Panels:**

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

**Product: 650 - Pollens - Grasses, June Grass, Western, Koeleria cristata**

Recommended Scientific Name Koeleria pyramidata

Manufacturers of this Product

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

Search Strategy

PubMed: grass pollen allergy; Koeleria cristata pollen allergy

Google: Koeleria cristata pollen allergy; Koeleria cristata pollen allergy adverse; Koeleria cristata pollen allergen; Koeleria cristata pollen allergen adverse

Nomenclature

According to ITIS, the current name of Koeleria cristata is Koeleria pyramidata. No common name is listed. The scientific and common names need to be updated. The Koeleria genus is found in the Poaceae family.

Parent Product

650 - Pollens - Grasses, June Grass, Western, Koeleria cristata

Related Products

651 - Pollens - Grasses, Koeler's Grass (Western Junegrass) Koeleria cristata

Published Data

PMID 15283881 supports cross-reactivity between species within the Pooideae subfamily and Aveneae tribe. There is supporting evidence of effectiveness for diagnosis and therapy of other grasses in the same tribe and subfamily (e.g., Meadow foxtail, velvet grass, bent grass and others)

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
594_CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	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: 651 - Pollens - Grasses, Koeler's Grass (Western Junegrass) Koeleria cristata**

**Recommended Scientific Name** Koeleria pyramidata

**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: grass pollen allergy, Koeleria cristata pollen allergy

Google: Koeleria cristata pollen allergy; Koeleria cristata pollen allergy adverse; Koeleria cristata pollen allergen; Koeleria cristata pollen allergen adverse

**Nomenclature**

According to ITIS, the current name of Koeleria cristata is Koeleria pyramidata. No common names are listed. The scientific and common names need to be updated. The Koeleria genus is found in the Poaceae family.

**Parent Product**

650 - Pollens - Grasses, June Grass, Western, Koeleria cristata

**Related Products**

651 - Pollens - Grasses, Koeler's Grass (Western Junegrass) Koeleria cristata

**Published Data**

PMID 15283881 supports cross-reactivity between species within the Pooideae subfamily and Aveneae tribe. There is supporting evidence of effectiveness for diagnosis and therapy of other grasses in the same tribe and subfamily (e.g., Meadow foxtail, velvet grass, bent grass and others)

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
594_CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004

<b>Panels:</b>	<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: 652 - Pollens - Grasses, Love Grass, Hawaiian Eragrostis variabilis**

**Recommended Common Name** Kawelu

**Manufacturers of this Product**

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

**Search Strategy**

PubMed: grass pollen allergy, Eragrostis variabilis allergy, Eragrostis

Google: Eragrostis variabilis pollen allergy; Eragrostis variabilis pollen allergy adverse; Eragrostis variabilis pollen allergen; Eragrostis variabilis pollen allergen adverse

**Nomenclature**

According to ITIS, the scientific name is Eragrostis variabilis. The common name is kawelu. The scientific name is correct and current. The common name needs to be updated. The synonym is Eragrostis niuhauensis. Of the many species of Eragrostis, none have a common name of Hawaiian Lovegrass. The Eragrostis genus is found in the Poaceae family.

**Parent Product**

652 - Pollens - Grasses, Love Grass, Hawaiian Eragrostis variabilis

**Published Data**

PMID 15283881 supports cross-reactivity between species within the Chloridoidea subfamily. This grass pollen is in the same subfamily as saltgrass

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
594_CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004

**Panels:**

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

**Product: 653 - Pollens - Grasses, Love Grass, Red (Stinkgrass) Eragrostis cilianensis**

**Manufacturers of this Product**

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

**Search Strategy**

PubMed: grass pollen allergy, Eragrostis cilianensis allergy, Eragrostis

Google: Eragrostis cilianensis allergy; Eragrostis cilianensis allergy adverse; Eragrostis cilianensis allergen; Eragrostis cilianensis allergen adverse

**Nomenclature**

According to ITIS, the scientific name, Eragrostis cilianensis, is correct and current. Common names are listed as candy grass, lovegrass, stink grass, stinkgrass, and strongscented lovegrass. Synonyms are: Eragrostis major, E. megastachya, and Poa cilianensis. The Eragrostis genus is found in the Poaceae family. According to the PLANTs database, this is an introduced species found in all states and Hawaii. GRIN database classifies this grass into the tribe Eragrostideae and subfamily Chloridoidea (same subfamily as Saltgrass).

**Parent Product**

653 - Pollens - Grasses, Love Grass, Red (Stinkgrass) Eragrostis cilianensis

**Published Data**

PMID 15283881 supports cross-reactivity between species within the Chloridoidea subfamily. This grass pollen is in the same subfamily as saltgrass

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
594_CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004

**Panels:**

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

**Product: 654 - Pollens - Grasses, Melic Melica uniflora**

**Manufacturers of this Product**

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

**Search Strategy**

PubMed: Melica uniflora

Google: Melica uniflora pollen allergy; Melica uniflora pollen allergy adverse; Melica uniflora pollen allergen; Melica uniflora pollen allergen adverse

**Nomenclature**

ITIS does not list the scientific name of Melica uniflora. Within the Melica genus there is one variety and nineteen species. The common name of the genus Melica is melic or oniongrass. The genus melic is not recognized in GRIN database.

**Parent Product**

654 - Pollens - Grasses, Melic Melica uniflora

**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: 655 - Pollens - Grasses, Melic, California Melica imperfecta**

**Recommended Common Name** Melicgrass, Smallflower

**Manufacturers of this Product**

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

**Search Strategy**

PubMed: Melica imperfecta

Google: Melica imperfecta pollen allergy; Melica imperfecta pollen allergy adverse; Melica imperfecta pollen allergen; Melica imperfecta pollen allergen adverse

**Nomenclature**

According to ITIS, the scientific name, Melica imperfecta, is correct and current. The common name is listed as smallflower melicgrass, not California melic. Synonyms of M. imperfecta are M. imperfecta var. flexuosa, M. imperfecta var. minor, and M. imperfecta var. refracta. ITIS also lists Melica californica with a common name of California melicgrass. The Melica genus is found in the Poaceae family.

**Parent Product**

655 - Pollens - Grasses, Melic, California Melica imperfecta

**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: 656 - Pollens - Grasses, Millet, Common Setaria italica**

**Recommended Common Name** Millet, Foxtail

**Manufacturers of this Product**

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

**Search Strategy**

PubMed: setaria italica, foxtail millet; millet allergy

Google: Setaria italica pollen allergy; Setaria italica pollen allergy adverse; Setaria italica pollen allergen; Setaria italica pollen allergen adverse

**Nomenclature**

According to ITIS, the scientific name, Setaria italica, is correct and current. Common names for this grass are foxtail bristleglass, foxtail millet, Italian bristle grass, and Italian foxtail. Synonyms are Chaetochloa italica, Panicum italicum, Setaria italica var. metzgeri, and Setaria italica var. stramineofructa. The Setaria genus is found in the Poaceae family. Manufacturer should update common name. According to the PLANTs database, this is an introduced species found in all states except Idaho, Nebraska, and Utah. According to GRIN database, this pollen is in the tribe Paniceae and subfamily Panicoideae.

**Parent Product**

656 - Pollens - Grasses, Millet, Common Setaria italica

**Published Data**

PMID 15283881 supports cross-reactivity between species within the Panicoideae subfamily and Paniceae tribe. Bahia grass is found in the tribe Paniceae and subfamily Panicoideae.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
594_CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004

**Panels:**

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

**Product: 657 - Pollens - Grasses, Mutton Grass Poa fendleriana**

**Manufacturers of this Product**

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

**Search Strategy**

PubMed: mutton grass pollen allergy; Poa fendleriana pollen allergy

Google: Poa fendleriana pollen allergy; Poa fendleriana pollen allergy adverse; Poa fendleriana pollen allergen; Poa fendleriana pollen allergen adverse

**Nomenclature**

According to ITIS, the scientific name, Poa fendleriana, is correct and current. Common names are mutton grass and muttongrass. There are three subspecies listed: albescens, fendleriana, and longiligula. The Poa genus is found in the Poaceae family. According to PLANTS database, this is a native plant found in the Western half of the US. According to GRIN database, Tribe: Festuceae (Poeae); subfamily: festucoideae (pooideae). This grass is in the same genus, tribe and subfamily as Poa pratensis (Kentucky Bluegrass, a standardized extract).

**Parent Product**

657 - Pollens - Grasses, Mutton Grass Poa fendleriana

**Published Data**

This grass is closely related to Poa pratensis (Kentucky Blue grass), a standardized extract, as evidenced by it being in the same genus, tribe and subfamily and since PMID 15283881 supports cross-reactivity between species within the Pooideae subfamily and Poeae tribe.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
594_CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004

**Panels:**

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

**Product: 658 - Pollens - Grasses, Needle Grass Stipa lepida**

**Recommended Common Name** Tussockgrass, Smallflower

**Recommended Scientific Name** Nassella lepida

**Manufacturers of this Product**

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

**Search Strategy**

PubMed: Stipa lepida, Stipa lepida pollen allergy, Needle grass pollen allergy

Google: Stipa lepida pollen allergy; Stipa lepida pollen allergy adverse; Stipa lepida pollen allergen; Stipa lepida pollen allergen adverse

**Nomenclature**

According to ITIS, the current name of Stipa lepida is Nassella lepida. The common name is smallflower tussockgrass. An additional synonym is Stipa lepida var. andersonii. GRIN database does not include this grass, but other Nassella species are found and the genus "nassella" is in the tribe "stipae" and subfamily Pooidea.

