

September 25, 2015

Express Mail

Marcelo Morales
Chief Executive Officer
Jubilant HollisterStier, LLC
P.O. Box 3145
3525 North Regal Street
Spokane, Washington 99207

Dear Mr. Morales:

Through routine monitoring and surveillance, the Office of Compliance and Biologics Quality in the Center for Biologics Evaluation and Research of the United States Food and Drug Administration (FDA) has reviewed your website www.hsallergy.com as well as other information in our records concerning licensed non-standardized allergenic extracts used in the diagnosis and treatment of allergic disease. It has come to our attention that correct and consistent nomenclature is not being used, and that the proportions of non-standardized extracts used in licensed allergen mixtures are not identified. The Federal Food, Drug, and Cosmetic Act provides that a drug, including an allergenic extract, shall be deemed to be misbranded if its labeling is false or misleading in any particular (Section 502(a) Federal Food, Drug, and Cosmetic Act) [21 U.S.C. 352 (a)]. Such a product may also be misbranded if the contents are not described with adequate specificity, as required under regulation (21 CFR 610.14, 610.61, 680.1(b)) and statute [21 U.S.C. 352(c), 352(e)(1)(A)(ii)].

The use of incorrect nomenclature, or multiple descriptors for allergenic extracts derived from the same source material, can lead to mistakes in diagnosis and inappropriate treatment of allergies. For example, an adverse reaction could result if two allergenic extracts identified using inconsistent nomenclature actually contain the same allergen and are administered to the same individual. In addition, the inaccurate identification of the proportions of non-standardized extracts used to make licensed allergen mixtures can lead to mistakes in the diagnosis and inappropriate treatment of allergies. Consistent use of identifying terminology and correct identification of the proportions of each non-standardized extract used to make licensed allergen mixtures are necessary to assure that allergenic extracts are accurately labeled and not misbranded.

Reviews by external panels of data related to the safety, effectiveness, and labeling for non-standardized allergenic extracts took place in 1974-1979 and 1982-1983 and support

the use of full and accurate nomenclature. The first panel's report included the proposal that specific designations and identifiers for the source materials be used and that these appear on the product label for all allergenic extracts. The second panel reviewed the findings of the first panel and further specified that genus/species names be used to identify pollen, mold and plant extracts.

FDA formed an internal committee to review available scientific and medical data from published literature on the safety and effectiveness of non-standardized allergenic extracts. During this review, FDA determined that nomenclature was not consistently applied. For example:

- Information on specific species cannot be ascertained because some products are identified using the term "mixed"¹
- Manufacturers have multiple listings in the licenses for allergenic extracts derived from the same source material
- The adoption of a different naming convention for the same source material of a specific genus and species licensed by another manufacturer
- The identity of the extract is listed by genus only, so different species may be represented across manufacturers.

This review became the basis for the nomenclature provided in this letter (see Attachments) to fully and accurately identify licensed non-standardized allergenic extracts. Technology is readily available to accurately identify the species of all source materials used for allergenic extract manufacture, so that valid nomenclature can be applied to non-standardized allergenic extracts. As described in this letter (see Attachments), FDA has provided proper identifiers for source materials that, if consistently used, would accurately identify non-standardized allergenic extracts derived from these materials.

Additionally, the identification of licensed mixtures of non-standardized allergenic extracts is ambiguous and leads to confusion and potentially inappropriate use of these extracts in the diagnosis and treatment of allergic disease. Frequently a product is identified by genus only and the species is unknown. Also, even when the component species used to manufacture the licensed allergen mixture are identified, the proportions of each non-standardized extract used to make the licensed allergen mixture are not identified. This inaccurate identification of the proportions of each non-standardized extract used in these licensed allergen mixtures also leads to confusion and potentially inappropriate treatment of allergies.

¹ Under 21 CFR 610.17, licensed biological products must not be combined with other licensed biological products "either therapeutic, prophylactic or diagnostic," except as covered by a license obtained for the combined product. All mixes of allergenic extracts, including custom mixes, must be subject of an approved biologics license application or have in effect an investigational new drug application. FDA is addressing prescription sets of allergenic extracts in separate guidance. See Draft Guidance for Industry, Mixing, Diluting, or Repackaging Biological Products Outside the Scope of an Approved Biologics License Application. <http://www.fda.gov/ucm/groups/fdagov-public/@fdagov-drugs-gen/documents/document/ucm434176.pdf>

The nomenclature identifiers provided in this letter (see Attachments) do not necessarily constitute an exhaustive list of your products used in the diagnosis and treatment of allergic disease. It is your responsibility to ensure that the labeling for all of your licensed biological products accurately identifies the products and complies with all applicable laws, regulations, and standards.