**Parent Product**

658 - Pollens - Grasses, Needle Grass Stipa lepida

**Published Data**

This grass is in the same subfamily as seven out of eight standardized grasses and PMID 15283881 supports cross-reactivity between species within the Pooidea subfamily.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
594_CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004

**Panels:**

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

**Product: 659 - Pollens - Grasses, Needle Grass, Giant Stipa coronata**

**Recommended Common Name** Ricegrass, Giant

**Recommended Scientific Name** Achnatherum coronatum

**Manufacturers of this Product**

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

**Search Strategy**

PubMed: Stipa coronata

Google: Stipa coronata pollen allergy; Stipa coronata pollen allergy adverse; Stipa coronata pollen allergen; Stipa coronata pollen allergen adverse

**Nomenclature**

According to ITIS, the current name of Stipa coronata is Achnatherum coronatum. The common name for Achnatherum coronatum is "giant ricegrass". Several other species of stipa also bear a common name of needlegrass, but none have common name of giant needle grass. GRIN does not recognize Achnatherum coronatum, but Achnatherum genus is in the tribe Stipea and subfamily Pooideae.

**Parent Product**

659 - Pollens - Grasses, Needle Grass, Giant Stipa coronata

**Published Data**

This grass is in the same subfamily as seven out of eight standardized grasses and PMID 15283881 supports cross-reactivity between species within the Pooideae subfamily.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
594_CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004

**Panels:**

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

**Product: 660 - Pollens - Grasses, Needle Grass, Lemmon Stipa lemmoni**

**Recommended Common Name** Needlegrass, Lemmon's

**Recommended Scientific Name** Achnatherum lemmonii

**Manufacturers of this Product**

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

**Search Strategy**

PubMed: Achnatherum lemmonii, Lemmon's Needle grass allergy

Google: Achnatherum lemmonii pollen allergy; Achnatherum lemmonii pollen allergy adverse; Achnatherum lemmonii pollen allergen; Achnatherum lemmonii pollen allergen adverse

**Nomenclature**

According to ITIS, the current name of Stipa lemmonii is Achnatherum lemmonii. Common name is Lemmon's needlegrass. Synonyms are Stipa lemmonii and Stipa lemmonii var. jonesii. The Achnatherum genus is found in the Poaceae family. According to PLANTS database, this plant (Achnatherum lemmonii) is found in the Western third of the US (Montana down to Arizona). Achnatherum lemmonii var pubescens has a more limited distribution in that it is only found in California. According to GRIN, it is in the tribe Stipeae and subfamily Pooideae.

**Parent Product**

660 - Pollens - Grasses, Needle Grass, Lemmon Stipa lemmoni

**Published Data**

This grass is in the same subfamily as seven out of eight standardized grasses and PMID 15283881 supports cross-reactivity between species within the Pooidea subfamily.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
594_CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004

**Panels:**

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

**Product: 661 - Pollens - Grasses, Oat, cultivated, Avena sativa**

**Recommended Common Name** Oat, Common

**Manufacturers of this Product**

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

**Search Strategy**

PubMed: grass pollen, oat pollen allergy, Avena sativa pollen

Google: oat pollen allergy; oat pollen allergy adverse; oat pollen allergen; oat pollen allergen adverse; same search results performed for Avena sativa pollen

**Nomenclature**

According to ITIS, the scientific name, Avena sativa, is correct and current. Common names are: Common oats, oatgrass (common), oats, wild oats, but not cultivated oats. The Avena genus is found in the Poaceae family.

**Parent Product**

667 - Pollens - Grasses, Oats, Common, Cultivated Avena sativa

**Related Products**

661 - Pollens - Grasses, Oat, cultivated, Avena sativa

**Published Data**

The Panel I stated (pg 3147) that cultivated oat (A. sativa) is cultivated in most temperate regions, but is not a factor in hay fever because it is usually self-pollinating.

PMID 9723659: In this study, subject's sera who reported they had grass pollen or suffered from hay fever symptoms in spring and summer was obtained and tested in a RAST for IgE reactivity with pollen from 17 different grass species.

PMID 15283881: supports cross-reactivity between species within the Pooidea subfamily.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
635_ How far can we simplify in vitro diagnostic for grass poll	9723659	van Ree, R.	1998
594_ CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004

<b>Panels:</b>	<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: 662 - Pollens - Grasses, Oat, Wild, Avena fatua**

**Manufacturers of this Product**

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

**Search Strategy**

PubMed: grass pollen, oat pollen, Avena fatua pollen

Google: oat pollen allergy; oat pollen allergy adverse; oat pollen allergen; oat pollen allergen adverse; same search results performed for Avena fatua pollen

**Nomenclature**

According to ITIS, the scientific name, Avena fatua, is correct and current. Common names are flaxgrass, oatgrass, wheat grass, and wild oats. This confirms the acceptability of genus, species and common name. Synonyms are: Avena fatua var. glabrata, A. fatua var. vilis, and A. hybrida. The Avena genus is found in the Poaceae family. PLANTS database indicates this plant is an annual introduced species found in all states except Virginia, North Carolina, South Carolina, and Arkansas. GRIN database places this pollen into the tribe Aveneae and subfamily Pooideae; the same tribe and subfamily as redtop, timothy and sweet vernal.

**Parent Product**

662 - Pollens - Grasses, Oat, Wild, Avena fatua

**Related Products**

665 - Pollens - Grasses, Oatgrass, Wild Avena fatua

666 - Pollens - Grasses, Oats, Common Wild Avena fatua

**Published Data**

This product is in the same tribe and subfamily as three of CBER's standardized extracts.

PMID 15283881 supports cross-reactivity between species within the Pooideae subfamily.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
594_CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	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: 663 - Pollens - Grasses, Oatgrass, Tall Arrhenatherum elatius**

Recommended Scientific Name Arrhenatherum elatius

Manufacturers of this Product

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

Search Strategy

PubMed: oatgrass; Arrhenatherum

Google: oatgrass pollen allergy; oatgrass pollen allergy adverse; oatgrass pollen allergen; oatgrass pollen allergen adverse; same search results performed for Arrhenatherum pollen

Nomenclature

According to ITIS, the correct spelling of Arrhenatherum elatius is Arrhenatherum elatius (TS: 41443). Common name is tall oatgrass. Synonyms are: Arrhenatherum americanum, Arrhenatherum avenaceum, Arrhenatherum bulbosum, Arrhenatherum elatius var. biaristatum, Arrhenatherum tuberosum, Avena avenaceum, Avena bulbosa, Avena elata, Avena elatior, Avena tuberosa, Avenastrum elatius, Holcus avenaceus, Holcus bulbosus, and Hordeum avenaceum. Arrhenatherum is in the Poaceae family.

Parent Product

663 - Pollens - Grasses, Oatgrass, Tall Arrhenatherum elatius

Related Products

664 - Pollens - Grasses, Oatgrass, Tall Arrhenatherum elatius or Avena elatior

Published Data

PMID 9723659: In this study, subject's sera who reported they had grass pollen or suffered from hay fever symptoms in spring and summer was obtained and tested in a RAST for IgE reactivity with pollen from 17 different grass species.

PMID 15283881 supports cross-reactivity between species within the Pooidea subfamily.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
635_ How far can we simplify in vitro diagnostic for grass poll	9723659	van Ree, R.	1998
594_ CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004

**Panels:**

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

**Product: 664 - Pollens - Grasses, Oatgrass, Tall Arrhenatherum elatius or Avena elatior**

**Recommended Scientific Name** Arrhenatherum elatius

**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: oatgrass; Arrhenatherum

Google: oatgrass pollen allergy; oatgrass pollen allergy adverse; oatgrass pollen allergen; oatgrass pollen allergen adverse; same search results performed for Arrhenatherum pollen

**Nomenclature**

According to ITIS, the correct spelling of Arrhenatherum elatius is Arrhenatherum elatius (TS: 41443). Common name is tall oatgrass. Synonyms are: Arrhenatherum americanum, Arrhenatherum avenaceum, Arrhenatherum bulbosum, Arrhenatherum elatius var. biaristatum, Arrhenatherum tuberosum, Avena avenaceum, Avena bulbosa, Avena elata, Avena elatior, Avena tuberosa, Avenastrum elatius, Holcus avenaceus, Holcus bulbosus, and Hordeum avenaceum. Arrhenatherum is in the Poaceae family.

**Parent Product**

663 - Pollens - Grasses, Oatgrass, Tall Arrhenatherum elatius

**Related Products**

664 - Pollens - Grasses, Oatgrass, Tall Arrhenatherum elatius or Avena elatior

**Published Data**

PMID 9723659: In this study, subject's sera who reported they had grass pollen or suffered from hay fever symptoms in spring and summer was obtained and tested in a RAST for IgE reactivity with pollen from 17 different grass species.

PMID 15283881 supports cross-reactivity between species within the Pooidea subfamily.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
594_CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004
642_How far can we simplify in vitro diagnostic for grass poll	9723659	van Ree, R.	1998

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

**Product: 665 - Pollens - Grasses, Oatgrass, Wild Avena fatua**

**Manufacturers of this Product**

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

**Search Strategy**

PubMed: grass pollen, oat pollen, Avena fatua pollen

Google: oat pollen allergy; oat pollen allergy adverse; oat pollen allergen; oat pollen allergen adverse; same search results performed for Avena fatua pollen

**Nomenclature**

ITIS confirms acceptability of genus, species and common name. PLANTS database indicates this plant is an annual introduced species found in all states except Virginia, North Carolina, South Carolina, and Arkansas. GRIN database places this pollen into the tribe Aveneae and subfamily Pooidea; the same tribe and subfamily as redtop, timothy and sweet vernal.

**Parent Product**

662 - Pollens - Grasses, Oat, Wild, Avena fatua

**Related Products**

665 - Pollens - Grasses, Oatgrass, Wild Avena fatua

666 - Pollens - Grasses, Oats, Common Wild Avena fatua

**Published Data**

This product is in the same tribe and subfamily as three of CBER's standardized extracts. PMID 15283881 supports cross-reactivity between species within the Pooidea subfamily.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
594_CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	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: 666 - Pollens - Grasses, Oats, Common Wild Avena fatua**

**Manufacturers of this Product**

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

**Search Strategy**

PubMed: grass pollen, oat pollen, Avena fatua pollen

Google: oat pollen allergy; oat pollen allergy adverse; oat pollen allergen; oat pollen allergen adverse; same search results performed for Avena fatua pollen

**Nomenclature**

According to ITIS, the scientific name, Avena fatua, is correct and current. Common names are flaxgrass, oatgrass, wheat grass, and wild oats. This confirms the acceptability of genus, species and common name. Synonyms are: Avena fatua var. glabrata, A. fatua var. vilis, and A. hybrida. The Avena genus is found in the Poaceae family. PLANTS database indicates this plant is an annual introduced species found in all states except Virginia, North Carolina, South Carolina, and Arkansas. GRIN database places this pollen into the tribe Aveneae and subfamily Pooideae; the same tribe and subfamily as redtop, timothy and sweet vernal.

**Parent Product**

662 - Pollens - Grasses, Oat, Wild, Avena fatua

**Related Products**

665 - Pollens - Grasses, Oatgrass, Wild Avena fatua

666 - Pollens - Grasses, Oats, Common Wild Avena fatua

**Published Data**

This product is in the same tribe and subfamily as three of CBER's standardized extracts. PMID 15283881 supports cross-reactivity between species within the Pooideae subfamily.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
594_CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	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: 667 - Pollens - Grasses, Oats, Common, Cultivated Avena sativa**

**Recommended Common Name** Oats, 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)
- Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)

**Search Strategy**

PubMed: grass pollen, oat pollen, Avena sativa pollen  
Google: oat pollen allergy; oat pollen allergy adverse; oat pollen allergen; oat pollen allergen adverse; same search results performed for Avena sativa pollen

**Nomenclature**

According to ITIS, the scientific name, Avena sativa, is correct and current. Common namea are: Common oats, oatgrass (common), oats, wild nots, but not culitvated common oats. The Avena genus is found in the Poaceae family.

**Parent Product**

667 - Pollens - Grasses, Oats, Common, Cultivated Avena sativa

**Related Products**

661 - Pollens - Grasses, Oat, cultivated, Avena sativa

**Published Data**

Panel I stated (pg 3147) that cultivated oat (A. sativa) is cultivated in most temperate regions, but is not a factor in hay fever because it is usually self-pollinating.  
PMID 9723659: In this study, subject's sera who reported they had grass pollen or suffered from hay fever symptoms in spring and summer was obtained and tested in a RAST for IgE reactivity with pollen from 17 different grass species.  
PMID 15283881: supports cross-reactivity between species within the Pooidea subfamily.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
635_ How far can we simplify in vitro diagnostic for grass poll	9723659	van Ree, R.	1998
594_ CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004

<b>Panels:</b>	<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: 668 - Pollens - Grasses, Oats, Slender Wild Avena barbata**

**Manufacturers of this Product**

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

**Search Strategy**

PubMed: Avena barbata

Google: oat pollen allergy; oat pollen allergy adverse; oat pollen allergen; oat pollen allergen adverse; same search results performed for Avena barbata pollen

**Nomenclature**

According to ITIS, the scientific name, Avena barbata, is correct and current. Common names are slender oat and slender wildoat. The Avena genus is found in the Poaceae family.

**Parent Product**

668 - Pollens - Grasses, Oats, Slender Wild Avena barbata

**Published Data**

Panel I stated (pg 3147) that A. barbata is common in the Pacific coast states and Arizona where it is regarded as a contributory cause of hay fever.

PMID 15283881 supports cross-reactivity between species within the Pooidea subfamily.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
594_CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	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: 669 - Pollens - Grasses, Pampas Grass Cortaderia selloana**

**Manufacturers of this Product**

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

**Search Strategy**

PubMed: no relevant articles found

Google: pampas pollen allergy; pampas pollen allergy adverse; pampas pollen allergen; pampas pollen allergen adverse; same search results performed for Cortaderia selloana pollen

**Nomenclature**

According to ITIS, the scientific name, Cortaderia selloana, is correct and current. Common names are pampas grass, silver pampas grass, and Uruguayan pampas grass. The scientific and common names are correct and current. The Cortaderia genus is found in the Poaceae family.

**Parent Product**

669 - Pollens - Grasses, Pampas Grass Cortaderia selloana

**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: 670 - Pollens - Grasses, Paragrass Panicum purpurescens**

Recommended Scientific Name Urochloa mutica

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: paragrass, Panicum purpurescens  
Google: paragrass, Panicum purpurescens, allergy

Nomenclature

According to ITIS, the current name of Panicum purpurescens is Urochloa mutica. Common names are para grass, buffalo grass, California grass, Mauritius grass and puakatau. The common name is correct and current. The scientific name needs to be updated. Synonyms are Brachiaria mutica, B. purpurascens, Panicum barbinode, P. muticum, and P. purpurascens. The Urochloa genus is found in the Poaceae family.

Parent Product

670 - Pollens - Grasses, Paragrass Panicum purpurescens

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: 671 - Pollens - Grasses, Quack (Couch) Grass Agropyron repens**

**Recommended Common Name** Quackgrass

**Recommended Scientific Name** Elymus repens

**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: quack grass; Agropyron repens

Google: quack grass pollen allergy; quack grass pollen allergy adverse; quack grass pollen allergen; quack grass pollen allergen adverse; same search results performed for Agropyron repens pollen

**Nomenclature**

According to ITIS database, the correct name of Agropyron repens is Elymus repens. Common name is quackgrass. Synonyms are Agropyron repens, A. repens var. subulatum, Elytrigia repens, E. repens var. vaillantiana, E. vaillantiana, Triticum repens, and T. vaillantianum.

**Parent Product**

671 - Pollens - Grasses, Quack (Couch) Grass Agropyron repens

**Published Data**

Comments included in the Panel I report (pg 3147): "The wheat grasses are perennials which are found in all temperate regions. Quackgrass or couchgrass (A. repens) is naturalized from Europe and is found in fields and waste places throughout North America. It flowers from July to September and is a contributing factor to hay fever." the Panel I comments support that this pollen is allergenic (i.e, causes hayfever).

PMID 4067128: Twenty-seven patients were evaluated before and after immunotherapy with timothy and Bermuda grass extracts. In the group treated with Quack grass extract, a significant change was noted (before: 301.8 mm2, after: 92.8 mm2) in the treated group verses the control group (before: 289.4 mm2, after: 347.6 mm2).

PMID 15283881 also supports cross-reactivity between species within the Pooideae subfamily and Poeae tribe.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
594_ Cx reactivity among grasses determined by tissue thres	4067128	Leavengood, D.C.	1985
594_ CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004

<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: 672 - Pollens - Grasses, Quacking Grass Brizia media**

**Recommended Common Name** Quackinggrass, Perennial

**Manufacturers of this Product**

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

**Search Strategy**

PubMed: grass pollen allergy, Quacking grass pollen, Brizia media pollen

Google: Quacking grass pollen allergy; Quacking grass pollen allergy adverse; Quacking grass pollen allergen; Quacking grass pollen allergen adverse; same search results performed for Brizia media pollen, Brizia media pollen

**Nomenclature**

The PLANTS database lists Brizia media L. – perennial quackinggrass

**Parent Product**

672 - Pollens - Grasses, Quacking Grass Brizia media

**Published Data**

There are no known published data.

**Panels:**

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

**Product: 674 - Pollens - Grasses, Reed Phragmites communis**

**Recommended Common Name** Reed, Common

**Recommended Scientific Name** Phragmites australis

**Manufacturers of this Product**

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

**Search Strategy**

PubMed: grass pollen, common reed allergy, phragmites australis allergy

Google: reed grass pollen allergy; reed grass pollen allergy adverse; reed grass pollen allergen; reed grass pollen allergen adverse; same search results performed for Phragmites communis pollen

**Nomenclature**

According to ITIS, the current name of Phragmites communis is Phragmites australis. Common name is common reed. Synonyms are Phragmites australis var. berlandieri, P. communis, P. communis var. berlandieri, P. communis ssp berlandieri, and P. phragmites. The Phragmites genus is found in the Poaceae family.