Please review the nomenclature identifiers provided in this letter (see Attachments) and notify this office, in writing, of: (1) the steps you have taken or will take to properly identify the non-standardized allergenic extracts that are not identified, or properly identify the proportions of non-standardized extracts used to make licensed allergen mixtures, or both, based on the nomenclature provided in this letter; (2) your proposed timeframes for submitting labeling supplements under 21 CFR 601.12(f)(2)(i)(E) for product labeling that needs revision; and (3) your plans to update your establishment registration and product listing information including all currently manufactured products under Section 510 of the Act [21 U.S.C. 360]. Your response should be sent to me at the following address: U.S. Food and Drug Administration, Center for Biologics Evaluation and Research, 10903 New Hampshire Avenue, WO71-5030, Silver Spring, Maryland, 20993-0002.

In addition, please identify any non-standardized allergenic extracts that you have discontinued manufacturing and have no plans to manufacture in the future. For those non-standardized allergenic extracts that you no longer manufacture or intend to manufacture, if any, we ask you to consider submitting a voluntary request that your biologics license be revoked with regard to those extracts.

If you have questions concerning this matter, you may contact me at (240)-402-9153. Additionally, you may contact Dr. Jay Slater, Director, Division of Bacterial, Parasitic, and Allergenic Products, Office of Vaccines Research and Review at (240)-402-7396.

Sincerely,

Mary A. Malarkey
Director
Office of Compliance and Biologics Quality
Center for Biologics Evaluation and Research

Attachments:

Table 1 – Licensed non-standardized allergenic extracts with incorrect identifiers and recommended correct identifiers

Table 2 – Licensed non-standardized allergenic extracts with correct identifiers

cc:

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Hollister Stier, Table 1: Licensed non-standardized allergenic extracts with Incorrect identifiers and recommended correct identifiers

Current identifier	Recommended identifier	Explanation
Animal Allergens, Cattle Hair and Dander Bos sp	Animal Allergens: Cattle Hair and Dander , Bos taurus	The scientific name is ambiguous. The common name is correct.
Animal Allergens, Chicken Feathers Gallus sp.	Animal Allergens: Chicken feathers, Gallus gallus	The scientific name is ambiguous. The common name is correct.
Animal Allergens, Dog Dander Canis spp.	Animal Allergens: Dog dander, Canis lupus familiaris	The scientific name is ambiguous. The common name is correct.
Animal Allergens, Dog Hair Canis spp.	Animal Allergens: Dog hair, Canis lupus familiaris	The scientific name is ambiguous. The common name is correct.
Animal Allergens, Duck Feathers Anas platyrhynchos	Animal Allergens: Duck Feathers, Anas platyrhynchos	The scientific name is misspelled. The common name is correct.
Animal Allergens, Gerbil Hair Gerbillus spp.	Animal Allergens: Gerbil hair, Gerbillus (species to be specified)	The scientific name is ambiguous. The common name is correct.
Animal Allergens, Gerbil Hair Meriones spp.	Animal Allergens: Gerbil Hair, Meriones (species to be specified)	The scientific name is ambiguous. The common name is correct.
Animal Allergens, Goose Feathers Chen spp.	Animal Allergens: Goose feathers, Chen (species to be specified)	The scientific name is ambiguous. The common name is correct.
Animal Allergens, Hamster Hair and Epithelium Cricetus sp.	Animal Allergens: Hamster Hair and Epithelium, Cricetus cricetus	The scientific name is ambiguous. The common name is correct.
Food - Animal Products and Poultry Products, Beef Bos sp	Food - Animal Products and Poultry Products: Beef, Bos taurus	The scientific name is ambiguous. The common name is correct.
Food - Animal Products and Poultry Products, Chicken Meat Gallus sp.	Food - Animal Products and Poultry Products: Chicken Meat, Gallus gallus	The scientific name is ambiguous. The common name is correct.