**Parent Product**

674 - Pollens - Grasses, Reed Phragmites communis

**Published Data**

PMID 9723659: In this study, subjects' sera who reported they had grass pollen or suffered from hay fever symptoms in spring and summer were obtained and tested in a RAST for IgE reactivity with pollen from 17 different grass species.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
635_ How far can we simplify in vitro diagnostic for grass poll	9723659	van Ree, R.	1998

**Panels:**

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

**Product: 675 - Pollens - Grasses, Rhodes Grass Chloris gayana (neglecta)**

Recommended Scientific Name Chloris gayana

Manufacturers of this Product

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

Search Strategy

PubMed: grass pollen allergy, Rhodes grass

Google: Rhodes grass pollen allergy; Rhodes grass pollen allergy adverse; Rhodes grass pollen allergen; Rhodes grass pollen allergen adverse; same search results performed for Chloris gayana pollen

Nomenclature

According to ITIS, the scientific name, Chloris gayana, is correct and current. Common name is also accurate per ITIS. GRIN places this grass into the tribe Cynodonteae and subfamily Chloridoideae. The family name is Poaceae.

Parent Product

675 - Pollens - Grasses, Rhodes Grass Chloris gayana (neglecta)

Published Data

PMID 15283881 also supports cross-reactivity between species within the Chloridoideae subfamily and Cynodonteae tribe.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
594_CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004

**Panels:**

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

**Product: 676 - Pollens - Grasses, Rice, Wild (Indian) Zizania palustris**

**Recommended Common Name** Wildrice, Northern

**Manufacturers of this Product**

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

**Search Strategy**

PubMed: Zizania palustris pollen allergy, wild rice pollen allergy, Indian Rice pollen allergy

Google: wild rice pollen allergy; wild rice pollen allergy adverse; wild rice pollen allergen; wild rice pollen allergen adverse; same search results performed for Zizania palustris pollen

**Nomenclature**

According to ITIS, the scientific name, Zizania palustris, is correct and current. The common name is northern wildrice. There are two varieties of Z. palustris listed: interior and palustris. The Zizania genus is found in the Poaceae family.

**Parent Product**

676 - Pollens - Grasses, Rice, Wild (Indian) Zizania palustris

**Published Data**

PMID 15283881 also supports cross-reactivity between species within the Poaceae family.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
594_CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004

**Panels:**

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

**Product: 677 - Pollens - Grasses, Rye, Cultivated Secale cereale**

**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: grass pollen allergy, S. cereale allergy

Google: rye pollen allergy; rye pollen allergy adverse; rye pollen allergen; rye pollen allergen adverse; same search results performed for Secale cereale pollen

**Nomenclature**

According to ITIS, the scientific name, Secale cereale, is correct and current. Common names are cereal rye, common rye, cultivated annual rye, cultivated rye, and rye. The scientific and common names are correct and current. Synonyms are Secale montanum and Triticum cereale. The Secale genus is found in the Poaceae family.

**Parent Product**

580 - Pollens - Cultivated Farm Plants, Rye Secale cereale

**Related Products**

677 - Pollens - Grasses, Rye, Cultivated Secale cereale

**Published Data**

PMID 9723659 – RAST mean ratio for S. cereale is 1.71 (1.61-1.81 95% CI). RAST inhibition study showed cross-reactivity between S. cereale with Po. pratensis and D. glomerata.

PMID 3228051 – Nine out of 15 bakers were skin test positive to rye pollen extract.

PMID 3478214 - Farmers and teachers were tested using different allergenic extracts. Fewer farmers (average of 0.1 mm) were skin test positive to rye pollen extract than teachers (average of 0.5 mm). There was no statistical difference between the two groups.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
635_ How far can we simplify in vitro diagnostic for grass poll	9723659	van Ree, R.	1998
564_ Allergol et immunopathol-16-309.pdf	3228051	Valero Santiago, A.	1988
564_ Eur J Resp Dis-152-155.pdf	3478214	Rautalahti, M.	1987

**Panels:**

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

**Product: 678 - Pollens - Grasses, Ryegrass, Alkali Elymus triticoides**

**Recommended Common Name** Wildrye, Beardless

**Recommended Scientific Name** Leymus triticoides

**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: rye grass pollen, Elymus triticoides

Google: ryegrass pollen allergy; ryegrass pollen allergy adverse; ryegrass pollen allergen; ryegrass pollen allergen adverse; same search results performed for Elymus triticoides pollen, Leymus triticoides pollen

**Nomenclature**

According to ITIS, the current name of Elymus triticoides is Leymus triticoides. Common names are beardless wildrye, beardless lyme grass, and creeping wildrye. Synonyms are Elymus condensatus var. triticoides, E. orcuttianus, E. triticoides, and E. triticoides var. pubescens. The Leymus genus is found in the Poaceae family. PLANTs database lists this as native perennial found in many Western states. GRIN lists the tribe as Triticeae and subfamily as Pooideae.

**Parent Product**

678 - Pollens - Grasses, Ryegrass, Alkali Elymus triticoides

**Published Data**

PMID 15283881 and 16091211 support cross-reactivity between species within the Pooideae subfamily and Triticeae tribe.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
595_ immunobiology of grass pollen allergens.pdf	16091211	Mohapatra, S.S.	2005
594_ CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004

**Panels:**

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

**Product: 679 - Pollens - Grasses, Ryegrass, Darnel Lolium tenulentum**

Recommended Scientific Name Lolium temulentum

Manufacturers of this Product

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

Search Strategy

PubMed: ryegrass pollen allergy, Lolium temulentum

Google: ryegrass pollen allergy; ryegrass pollen allergy adverse; ryegrass pollen allergen; ryegrass pollen allergen adverse; same search results performed for Lolium temulentum pollen

Nomenclature

According to ITIS, the correct spelling of Lolium tenulentum is Lolium temulentum. Common names are darnel, Darnel ryegrass, and poison darnel. Synonyms are Lolium arvense, L. temulentum var. arvense, L. temulentum var. leptochaeton, and L. temulentum var. macrochaeton. The Lolium genus is found in the Poacea family. According to PLANTs, this plant is an introduced annual is found in all states except, Nevada, Utah, Wyoming, Nebraska, Wisconsin, Indiana, and New Hampshire. According to GRIN, the tribe is Poeae and subfamily is Pooideae.

Parent Product

679 - Pollens - Grasses, Ryegrass, Darnel Lolium tenulentum

Published Data

Panel I commented (pg 3147) that this pollen is an important cause of hayfever in some regions. Fescue, Bluegrass, Orchard, Redtop, Ryegrass, Sweet Vernal, and Timothy, standardized grass pollen extracts, are in the Pooideae subfamily and Poeae tribe. PMID 15283881 and 16091211 support cross-reactivity between species within the Pooideae subfamily and Triticeae tribe.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
595_ immunobiology of grass pollen allergens.pdf	16091211	Mohapatra, S.S.	2005
594_ CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	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: 680 - Pollens - Grasses, Ryegrass, Giant Wild Elymus condensatus (cinereus)**

**Recommended Common Name** Wildrye, Giant

**Recommended Scientific Name** Leymus condensatus

**Manufacturers of this Product**

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

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

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

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

**Search Strategy**

PubMed: ryegrass pollen, Leymus condensatus

Google: ryegrass pollen allergy; ryegrass pollen allergy adverse; ryegrass pollen allergen; ryegrass pollen allergen adverse; same search results performed for Leymus condensatus pollen, Leymus cinereus pollen

**Nomenclature**

According to ITIS, the currently name of Elymus condensatus is Leymus condensatus. The common name is giant wildrye. Synonyms are Aneurolepidium condensatum and Elymus condensatus. The Leymus genus is found in the Poaceae. According to PLANTS database, this pollen is only found in California. GRIN lists the tribe as Triticeae and subfamily as Pooideae.

**Parent Product**

680 - Pollens - Grasses, Ryegrass, Giant Wild Elymus condensatus (cinereus)

**Related Products**

682 - Pollens - Grasses, Ryegrass, Pacific Giant Wild Elymus condensatus

**Published Data**

PMID 15283881 and 16091211 support cross-reactivity between species within the Pooideae subfamily and Triticeae tribe.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
595_ immunobiology of grass pollen allergens.pdf	16091211	Mohapatra, S.S.	2005
594_ CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004

**Panels:**

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

**Product: 682 - Pollens - Grasses, Ryegrass, Pacific Giant Wild Elymus condensatus**

**Recommended Common Name** Wildrye, Giant

**Recommended Scientific Name** Leymus condensatus

**Manufacturers of this Product**

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

**Search Strategy**

PubMed: grass pollen, Leymus condensatus

Google: ryegrass pollen allergy; ryegrass pollen allergy adverse; ryegrass pollen allergen; ryegrass pollen allergen adverse; same search results performed for Leymus condensatus pollen

**Nomenclature**

According to ITIS, the currently name of Elymus condensatus is Leymus condensatus. The common name is giant wildrye. Synonyms are Aneurolepidium condensatum and Elymus condensatus. The Leymus genus is found in the Poaceae. According to PLANTs database, this pollen is only found in California. GRIN lists the tribe as Triticeae and subfamily as Pooideae.

**Parent Product**

680 - Pollens - Grasses, Ryegrass, Giant Wild Elymus condensatus (cinereus)

**Related Products**

682 - Pollens - Grasses, Ryegrass, Pacific Giant Wild Elymus condensatus

**Published Data**

PMID 15283881 and 16091211 support cross-reactivity between species within the Pooideae subfamily and Triticeae tribe.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
595_ immunobiology of grass pollen allergens.pdf	16091211	Mohapatra, S.S.	2005
594_ CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004

**Panels:**

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

**Product: 683 - Pollens - Grasses, Ryegrass, Western Elymus glaucus**

**Recommended Common Name** Wildrye, Blue

**Manufacturers of this Product**

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

**Search Strategy**

PubMed: ryegrass pollen, western Elymus glaucus

Google: ryegrass pollen allergy; ryegrass pollen allergy adverse; ryegrass pollen allergen; ryegrass pollen allergen adverse; same search results performed for Leymus glaucus pollen

**Nomenclature**

According to ITIS, the scientific name, Elymus glaucus, is correct and current. Common name is blue wild rye. Three subspecies of E. glaucus are listed: glaucus, jepsonii, and virescens. The Elymus genus is found in the Poaceae family. PLANTS database indicates that this plant is a native, perennial found in many states (mostly Western states, plus New York, Mississippi, Missouri, Arkansas and Iowa). GRIN places this pollen in the tribe Triticeae and subfamily Pooideae.

**Parent Product**

683 - Pollens - Grasses, Ryegrass, Western Elymus glaucus

**Published Data**

PMID 15283881 and 16091211 support cross-reactivity between species within the Pooideae subfamily and Triticeae tribe.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
595_ immunobiology of grass pollen allergens.pdf	16091211	Mohapatra, S.S.	2005
594_ CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004

**Panels:**

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

**Product: 684 - Pollens - Grasses, Saltgrass Distichlis sp.**

**Recommended Common Name** Saltgrass, Inland

**Recommended Scientific Name** Distichlis spicata

**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: saltgrass; Distichlis

Google: saltgrass pollen allergy; saltgrass pollen allergy adverse; saltgrass pollen allergen; saltgrass pollen allergen adverse; same search results performed for Distichlis pollen

**Nomenclature**

According to ITIS, the correct scientific name is Distichlis spicata. Common names are desert saltgrass, inland saltgrass, marsh spikegrass, saltgrass, and seashore saltgrass. The scientific and common names need to be updated. Synonyms are Distichlis spicata var. borealis, D. spicata var. divaricata, D. spicata var. nana, D. spicata var. stolonifera, D. spicata var. stricta, D. spicata ssp. stricta, D. stricta, D. stricta var. dentate, and Uniola spicata. The Distichlis genus is found in the Poaceae family. According to PLANTS, this plant is native perennial pollen and is found throughout the US except, Vermont, West Virginia, Kentucky, Tennessee, Illinois, Michigan, and Arkansas. GRIN places this pollen into the tribe Eragrostideae and subfamily Chloridontea.

**Parent Product**

685 - Pollens - Grasses, Saltgrass Distichlis spicata

**Related Products**

684 - Pollens - Grasses, Saltgrass Distichlis sp.

686 - Pollens - Grasses, Saltgrass, Inland Distichlis stricta

**Published Data**

In PMID 4067128, twenty-seven patients with grass-pollen allergy who tested positive to June, timothy, Bermuda, brome, grama, and western wheat by skin prick tests were given immunotherapy to timothy and Brermuda grass pollen extracts. For salt grass, treated subjects the mean skin test areas before (87.7 mm<sup>2</sup>) and after (24.1 mm<sup>2</sup>) the study showed significant changes. Whereas, the control subjects did not show significant changes (146.0 mm<sup>2</sup> – before verses 146.4 mm<sup>2</sup> – after). In PMID: 8224835 salt grass extract was one of the extracts used to practice diagnostic skin testing.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
608_extended eval of skin testing.pdf	8224835	Chiu, J.T.	1993
594_Cx reactivity among grasses determined by tissue thres	4067128	Leavengood, D.C.	1985

**Panels:**

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

**Product: 685 - Pollens - Grasses, Saltgrass Distichlis spicata**

**Recommended Common Name** Saltgrass, Inland

**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: saltgrass; Distichlis  
 Google: saltgrass pollen allergy; saltgrass pollen allergy adverse; saltgrass pollen allergen; saltgrass pollen allergen adverse;  
 same search results performed for Distichlis spicata pollen

**Nomenclature**

According to ITIS, the scientific name, Distichlis spicata, is correct and current. Common names are desert saltgrass, inland saltgrass, marsh spikegrass, saltgrass, and seashore saltgrass. Synonyms are Distichlis spicata var. borealis, D. spicata var. divaricata, D. spicata var. nana, D. spicata var. stolonifera, D. spicata var. stricta, D. spicata ssp. stricta, D. stricta, D. stricta var. dentate, and Uniola spicata. The Distichlis genus is found in the Poaceae family. According to PLANTS, this plant is native perennial pollen and is found throughout the US except, Vermont, West Virginia, Kentucky, Tennessee, Illinois, Michigan, and Arkansas. GRIN places this pollen into the tribe Eragrostideae and subfamily Chloridontea.

**Parent Product**

685 - Pollens - Grasses, Saltgrass Distichlis spicata

**Related Products**

- 684 - Pollens - Grasses, Saltgrass Distichlis sp.
- 686 - Pollens - Grasses, Saltgrass, Inland Distichlis stricta

**Published Data**

In PMID: 4067128 twenty-seven patients with grass-pollen allergy who tested positive to June, timothy, Bermuda, brome, grama, and western wheat by skin prick tests were given immunotherapy to timothy and Bermuda grass pollen extracts. For salt grass, treated subjects the mean skin test areas before (87.7 mm<sup>2</sup>) and after (24.1 mm<sup>2</sup>) the study showed significant changes. Whereas, the control subjects did not show significant changes (146.0 mm<sup>2</sup> – before verses 146.4 mm<sup>2</sup> – after). In PMID: 8224835 salt grass extract was one of the extracts used to practice diagnostic skin testing.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
594_ Cx reactivity among grasses determined by tissue thres	4067128	Leavengood, D.C.	1985
608_ extended eval of skin testing.pdf	8224835	Chiu, J.T.	1993

**Panels:**

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

**Product: 686 - Pollens - Grasses, Saltgrass, Inland Distichlis stricta**

**Manufacturers of this Product**

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

**Search Strategy**

PubMed: saltgrass; Distichlis

Google: saltgrass pollen allergy; saltgrass pollen allergy adverse; saltgrass pollen allergen; saltgrass pollen allergen adverse; same search results performed for Distichlis stricta pollen

**Nomenclature**

According to ITIS, the scientific name, Distichlis spicata, is correct and current. Common names are desert saltgrass, inland saltgrass, marsh spikegrass, saltgrass, and seashore saltgrass. Synonyms are Distichlis spicata var. borealis, D. spicata var. divaricata, D. spicata var nana, D. spicata var. stolonifera, D. spicata var. stricta, D. spicata ssp. stricta, D. stricta, D. stricta var. dentate, and Uniola spicata. The Distichlis genus is found in the Poaceae family. According to PLANTS, this plant is native perennial pollen and is found throughout the US except, Vermont, West Virginia, Kentucky, Tennessee, Illinois, Michigan, and Arkansas. GRIN places this pollen into the tribe Eragrostideae and subfamily Chloridontea.

**Parent Product**

685 - Pollens - Grasses, Saltgrass Distichlis spicata

**Related Products**

684 - Pollens - Grasses, Saltgrass Distichlis sp.

686 - Pollens - Grasses, Saltgrass, Inland Distichlis stricta

**Published Data**

In PMID 4067128, twenty-seven patients with grass-pollen allergy who tested positive to June, timothy, Bermuda, brome, grama, and western wheat by skin prick tests were given immunotherapy to timothy and Brermuda grass pollen extracts. For salt grass, treated subjects the mean skin test areas before (87.7 mm<sup>2</sup>) and after (24.1 mm<sup>2</sup>) the study showed significant changes. Whereas, the control subjects did not show significant changes (146.0 mm<sup>2</sup> – before verses 146.4 mm<sup>2</sup> – after). In PMID: 8224835 salt grass extract was one of the extracts used to practice diagnostic skin testing.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
608_ extended eval of skin testing.pdf	8224835	Chiu, J.T.	1993
594_ Cx reactivity among grasses determined by tissue thres	4067128	Leavengood, D.C.	1985

**Panels:**

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

**Product: 687 - Pollens - Grasses, Sedge Grass Carex sp.**

Recommended Scientific Name Carex, (species to be specified)

Manufacturers of this Product

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

Search Strategy

PubMed: sedge grass; Carex

Google: sedge grass pollen allergy; sedge grass pollen allergy adverse; sedge grass pollen allergen; sedge grass pollen allergen adverse; same search results performed for Carex pollen

Nomenclature

According to ITIS, there are several varieties, subspecies, and species listed. The Carex genus is found in the Cyperaceae family.

Parent Product

687 - Pollens - Grasses, Sedge Grass Carex sp.

Published Data

No supportive data were identified.