Food - Animal Products and Poultry Products, Egg, White Gallus sp.	Food - Animal Products and Poultry Products: Egg, white , Gallus gallus	The scientific name is ambiguous. The common name is correct.
Food - Animal Products and Poultry Products, Egg, Whole Gallus sp.	Food - Animal Products and Poultry Products: Egg, whole , Gallus gallus	The scientific name is ambiguous. The common name is correct.
Food - Animal Products and Poultry Products, Egg, Yolk Gallus sp.	Food - Animal Products and Poultry Products: Egg, yolk, , Gallus gallus	The scientific name is ambiguous. The common name is correct.
Food - Dairy Products, Casein, Cow's Milk	Food - Dairy Products: Casein, Bos taurus	The scientific name is absent. The common name is correct.
Food - Dairy Products, Milk, Whole Cow's	Food - Dairy Products: Milk , Bos taurus	The scientific name is absent. The common name is correct.
Food - Fish and Shellfish, Clam Mya Protheuca staminez.	Food - Fish and Shellfish: Clam, Protothaca staminea	The scientific name is misspelled. The common name, Mya Clam, is not correct.
Food - Fish and Shellfish, Clam Venus Protheuca staminez	Food - Fish and Shellfish: Clam, Protothaca staminea	The scientific name is misspelled. The common name, Venus Clam, is not correct.
Food - Fish and Shellfish, Codfish Gadus callarias	Food - Fish and Shellfish: Cod, Atlantic, Gadus morhua	The scientific name is obsolete. The common name is ambiguous.
Food - Fish and Shellfish, Crab Xiphosurus saworbyl	Food - Fish and Shellfish: Crab, Horseshoe, (genus and species to be specified)	The scientific name is obsolete. The common name is correct.
Food - Fish and Shellfish, Lingcod, Ophiodon spp	Food - Fish and Shellfish: lingcod, Ophiodon elongatus	The scientific name is ambiguous. The common name is correct.
Food - Fish and Shellfish, Lobster, Florida	Food - Fish and Shellfish: Lobster, Florida, (genus and species to be specified)	The scientific name is ambiguous. The common name is correct.
Food - Fish and Shellfish, Shrimp Crago sp.	Food - Fish and Shellfish: Shrimp , Crangon (species to be specified)	The scientific name is misspelled and ambiguous. The common name is correct.
Food - Fish and Shellfish, Tuna Thunnus sp.	Food - Fish and Shellfish: Tuna, Thunnus (species to be specified)	The scientific name is ambiguous. The common name is correct.
Food - Plant Source, Almond Prunus amygdalus	Food - Plant Source: Almond, Prunus dulcis	The scientific name is obsolete. The common name is correct.
Food - Plant Source, Banana Musa sapientum	Food - Plant Source: Banana, Musa (species to be specified)	The scientific name is obsolete. The common name is correct.
Food - Plant Source, Hazelnut (Filbert) Corylus spp	Food - Plant Source: Hazelnut (Filbert), Corylus (species to be specified)	The scientific name is ambiguous. The common name is misspelled.
Food - Plant Source, Melon, Cetalope Cucumis melo	Food - Plant Source: Cantaloupe, Cucumis melo	The scientific name is correct. The common name is misspelled.
Food - Plant Source, Oat Grain Avena spp.	Food - Plant Source: Oat grain, Avena sativa	The scientific name is ambiguous. The common name is correct.
Food - Plant Source, Orange Citrus sinensis	Food - Plant Source: Orange, Citrus X sinensis	The scientific name is obsolete. The common name is correct.
Food - Plant Source, Pecan Carya illinoensis	Food - Plant Source: Pecan, Carya illinoensis	The scientific name is misspelled. The common name is correct.
Food - Plant Source, Rye Grain	Food - Plant Source: Rye Grain, Secale cereale	The scientific name is absent. The common name is correct.
Food - Plant Source, Soybean Glycine soja	Food - Plant Source: Soybean, Glycine max	The scientific name is obsolete. The common name is correct.
Food - Plant Source, Strawberry Fragaria chiloensis	Food - Plant Source: Strawberry, Fragaria X ananassa	The scientific name is incorrect. The common name is correct.
Food - Plant Source, Tomato Nicotiana spp.	Food - Plant Source: Tomato, (species to be specified)	The scientific name is ambiguous and incorrect. The common name is correct.

Hollister Stier. Table 1: Licensed non-standardized allergenic extracts with incorrect identifiers and recommended correct identifiers

Food - Plant Source, Wheat Bran	Food - Plant Source: Wheat Bran, <i>Triticum aestivum</i>	The scientific name is absent. The common name is correct.
Food - Plant Source, Wheat Flour	Food - Plant Source: Wheat flour, <i>Triticum aestivum</i>	The scientific name is absent. The common name is correct.
Food - Plant Source, Wheat Gluten	Food - Plant Source: Wheat gluten, <i>Triticum aestivum</i>	The scientific name is absent. The common name is correct.
Food - Plant Source, Wheat Grain	Food - Plant Source: Wheat grain, <i>Triticum aestivum</i>	The scientific name is absent. The common name is correct.
Insects (Whole Body), Cockroach German <i>Blattella germanica</i>	Insects (Whole Body): , <i>Blattella germanica</i>	The scientific name is misspelled. The common name is correct.
Molds, Rusts and Smuts, <i>Alternaria tenuis</i> (alternata)	Molds, Rusts and Smuts: <i>Alternaria alternata</i>	Scientific name is obsolete.
Molds, Rusts and Smuts, <i>Cephalosporium acremonium</i>	Molds, Rusts and Smuts: <i>Sarocladium strictum</i>	Scientific name is obsolete.
Molds, Rusts and Smuts, <i>Cephalosporium</i> spp.	Molds, Rusts and Smuts: <i>Cephalosporium</i> (species to be specified)	Scientific name is ambiguous.
Molds, Rusts and Smuts, <i>Epicoccum</i> sp.	Molds, Rusts and Smuts: <i>Epicoccum</i> (species to be specified)	Scientific name is ambiguous.
Molds, Rusts and Smuts, <i>Fusarium vasinfectum</i>	Molds, Rusts and Smuts: <i>Fusarium oxysporum</i>	Scientific name is obsolete.
Molds, Rusts and Smuts, <i>Helminthosporium interseminatum</i>	Molds, Rusts and Smuts: <i>Dendryphiella vinosa</i>	Scientific name is obsolete.
Molds, Rusts and Smuts, <i>Hormodendrum</i> (Cladosporium)	Molds, Rusts and Smuts: <i>Hormodendrum</i> (species to be specified)	Scientific name is ambiguous.
Molds, Rusts and Smuts, <i>Monilia sitophila</i>	Molds, Rusts and Smuts: <i>Chrysonilia sitophila</i>	Scientific name is obsolete.
Molds, Rusts and Smuts, <i>Penicillium glaucum</i>	Molds, Rusts and Smuts: <i>Penicillium expansum</i>	Scientific name is obsolete.
Molds, Rusts and Smuts, <i>Penicillium roseum</i>	Molds, Rusts and Smuts: <i>Clonostachys rosea</i>	Scientific name is obsolete.
Molds, Rusts and Smuts, <i>Pullularia pullulans</i>	Molds, Rusts and Smuts: <i>Aureobasidium pullulans</i>	Scientific name is obsolete.
Molds, Rusts and Smuts, <i>Rhizopus nigricans</i>	Molds, Rusts and Smuts: <i>Rhizopus stolonifer</i>	Scientific name is obsolete.
Molds, Rusts and Smuts, <i>Stemphylium botryosum</i>	Molds, Rusts and Smuts: <i>Pleospora tarda</i>	Scientific name is obsolete.
Pollens - Cultivated Farm Plants, Mustard, White <i>Brassica alba</i>	Pollens - Cultivated Farm Plants: Mustard, White, <i>Sinapis alba</i>	The scientific name is obsolete. The common name is correct.
Pollens - Cultivated Farm Plants, Wheat, Cultivated <i>Triticum sativa</i>	Pollens - Cultivated Farm Plants: Wheat, Cultivated, <i>Triticum aestivum</i>	The scientific name is obsolete. The common name is correct.
Pollens - Grasses, Barnyard Grass <i>Echinochloa crusgalli</i>	Pollens - Grasses: Barnyard Grass, <i>Echinochloa crus-galli</i>	The scientific name is obsolete. The common name is correct.
Pollens - Grasses, Bent Grass, Colonial <i>Agrostis tenuis</i>	Pollens - Grasses: Bent Grass, Colonial, <i>Agrostis capillaris</i>	The scientific name is obsolete. The common name is correct.
Pollens - Grasses, Bent Grass, Creeping <i>Agrostis palustris</i>	Pollens - Grasses: Bent Grass, Creeping, <i>Agrostis stolonifera</i>	The scientific name is obsolete. The common name is correct.
Pollens - Grasses, Bluegrass, Big <i>Poa ampla</i>	Pollens - Grasses: Bluegrass, Big, <i>Poa secunda</i>	The scientific name is obsolete. The common name is correct.
Pollens - Grasses, Bluegrass, Fowl (Flas Redtop) <i>Poa palustris</i>	Pollens - Grasses: Bluegrass, Fowl, <i>Poa palustris</i>	The scientific name is correct. The common name is ambiguous.
Pollens - Grasses, Bluegrass, Native <i>Poa scabrella</i>	Pollens - Grasses: Bluegrass, Native, <i>Poa secunda</i>	The scientific name is obsolete. The common name is correct.
Pollens - Grasses, Bluegrass, Sandberg <i>Poa sandbergii</i>	Pollens - Grasses: Bluegrass, Sandberg, <i>Poa secunda</i>	The scientific name is obsolete. The common name is correct.
Pollens - Grasses, Brome Broncho-Rippgut <i>Bromus rigidus</i>	Pollens - Grasses: Brome, Broncho/Rippgut, <i>Bromus diandrus</i>	The scientific name is obsolete. The common name is correct.
Pollens - Grasses, Brome, Corn Millet	Pollens - Grasses: Brome, Corn Millet, (genus and species to be specified)	The scientific is absent. The common name is ambiguous.
Pollens - Grasses, Brome, Soft Cheat <i>Bromus mollis</i>	Pollens - Grasses: Brome, Soft Cheat, <i>Bromus hordeaceus</i>	The scientific name is obsolete. The common name is correct.
Pollens - Grasses, Brome, Southern Chess <i>Bromus uniloides</i>	Pollens - Grasses: Brome, Southern Chess, <i>Bromus catharticus</i>	The scientific name is obsolete. The common name is correct.
Pollens - Grasses, Bunch, Blue (Northwest Bunch) <i>Agropyron spicatum</i>	Pollens - Grasses: Bunch, Blue (Northwest Bunch), <i>Pseudoroegneria spicata</i>	The scientific name is obsolete. The common name is correct.
Pollens - Grasses, Dallis Grass <i>Paspalum dilitatum</i>	Pollens - Grasses: Dallis Grass, <i>Paspalum dilatatum</i>	The scientific name is misspelled. The common name is correct.
Pollens - Grasses, Dropseed <i>Sporobolis airoides</i>	Pollens - Grasses: Dropseed, <i>Sporobolus airoides</i>	The scientific name is misspelled. The common name is correct.