**Panels:**

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

**Product: 688 - Pollens - Grasses, Slough Grass Beckmannia erucaeformis**

**Recommended Scientific Name** Beckmannia syzigachne

**Manufacturers of this Product**

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

**Search Strategy**

PubMed: slough grass pollen, Beckmannia erucaeformis

Google: slough grass pollen allergy; slough grass pollen allergy adverse; slough grass pollen allergen; slough grass pollen allergen adverse; same search results performed for Beckmannia erucaeformis pollen, Beckmannia eruciformis pollen

**Nomenclature**

According to ITIS, the correct spelling of Beckmannia erucaeformis is Beckmannia eruciformis and the current name is Beckmannia syzigachne. Common names are American sloughgrass and slough grass. Synonyms are Beckmannia eruciformis, B. eruciformis ssp. baicalensis, B. eruciformis eruciformis, B. eruciformis var. uniflora, B. syzigachne ssp. baicalensis, and B. syzigachne var. uniflora. The Beckmannia genus is found in the Poaceae family. PLANTS database indicates that this product is an annual, native plant found mostly in Western and Northern US states. GRIN places this pollen into the tribe Poeae and subfamily Pooideae.

**Parent Product**

688 - Pollens - Grasses, Slough Grass Beckmannia erucaeformis

**Published Data**

PMID 15283881 and 16091211 support cross-reactivity between species within the Pooideae subfamily and Triticeae tribe.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
595_ immunobiology of grass pollen allergens.pdf	16091211	Mohapatra, S.S.	2005
594_ CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004

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

**Product: 689 - Pollens - Grasses, Sorghum, Grain**

**Recommended Common Name** Broomcorn

**Recommended Scientific Name** Sorghum bicolor

**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: sorghum and allergy

Google: sorghum pollen allergy; sorghum pollen allergy adverse; sorghum pollen allergen; sorghum pollen allergen adverse

**Nomenclature**

ITIS lists the genus and species name as Sorghum bicolor ssp bicolor. Common names are broom-corn, broomcorn, grain sorghum, shatter cane, and wild cane. Synonyms are: Holcus bicolor, H. sorghum, Sorghum bicolor var. caffrorum, S. caffrorum, S. cernuum, S. dochna, S. dochna var. technicum, S. drummondii, S. durra, S. saccharatum, S. vulgare, S. vulgare var. caffrorum, S. vulgare var. durra, S. vulgare var. roxburghii, S. vulgare var. saccharatum, and S. vulgare var. technicum. The Sorghum genus is found in the Poaceae family. According to PLANTS, the pollen is found throughout the US except, West Virginia and Minnesota. GRIN places this pollen into the tribe Andropogoneae and subfamily Panicoideae (same family as Johnson and corn).

**Parent Product**

693 - Pollens - Grasses, Sudan Grass Sorghum vulgare sudanensis

**Related Products**

689 - Pollens - Grasses, Sorghum, Grain

692 - Pollens - Grasses, Sudan Grass Sorghum vulgare sudanense

**Published Data**

Panel I stated (pg 3149) "Sorghum is an annual which has been cultivated since prehistoric times for forage and for its juice which is made into syrup. A variety known as Sudan grass (var. sudanensis) is extensively grown for hay and pasture. Sorghums are widely cultivated in America. The panel found no evidence from controlled studies which indicates that sorghum pollen extracts are effective for diagnosis of sorghum grass pollinosis. One publication indicates or implies that sorghum pollen extracts are ineffective for skin test diagnosis of sorghum pollinosis (Ref. 43). The Panel found no report of immunotherapy with sorghum."

PMID: 15283881 supports cross-reactivity between species within the Panicoideae subfamily and Andropogoneae tribe.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
594_CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004

<b>Panels:</b>	<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: 690 - Pollens - Grasses, Sudan Grass Andropogon sudanense**

**Recommended Scientific Name** Sorghum X drummondii

**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: sudan grass and allergy, and allergen; Andropogon sudanense  
Google: sudan pollen allergy; sudan pollen allergy adverse; sudan pollen allergen; sudan pollen allergen adverse; same search results performed for Andropogon sudanense pollen

**Nomenclature**

ITIS does not recognize Andropogon sudanense. However, there are two listings for the common name sudangrass: Sorghum bicolor ssp. drummondii and Sorghum X drummondii. Also, Sorghum sudanense is listed as a synonym for Sorghum bicolor ssp. drummondii. Common names for S. bicolor ssp. drummondii are broom-corn, Drummond broomcorn, Drummond's broomcorn, shattercane, and Sudangrass. Synonyms are Andropogon drummondii, Sorghum bicolor var. drummondii, S. bicolor var. sudanense, S. drummondii, S. sudanense, and S. vulgare var. drummondii. The Sorghum genus is found in the Poaceae family. PLANTS database indicates it is an introduced annual found in Oregon, California, Arkansas, New Mexico and many central-East US states. GRIN places this pollen in the tribe Andropogonea and subfamily Panicoidea (same family as Johnson and corn).

**Parent Product**

691 - Pollens - Grasses, Sudan Grass Sorghum sudanense

**Related Products**

690 - Pollens - Grasses, Sudan Grass Andropogon sudanense

**Published Data**

Although not listed in the table on pg 3124, Panel I did comment on this pollen in their remarks on pg 3149 "Sorghum is an annual which has been cultivated since prehistoric times for forage and for its juice which is made into syrup. A variety known as Sudan grass (var. sudanensis) is extensively grown for hay and pasture. Sorghums are widely cultivated in America. Panel I found no evidence from controlled studies which indicates that sorghum pollen extracts are effective for diagnosis of sorghum grass pollinosis. One publication indicates or implies that sorghum pollen extracts are ineffective for skin test diagnosis of sorghum pollinosis (Ref. 43). Panel I did not find any reports of immunotherapy with sorghum." PMID 15283881 and 16091211 support cross-reactivity between species within the Pooideae subfamily and Triticeae tribe.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
595_ immunobiology of grass pollen allergens.pdf	16091211	Mohapatra, S.S.	2005
594_ CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004

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

**Product: 691 - Pollens - Grasses, Sudan Grass Sorghum sudanense**

Recommended Scientific Name Sorghum X drummondii

Manufacturers of this Product

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

Search Strategy

PubMed: sudan grass; and allergy, and allergen; Sorghum sudanense

Google: sudan pollen allergy; sudan pollen allergy adverse; sudan pollen allergen; sudan pollen allergen adverse; same search results performed for Sorghum sudanense pollen

Nomenclature

According to ITIS, the current name of Sorghum sudanense is Sorghum bicolor ssp. drummondii. Common names are broom-corn, Drummond broomcorn, Drummond's broomcorn, shattercane, and Sudangrass. Synonyms are Andropogon drummondii, Sorghum bicolor var. drummondii, S. bicolor var. sudanense, S. drummondii, S. sudanense, and S. vulgare var. drummondii. The Sorghum genus is found in the Poaceae family. PLANTS database indicates it is an introduced annual found in Oregon, California, Arkansas, New Mexico and many central-East US states. GRIN places this pollen in the tribe Andropogonea and subfamily Panicoidea (same family as Johnson and corn).

Parent Product

691 - Pollens - Grasses, Sudan Grass Sorghum sudanense

Related Products

690 - Pollens - Grasses, Sudan Grass Andropogon sudanense

Published Data

Although not listed in the table on pg 3124, Panel I did comment on this pollen in their remarks on pg 3149 "Sorghum is an annual which has been cultivated since prehistoric times for forage and for its juice which is made into syrup. A variety known as Sudan grass (var. sudanensis) is extensively grown for hay and pasture. Sorghums are widely cultivated in America. Panel I found no evidence from controlled studies which indicates that sorghum pollen extracts are effective for diagnosis of sorghum grass pollinosis. One publication indicates or implies that sorghum pollen extracts are ineffective for skin test diagnosis of sorghum pollinosis (Ref. 43). Panel I did not find any reports of immunotherapy with sorghum."

PMID 15283881 and 16091211 support cross-reactivity between species within the Pooideae subfamily and Triticeae tribe.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
595_ immunobiology of grass pollen allergens.pdf	16091211	Mohapatra, S.S.	2005
594_ CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004

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

**Product: 692 - Pollens - Grasses, Sudan Grass Sorghum vulgare sudanense**

**Recommended Common Name** Broomcorn

**Recommended Scientific Name** Sorghum bicolor

**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: sudan grass; and allergy, and allergen; Sorghum vulgare, and allergy, and allergen; Sorghum sudanense

Google: sudan pollen allergy; sudan pollen allergy adverse; sudan pollen allergen; sudan pollen allergen adverse; same search results performed for Sorghum vulgare pollen, Sorghum sudanense pollen

**Nomenclature**

According to ITIS, the current name of Sorghum vulgare is Sorghum bicolor ssp bicolor. Common names are broom-corn, broomcorn, grain sorghum, shatter cane, and wild cane. Synonyms are: Holcus bicolor, H. sorghum, Sorghum bicolor var. caffrorum, S. caffrorum, S. cernuum, S. dochna, S. dochna var. technicum, S. drummondii, S. durra, S. saccharatum, S. vulgare, S. vulgare var. caffrorum, S. vulgare var. durra, S. vulgare var. roxburghii, S. vulgare var. saccharatum, and S. vulgare var. technicum. The Sorghum genus is found in the Poaceae family. According to PLANTS, the pollen is found throughout the US except, West Virginia and Minnesota. GRIN places this pollen into the tribe Andropogoneae and subfamily Panicoideae (same family as Johnson and corn).