Hollister Stier. Table 1: Licensed non-standardized allergenic extracts with incorrect identifiers and recommended correct identifiers

Pollens - Grasses, Fescue, Rattail <i>Festuca myuros</i>	Pollens - Grasses: Rattail, <i>Vulpia myuros</i>	The scientific name is obsolete. The common name is correct.
Pollens - Grasses, Fescue, Tall <i>Festuca arundinaceae</i>	Pollens - Grasses: Fescue, Tall, <i>Schedonorus arundinaceus</i>	The scientific name is obsolete. The common name is correct.
Pollens - Grasses, Finger Grass <i>Chloris inflata</i>	Pollens - Grasses: Finger Grass, <i>Chloris barbata</i>	The scientific name is obsolete. The common name is correct.
Pollens - Grasses, Finger Grass, Featherfinger <i>Chloris virgata</i>	Pollens - Grasses: Finger Grass, Featherfinger, <i>Chloris virgata</i>	The scientific name is misspelled. The common name is correct.
Pollens - Grasses, Flattergrass <i>Milium effusum</i>	Pollens - Grasses: Flattergrass, <i>Milium effusum</i>	The scientific name is misspelled. The common name is correct.
Pollens - Grasses, Foxtail, Yellow <i>Setaria</i> sp.	Pollens - Grasses: Foxtail, Yellow, <i>Setaria</i> (species to be specified)	The scientific name is ambiguous. The common name is correct.
Pollens - Grasses, Gama Grass, Blue <i>Bouteloua gracilis</i>	Pollens - Grasses: Grama Grass, Blue, <i>Bouteloua gracilis</i>	The scientific name is correct. The common name is misspelled.
Pollens - Grasses, Grama Grass, <i>Tripsicum dactyloides</i>	Pollens - Grasses: Gama Grass, <i>Tripsicum dactyloides</i>	The scientific and common names are misspelled.
Pollens - Grasses, Joint Grass (Know Grass) <i>Paspalum distichum</i>	Pollens - Grasses: Joint Grass (Knot Grass), <i>Paspalum distichum</i>	The scientific name is correct. The common name is misspelled.
Pollens - Grasses, Koeler's Grass (Western Junegrass) <i>Koeleria cristata</i>	Pollens - Grasses: Koeler's Grass (Western Junegrass), <i>Koeleria pyramidata</i>	The scientific name is obsolete. The common name is correct.
Pollens - Grasses, Melic <i>Melica uniflora</i>	Pollens - Grasses: Melic, (genus and species to be specified)	The scientific name is obsolete. The common name is correct.
Pollens - Grasses, Needle Grass <i>Stipa lepida</i>	Pollens - Grasses: Needle Grass, <i>Nassella lepida</i>	The scientific name is obsolete. The common name is correct.
Pollens - Grasses, Needle Grass, Giant <i>Stipa coronata</i>	Pollens - Grasses: Needle Grass, Giant, <i>Achnatherum coronatum</i>	The scientific name is obsolete. The common name is correct.
Pollens - Grasses, Needle Grass, Lemmon <i>Stipa lemmoni</i>	Pollens - Grasses: Needlegrass, Lemmon, <i>Achnatherum lemmonii</i>	The scientific name is obsolete. The common name is correct.
Pollens - Grasses, Oatgrass, Tall <i>Arrhenatherum elatius</i> or <i>Avena elatior</i>	Pollens - Grasses: Oatgrass, Tall, <i>Arrhenatherum elatius</i>	The scientific name is misspelled and obsolete. The common name is correct.
Pollens - Grasses, Paragrass <i>Panicum purpurescens</i>	Pollens - Grasses: Paragrass, <i>Urochloa mutica</i>	The scientific name is obsolete. The common name is correct.
Pollens - Grasses, Quack (Couch) Grass <i>Agropyron repens</i>	Pollens - Grasses: Quack (Couch) Grass, <i>Elymus repens</i>	The scientific name is obsolete. The common name is correct.
Pollens - Grasses, Quacking Grass <i>Brizia media</i>	Pollens - Grasses: Quacking Grass, <i>Briza media</i>	The scientific name is misspelled. The common name is correct.
Pollens - Grasses, Redtop, European <i>Agrostis gigantea</i>	Pollens - Grasses: Redtop, European, <i>Agrostis gigantea</i>	The scientific name is misspelled. The common name is correct.
Pollens - Grasses, Reed <i>Phragmites communis</i>	Pollens - Grasses: Reed, <i>Phragmites australis</i>	The scientific name is obsolete. The common name is correct.
Pollens - Grasses, Rhodes Grass <i>Chloris gayana</i> (neglecta)	Pollens - Grasses: Rhodes Grass, <i>Chloris gayana</i>	The scientific name is obsolete. The common name is correct.
Pollens - Grasses, Ryegrass, Alkali <i>Elymus triticoides</i>	Pollens - Grasses: Ryegrass, Alkali, <i>Leymus triticoides</i>	The scientific name is obsolete. The common name is correct.
Pollens - Grasses, Ryegrass, Darnel <i>Lolium temulentum</i>	Pollens - Grasses: Ryegrass, Darnel, <i>Lolium temulentum</i>	The scientific name is misspelled. The common name is correct.
Pollens - Grasses, Ryegrass, Giant Wild <i>Elymus condensatus</i> (cinereus)	Pollens - Grasses: Ryegrass, Giant Wild, <i>Leymus condensatus</i>	The scientific name is obsolete. The common name is correct.
Pollens - Grasses, Ryegrass, Pacific Giant Wild <i>Elymus condensatus</i>	Pollens - Grasses: Ryegrass, Pacific Giant Wild, <i>Leymus condensatus</i>	The scientific name is obsolete. The common name is correct.
Pollens - Grasses, Slough Grass <i>Beckmannia erucaeformis</i>	Pollens - Grasses: Slough Grass, <i>Beckmannia syzigachne</i>	The scientific name is obsolete. The common name is correct.
Pollens - Grasses, Sorghum, Grain	Pollens - Grasses: Sorghum, grain, <i>Sorghum</i> (species to be specified)	The scientific name is ambiguous. The common name is correct.
Pollens - Grasses, Sudan Grass <i>Andropogon sudanense</i>	Pollens - Grasses: Sudan Grass, <i>Sorghum X drummondii</i>	The scientific name is obsolete. The common name is correct.
Pollens - Grasses, Sudan Grass <i>Sorghum vulgare sudanense</i>	Pollens - Grasses: Sudan Grass, <i>Sorghum X drummondii</i>	The scientific name is obsolete. The common name is correct.
Pollens - Grasses, Sudan Grass <i>Sorghum vulgare sudanensis</i>	Pollens - Grasses: Sudan Grass, <i>Sorghum X drummondii</i>	The scientific name is obsolete. The common name is correct.

Hollister Stier. Table 1: Licensed non-standardized allergenic extracts with incorrect identifiers and recommended correct identifiers

Pollens - Grasses, Wheatgrass, Siberian Agropyron sibiricum	Pollens - Grasses: Wheatgrass, Siberian, Agropyron fragile	The scientific name is obsolete. The common name is correct.
Pollens - Grasses, Wheatgrass, Slender Agropyron teneruem	Pollens - Grasses: Wheatgrass, Slender, Elymus trachycaulus	The scientific name is obsolete. The common name is correct.
Pollens - Grasses, Whoatgrass, Slender Agropyron trachycaulum	Pollens - Grasses: Wheatgrass, Slender, Elymus trachycaulus	The scientific name is obsolete. The common name is correct.
Pollens - Grasses, Wheatgrass, Tall Agropyron elongatum	Pollens - Grasses: Wheatgrass, Tall, Thinopyrum elongatum	The scientific name is obsolete. The common name is correct.
Pollens - Grasses, Wheatgrass, Western Agropyron smithii	Pollens - Grasses: Wheatgrass, Western, Pascopyrum smithii	The scientific name is obsolete. The common name is correct.
Pollens - Trees, Acacia spp.	Pollens - Trees: Acacia, Acacia (species to be specified)	The scientific name is ambiguous. The common name is correct.
Pollens - Trees, Acacia, Green Acacia decurmes	Pollens - Trees: Acacia, Green, Acacia decurrens	The scientific name is misspelled. The common name is correct.
Pollens - Trees, Alder, Mountain (Tag-Slender) Alnus tenofolia/incana	Pollens - Trees: Alder, Mountain (Tag-Slender), Alnus incana ssp. tenuifolia.	The scientific name is obsolete. The common name is correct.
Pollens - Trees, Alder, Sitka Alnus sinuata	Pollens - Trees: Alder, Sitka, Alnus viridis ssp. sinuata	The scientific name is obsolete. The common name is correct.
Pollens - Trees, Alder, Tag-Smooth Alnus rugosa	Pollens - Trees: Alder, Tag-Smooth, Alnus incana ssp. rugosa.	The scientific name is obsolete. The common name is correct.
Pollens - Trees, Almond Prunus amygdalus	Pollens - Trees: Almond, Prunus dulcis	The scientific name is obsolete. The common name is correct.
Pollens - Trees, Apple Pyrus malus	Pollens - Trees: Apple, Malus pumila	The scientific name is obsolete. The common name is correct.
Pollens - Trees, Arbor Vitae, Oriental Thuja orientalis	Pollens - Trees: Arbor Vitae, Oriental, Platycladus orientalis	The scientific name is obsolete. The common name is correct.
Pollens - Trees, Ash Excelsior Fraxinum excelsior	Pollens - Trees: Ash, Fraxinus excelsior	The scientific name is misspelled. The common name is correct.
Pollens - Trees, Ash Fraxinus spp.	Pollens - Trees: Ash, Fraxinus (species to be specified)	The scientific name is ambiguous. The common name is correct.
Pollens - Trees, Ash, Oregon Fraxinus oregona	Pollens - Trees: Ash, Oregon, Fraxinus latifolia	The scientific name is obsolete. The common name is correct.
Pollens - Trees, Aspen European Populus tremulana	Pollens - Trees: Aspen, European, Populus tremula	The scientific name is misspelled. The common name is correct.
Pollens - Trees, Bayberry Myrica cerifera	Pollens - Trees: Bayberry, Morella cerifera	The scientific name is obsolete. The common name is correct.
Pollens - Trees, Bayberry Myrica spp.	Pollens - Trees: Bayberry, Myrica (species to be specified)	The scientific name is ambiguous. The common name is correct.