**Parent Product**

693 - Pollens - Grasses, Sudan Grass Sorghum vulgare sudanensis

**Related Products**

689 - Pollens - Grasses, Sorghum, Grain

692 - Pollens - Grasses, Sudan Grass Sorghum vulgare sudanense

**Published Data**

Panel I stated (pg 3149) "Sorghum is an annual which has been cultivated since prehistoric times for forage and for its juice which is made into syrup. A variety known as Sudan grass (var. sudanensis) is extensively grown for hay and pasture. Sorghums are widely cultivated in America. The panel found no evidence from controlled studies which indicates that sorghum pollen extracts are effective for diagnosis of sorghum grass pollinosis. One publication indicates or implies that sorghum pollen extracts are ineffective for skin test diagnosis of sorghum pollinosis (Ref. 43). The Panel found no report of immunotherapy with sorghum."

PMID: 15283881 supports cross-reactivity between species within the Panicoideae subfamily and Andropogoneae tribe.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
594_CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004

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

**Product: 693 - Pollens - Grasses, Sudan Grass Sorghum vulgare sudanensis**

**Recommended Common Name** Broomcorn

**Recommended Scientific Name** Sorghum bicolor

**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: sudan grass; and allergy, and allergen; Sorghum vulgare, and allergy, and allergen; Sorghum sudanensis

Google: sudan pollen allergy; sudan pollen allergy adverse; sudan pollen allergen; sudan pollen allergen adverse; same search results performed for Sorghum vulgare pollen, Sorghum sudanensis pollen

**Nomenclature**

According to ITIS, the current name of Sorghum vulgare is Sorghum bicolor ssp bicolor. Common names are broom-corn, broomcorn, grain sorghum, shatter cane, and wild cane. Synonyms are: Holcus bicolor, H. sorghum, Sorghum bicolor var. caffrorum, S. caffrorum, S. cernuum, S. dochna, S. dochna var. technicum, S. drummondii, S. durra, S. saccharatum, S. vulgare, S. vulgare var. caffrorum, S. vulgare var. durra, S. vulgare var. roxburghii, S. vulgare var. saccharatum, and S. vulgare var. technicum. The Sorghum genus is found in the Poaceae family. According to PLANTS, the pollen is found throughout the US except, West Virginia and Minnesota. GRIN places this pollen into the tribe Andropogoneae and subfamily Panicoideae (same family as Johnson and corn).

Sorghum vulgare sudanensis not recognized in ITIS. Sorghum vulgare is an unaccepted synonym for Sorghum bicolor ssp bicolor, i.e. Grain Sorghum. Hollister Steir is listed as a manufacturer for Grain Sorghum. Extracts should be consolidated into using the currently accepted lating taxonomy of Sorghum bicolor ssp bicolor and use one common name. ALK is listed as a manufacturer of Sorghum vulgare sudanense, which is also another derivative for Sorghum bicolor ssp bicolor. Extracts should be consolidated into using the currently accepted latin taxonomy of Sorghum bicolor ssp bicolor and use one common name.

**Parent Product**

693 - Pollens - Grasses, Sudan Grass Sorghum vulgare sudanensis

**Related Products**

689 - Pollens - Grasses, Sorghum, Grain

692 - Pollens - Grasses, Sudan Grass Sorghum vulgare sudanense

**Published Data**

Panel I stated (pg 3149) "Sorghum is an annual which has been cultivated since prehistoric times for forage and for its juice which is made into syrup. A variety known as Sudan grass (var. sudanensis) is extensively grown for hay and pasture. Sorghums are widely cultivated in America. The panel found no evidence from controlled studies which indicates that sorghum pollen extracts are effective for diagnosis of sorghum grass pollinosis. One publication indicates or implies that sorghum pollen extracts are ineffective for skin test diagnosis of sorghum pollinosis (Ref. 43). The Panel found no report of immunotherapy with sorghum."

PMID: 15283881 supports cross-reactivity between species within the Panicoideae subfamily and Andropogoneae tribe.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
594_CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004

<b>Panels:</b>	<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: 694 - Pollens - Grasses, Sugar beet, Beta vulgaris**

**Recommended Common Name** Beet, Common

**Recommended Scientific Name** Beta vulgaris

**Manufacturers of this Product**

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

**Search Strategy**

PubMed: same as Pollens, Cultivated Farm Plants, Garden and Sugar, Beta Vulgaris (and weeds and garden plants)

Google: sugar beet pollen allergy; sugar beet pollen allergy adverse; sugar beet pollen allergen; sugar beet pollen allergen adverse; same search results performed for Beta vulgaris pollen

**Nomenclature**

According to ITIS, the scientific name, Beta vulgaris, is complete and accurate. The common name is common beet. Synonyms are Beta maritime and B. vulgaris ssp. maritima. Two subspecies of B. vulgaris are listed: cicia (chard) and macrocarpa (beet). 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

**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: 695 - Pollens - Grasses, Velvetgrass Holcus lanatus**

**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: velvet grass pollen, Holcus lanatus

Google: velvetgrass pollen allergy; velvetgrass pollen allergy adverse; velvetgrass pollen allergen; velvetgrass pollen allergen adverse; same search results performed for Holcus lanatus pollen

**Nomenclature**

According to ITIS, the scientific name, Holcus lanatus, is correct and current. Common names are common velvet grass, velvet grass, and Yorkshire fog. Synonym is Nothoholcus lanatus. The Holcus genus is found in the Poaceae family. According to PLANTS, this perennial is an introduced grass and found throughout the US except, Minnesota, South Dakota, Wyoming, Nebraska and Florida. GRIN places this pollen in the tribe Aveneae and subfamily Pooideae.

**Parent Product**

695 - Pollens - Grasses, Velvetgrass Holcus lanatus

**Published Data**

Panel I stated (pg 3147) "Velvet grass or Yorkshire fog (Holcus lanatus) is the prototype species (for the tribe aveneae). It flowers from June to August and is considered to be an important cause of hayfever in England and a contributory cause in California, Oregon, and Washington. There is evidence from controlled studies which indicates various oat tribe extracts are effective for diagnosis of oat tribe pollinosis (velvet grass Refs. 99, 127 and 184).

In PMID: 8428038, Yorkshire fog is used as one of the grass pollens in an allergen mixture to perform skin prick tests.

In PMID: 1173992, 898 out of 133 rhinitis patients had positive intracutaneous tests results. Of the 116 patients allergic to Yorkshire fog, 86% tested positive to rye grass and 89% tested positive to Timothy grass pollen extract. Results indicated cross-reactivity between these species.

In PMID: 9723659 sera were evaluated by positive RAST against 14 different pollen species. One of the species was H. lanatus pollen extract with a mean ratio of 1.20.

PMID: 735982, 6366027, and 7677246 discussed grass pollen immunotherapy.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
642_ Cut Rx to pollen exc in pts with hay fever.pdf	1173992	Löfkvist, T.	1975
635_ How far can we simplify in vitro diagnostic for grass poll	9723659	van Ree, R.	1998
608_ skin prick tests to common allergens.pdf	8428038	Grabbe, J.	1993
594_ Frequency of sensitization to different pollen groups an	735982	Martin-Gil, D.	1978
594_ Grass pollen IT a single year study.pdf	6366027	Ortolani, C.	1984
594_ Grass Pollen IT induces highly cross reactive IgG Abs to	7677246	van Ree, R.	1995

**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: 696 - Pollens - Grasses, Wheat, Cultivated Triticum aestivum**

**Recommended Common Name**      Wheat, 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)
- Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: wheat pollen, and allergy; Triticum aestivum, and allergy  
Google: allergy; allergy adverse; allergen; allergen adverse; same search results performed for Triticum aestivum pollen

**Nomenclature**

According to ITIS, the scientific name is Triticum aestivum. Common names are common wheat and wheat. The scientific name is correct and current. The common name needs to be updated. Synonyms are Triticum hybernum, T. macha, T. sativum, T. sphaerococcum, and T. vulgare. The Triticum genus is found in the Poaceae family.

**Parent Product**

581 - Pollens - Cultivated Farm Plants, Wheat, Cultivated Triticum aestivum

**Related Products**

696 - Pollens - Grasses, Wheat, Cultivated Triticum aestivum

**Published Data**

No supportive data were identified.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
635_ How far can we simplify in vitro diagnostic for grass poll	9723659	van Ree, R.	1998

<b>Panels:</b>	<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: 697 - Pollens - Grasses, Wheatgrass Crested Agropyron cristatum**

**Manufacturers of this Product**

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

**Search Strategy**

PubMed: wheat grass pollen allergy, Agropyron cristatum

Google: wheat grass pollen allergy, Agropyron cristatum

**Nomenclature**

According to ITIS, there are two listings for Agropyron cristatum. The common name in the first listing is crested wheat grass and the second listing does not include a common name. Both listings has the Agropyron genus in the Poaceae family. According to PLANTS, this grass is an introduced perennial found in most states other than the south, southeast and midatlantic regions. GRIN places this grass in the tribe Triticeae and subfamily Pooideae.