Pollens - Trees, Beech, American Fagus americana	Pollens - Trees: Beech, American, Fagus grandifolia	The scientific name is obsolete. The common name is correct.
Pollens - Trees, Birch Betula spp.	Pollens - Trees: Birch, Betula (species to be specified)	The scientific name is ambiguous. The common name is correct.
Pollens - Trees, Birch, Gray Betula populifornica	Pollens - Trees: Birch, Gray, Betula populifolia	The scientific name is misspelled. The common name is correct.
Pollens - Trees, Birch, Red Betula rubra	Pollens - Trees: Birch, River, Betula nigra	The scientific and common names are ambiguous.
Pollens - Trees, Birch, White Betula alba	Pollens - Trees: Birch, White, Betula pubescens	The scientific name is obsolete. The common name is correct.
Pollens - Trees, Birch, Yellow Betula lutea	Pollens - Trees: Birch, Yellow, Betula alleghaniensis	The scientific name is obsolete. The common name is correct.
Pollens - Trees, Blue Beech (Am. Hornbeam) Carpinus carolineana	Pollens - Trees: Blue Beech (American Hornbeam), Carpinus caroliniana	The scientific and common names are misspelled.
Pollens - Trees, Bottle Brush Callistemon spp.	Pollens - Trees: Bottle Brush, Callistemon (species to be specified)	The scientific name is ambiguous. The common name is correct.
Pollens - Trees, Casuarina Casuarina huegliana	Pollens - Trees: Casuarina, (genus and species to be specified)	The scientific name is ambiguous. The common name is correct.
Pollens - Trees, Cedar Juniperus spp.	Pollens - Trees: Cedar, Juniperus (species to be specified)	The scientific name is ambiguous. The common name is correct.
Pollens - Trees, Cedar, Atlantic Cedrus atlantica	Pollens - Trees: (common name to be specified), Cedrus (species to be specified)	The scientific and common names are ambiguous.
Pollens - Trees, Cedar, Deodar	Pollens - Trees: Cedar, Deodar, Cedrus deodara	The scientific name is absent. The common name is correct.
Pollens - Trees, Cedar, Deodar Cedrus deodora	Pollens - Trees: Cedar, Deodar, Cedrus deodara	The scientific name is misspelled. The common name is correct.
Pollens - Trees, Cedar, Incense Libocedrus decurrens	Pollens - Trees: Cedar, Incense, Calocedrus decurrens	The scientific name is obsolete. The common name is correct.
Pollens - Trees, Cedar, Mountain Juniperus sabinoides	Pollens - Trees: Cedar, Mountain, Juniperus ashei	The scientific name is obsolete. The common name is correct.
Pollens - Trees, Cottonwood, Arizona Populus fremonti	Pollens - Trees: Cottonwood, Arizona, Populus fremontii	The scientific name is misspelled. The common name is correct.
Pollens - Trees, Cottonwood, Arizona Populus macdougalii	Pollens - Trees: Cottonwood, Arizona, Populus fremontii ssp. fremontii	The scientific name is obsolete. The common name is correct.
Pollens - Trees, Cottonwood, Fremont Populus fremonti	Pollens - Trees: Cottonwood, Fremont, Populus fremontii	The scientific name is misspelled. The common name is correct.
Pollens - Trees, Cottonwood, Ornamental, Populus eugenei	Pollens - Trees: Cottonwood, Ornamental, Populus X canadensis	The scientific name is obsolete. The common name is correct.