**Parent Product**

697 - Pollens - Grasses, Wheatgrass Crested Agropyron cristatum

**Published Data**

PMID 15283881 and 16091211 support cross-reactivity between species within the Pooideae subfamily and Triticeae tribe.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
595_ immunobiology of grass pollen allergens.pdf	16091211	Mohapatra, S.S.	2005
594_ CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004

Panels:

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

**Product: 698 - Pollens - Grasses, Wheatgrass, Siberian Agropyron sibiricum**

Recommended Scientific Name Agropyron fragile

Manufacturers of this Product

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

Search Strategy

PubMed: wheatgrass pollen, Agropyron sibiricum

Google: wheatgrass pollen allergy; wheatgrass pollen allergy adverse; wheatgrass pollen allergen; wheatgrass pollen allergen adverse; same search results performed for Agropyron sibiricum pollen

Nomenclature

According to ITIS, the current name of Agropyron sibiricum is Agropyron fragile. Common name is Siberian wheatgrass. Synonyms are Agropyron cristatum ssp. fragile, A. cristatum var. fragile, A. fragile var. sibiricum, A. fragile ssp. sibiricum, and A. sibiricum. The Agropyron genus is found in the Poaceae family. According to PLANTS, this grass is an introduced perennial found in South Dakota, Colorado, New Mexico, Nevada, Wyoming, and Utah. GRIN places this grass in the tribe Triticeae and subfamily Pooideae.

Parent Product

698 - Pollens - Grasses, Wheatgrass, Siberian Agropyron sibiricum

Published Data

PMID 15283881 and 16091211 support cross-reactivity between species within the Pooideae subfamily and Triticeae tribe.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
595_ immunobiology of grass pollen allergens.pdf	16091211	Mohapatra, S.S.	2005
594_ CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004

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

**Product: 699 - Pollens - Grasses, Wheatgrass, Slender Agropyron teneruem**

**Recommended Scientific Name** Elymus trachycaulus ssp. trachycaulus

**Manufacturers of this Product**

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

**Search Strategy**

PubMed: wheatgrass pollen, Agropyron teneruem

Google: wheatgrass pollen allergy; wheatgrass pollen allergy adverse; wheatgrass pollen allergen; wheatgrass pollen allergen adverse; same search results performed for Agropyron teneruem pollen, Elymus trachycaulus pollen

**Nomenclature**

Based on ITIS, it is believed that Agropyron teneruem is Agropyron tenerum. The current name of A. generum is Elymus trachycaulus ssp. trachycaulus. The common name is slender wheatgrass. There are 36 synonyms. The list was not transcribed here, Assuming that the genus and species name is E. trachycaulus, PLANTS database indicates that this grass is a native perennial grass found throughout the US except the deep South. GRIN places this grass in the tribe Triticeae and subfamily Pooideae.

**Parent Product**

700 - Pollens - Grasses, Wheatgrass, Slender Agropyron trachycaulum

**Related Products**

699 - Pollens - Grasses, Wheatgrass, Slender Agropyron teneruem

**Published Data**

PMID 15283881 and 16091211 support cross-reactivity between species within the Pooideae subfamily and Triticeae tribe.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
595_ immunobiology of grass pollen allergens.pdf	16091211	Mohapatra, S.S.	2005
594_ CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004

**Panels:**

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

**Product: 700 - Pollens - Grasses, Wheatgrass, Slender Agropyron trachycaulum**

**Recommended Scientific Name** Elymus trachycaulus ssp. trachycaulus

**Manufacturers of this Product**

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

**Search Strategy**

PubMed: wheatgrass pollen, Agropyron trachycaulum

Google: wheatgrass pollen allergy; wheatgrass pollen allergy adverse; wheatgrass pollen allergen; wheatgrass pollen allergen adverse; same search results performed for Agropyron trachycaulus pollen, Elymus trachycaulus pollen

**Nomenclature**

According to ITIS, the current name of Agropyron Trachycaulum is Elymus trachycaulus ssp. trachycaulus. The common name is slender wheatgrass. There are 36 synonyms. The list was not transcribed here, Assuming that the genus and species name is E. trachycaulus, PLANTS database indicates that this grass is a native perennial grass found throughout the US except the deep South. GRIN places this grass in the tribe Triticeae and subfamily Pooideae.

**Parent Product**

700 - Pollens - Grasses, Wheatgrass, Slender Agropyron trachycaulum

**Related Products**

699 - Pollens - Grasses, Wheatgrass, Slender Agropyron teneruem

**Published Data**

PMID 15283881 and 16091211 support cross-reactivity between species within the Pooideae subfamily and Triticeae tribe.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
595_ immunobiology of grass pollen allergens.pdf	16091211	Mohapatra, S.S.	2005
594_ CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004

**Panels:**

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

**Product: 701 - Pollens - Grasses, Wheatgrass, Tall Agropyron elongatum**

**Recommended Scientific Name** Thinopyrum ponticum

**Manufacturers of this Product**

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

**Search Strategy**

PubMed: wheatgrass pollen, Agropyron elongatum

Google: wheatgrass pollen allergy; wheatgrass pollen allergy adverse; wheatgrass pollen allergen; wheatgrass pollen allergen adverse; same search results performed for Agropyron elongatum pollen, Thinopyrum ponticum pollen

**Nomenclature**

According to ITIS, the current name of Agropyron elongatum is Thinopyrum ponticum. Common names are rush wheatgrass and tall wheatgrass. Synonyms are Agropyron elongatum, A. varnense, Elymus elongates, E. elongates var. ponticus, E. varnensis, E. elongate, E. pontica, and Lophopyrum elongatum. The Thinopyrum genus is found in the Poaceae family. According to PLANTS database, this grass is an introduced perennial is found throughout the mid-West and Western US and South Carolina. GRIN places this grass in the tribe Triticeae and subfamily Pooideae.

**Parent Product**

701 - Pollens - Grasses, Wheatgrass, Tall Agropyron elongatum

**Published Data**

PMID 15283881 and 16091211 support cross-reactivity between species within the Pooideae subfamily and Triticeae tribe.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
595_ immunobiology of grass pollen allergens.pdf	16091211	Mohapatra, S.S.	2005
594_ CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004

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

**Product: 702 - Pollens - Grasses, Wheatgrass, Western Agropyron smithii**

**Recommended Scientific Name** Pascopyrum smithii

**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: wheatgrass pollen, Agropyron smithii

Google: wheatgrass pollen allergy; wheatgrass pollen allergy adverse; wheatgrass pollen allergen; wheatgrass pollen allergen adverse; same search results performed for Agropyron smithii pollen, Pascopyrum smithii pollen

**Nomenclature**

According to ITIS, the current name of Agropyron smithii is Pascopyrum smithii. Common names are pubescent wheatgrass and western wheatgrass. Synonyms are Agropyron molle, A. smithii, A. smithii var. molle, A. smithii var. palmeri, Elymus smithii, Elytrigia smithii, and Elytrigia smithii var mollis. The Pascopyrum genus is found in the Poaceae family. PLANTS database indicates this native perennial grass is found throughout much of the US except some mid-atlantic states and very southern states. GRIN places this grass in the tribe Triticeae and subfamily Pooideae.

**Parent Product**

702 - Pollens - Grasses, Wheatgrass, Western Agropyron smithii

**Published Data**

Panel I indicated (pg 3147) that this pollen “is found over much of the Western Unites States and Canada, flowers from July to September and is an important contributory cause of hayfever. There is evidence from controlled studies which indicates that wheatgrass extracts are effective for diagnosis of wheatgrass pollinosis (Refss 42 and 107). Barley (Products 595 and 596) and Quack (Product 671) grass extracts, are in the Pooideae subfamily and Triticeae tribe. PMID 15283881 supports cross-reactivity between species within the Pooideae subfamily and Triticeae tribe.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
594_CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	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: 703 - Pollens - Grasses, Windmill Grass Chloris verticillata**

**Manufacturers of this Product**

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

**Search Strategy**

PubMed: windmill grass pollen allergy, Chloris verticillata

Google: windmill grass pollen allergy; windmill grass pollen allergy adverse; windmill grass pollen allergen; windmill grass pollen allergen adverse; same search results performed for Chloris verticillata pollen

**Nomenclature**

According to ITIS, the scientific name, Chloris verticillata, is correct and current. Common names are tumble windmill grass and windmillgrass. The Chloris genus is found in the Poaceae family. PLANTS database indicates this native perennial grass is found in the US except, Oregon, Washington, Indiana, Montana, North Dakota, Minneapolis, Wisconsin, Vermont, New Hampshire, Massachusetts, West Virginia, North Carolina, Georgia, Florida, Alabama, and Louisiana. GRIN places this plant in the tribe Cynodonteae and subfamily Chloridoideae.

**Parent Product**

703 - Pollens - Grasses, Windmill Grass Chloris verticillata

**Published Data**

PMID 15283881 and 16091211 support cross-reactivity between species within the Pooideae subfamily and Triticeae tribe.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
595_ immunobiology of grass pollen allergens.pdf	16091211	Mohapatra, S.S.	2005
594_ CurrAllAsthmaRepts-4-401.pdf	15283881	Weber, R.W.	2004

Panels:

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