Hollister Stier. Table 1: Licensed non-standardized allergenic extracts with incorrect identifiers and recommended correct identifiers

Pollens - Trees, Cottonwood, Western Populus sargentii	Pollens - Trees: Cottonwood, Western, Populus deltoides ssp. Monilifera	The scientific name is obsolete. The common name is correct.
Pollens - Trees, Cypress, Arizona Cupressus arizonica	Pollens - Trees: Cypress, Arizona, Callitropsis arizonica	The scientific name is obsolete. The common name is correct.
Pollens - Trees, Cypress, Mexican Taxodium mucronatum	Pollens - Trees: Cypress, Mexican, Taxodium mucronatum	The scientific name is misspelled. The common name is correct.
Pollens - Trees, Cypress, Monterey Cupressus macrocarpa	Pollens - Trees: Cypress, Monterey, Callitropsis macrocarpa	The scientific name is obsolete. The common name is correct.
Pollens - Trees, Cypress, White Cupressus alba	Pollens - Trees: Cypress, White, (genus and species to be specified)	The scientific name is ambiguous. The common name is correct.
Pollens - Trees, Elderberry Sambucus cerulea	Pollens - Trees: Elderberry, Sambucus nigra ssp. cerulea	The scientific name is obsolete. The common name is correct.
Pollens - Trees, Elderberry Sambucus glauca	Pollens - Trees: Elderberry, Sambucus nigra ssp. cerulea	The scientific name is obsolete. The common name is correct.
Pollens - Trees, Elderberry Sambucus spp.	Pollens - Trees: Elderberry, Sambucus (species to be specified)	The scientific name is ambiguous. The common name is correct.
Pollens - Trees, Elderberry, Camperdown Ulmus glabr	Pollens - Trees: (species to be named), Ulmus (species to be specified)	The scientific and common names are ambiguous.
Pollens - Trees, Elm Mix Ulmus spp.	Pollens - Trees: Elm Mix, Ulmus (species to be specified)	The scientific and common names are ambiguous.
Pollens - Trees, Elm, English Ulmus campestris	Pollens - Trees: Elm, English, Ulmus procera	The scientific name is obsolete. The common name is correct.
Pollens - Trees, Elm, Slippery Ulmus fulva (rubra)	Pollens - Trees: Elm, Slippery, Ulmus rubra	The scientific name is obsolete. The common name is correct.
Pollens - Trees, Fir, Balsam Abies balsamea	Pollens - Trees: Fir, Balsam, Abies balsamea	The scientific name is misspelled. The common name is correct.
Pollens - Trees, Fir, Douglas Pseudotsuga taxifolia	Pollens - Trees: Fir, Douglas, Pseudotsuga menziesii var. menziesii	The scientific name is obsolete. The common name is correct.
Pollens - Trees, Fir, Red (Noble) Abies nobilis (procera)	Pollens - Trees: Fir, Red (Noble), Abies procera	The scientific name is obsolete. The common name is correct.
Pollens - Trees, Hackberry Celtis spp.	Pollens - Trees: Hackberry, Celtis (species to be specified)	The scientific name is ambiguous. The common name is correct.
Pollens - Trees, Hawthorne Crataegus monogyna	Pollens - Trees: Hawthorn, Crataegus monogyna	The scientific name is correct. The common name is misspelled.
Pollens - Trees, Hazelnut, California Corylus californica	Pollens - Trees: Hazelnut, California, Corylus cornuta ssp. californica	The scientific name is obsolete. The common name is correct.
Pollens - Trees, Hemlock Tsuga spp.	Pollens - Trees: Hemlock, Tsuga (species to be specified)	The scientific name is ambiguous. The common name is correct.
Pollens - Trees, Hemlock, Carolina Tsuga caroliniana	Pollens - Trees: Hemlock, Carolina, Tsuga caroliniana	The scientific name is correct. The common name is misspelled.
Pollens - Trees, Hickory, White Carya alba	Pollens - Trees: Hickory, White, Carya tomentosa	The scientific name is obsolete. The common name is correct.
Pollens - Trees, Hornbeam, American Carpinus carolineana	Pollens - Trees: Hornbeam, American, Carpinus caroliniana	The scientific name is misspelled. The common name is correct.
Pollens - Trees, Juniper, Pfitzer Juniperus pfitzerama	Pollens - Trees: Juniper, Pfitzer, Juniperus (species to be specified)	The scientific name is obsolete. The common name is correct.
Pollens - Trees, Juniper, Pinchot Juniperus pinchotti	Pollens - Trees: Juniper, Pinchot, Juniperus pinchotii	The scientific name is misspelled. The common name is correct.
Pollens - Trees, Kiawe (Mesquite) Prosopis pallida	Pollens - Trees: Kiawe (Mesquite), Prosopis pallida	The scientific name is misspelled. The common name is correct.
Pollens - Trees, Linden, European Tilia europaea	Pollens - Trees: Linden, European, Tilia X europaea	The scientific name is obsolete. The common name is correct.
Pollens - Trees, Magnolia Magnolia sp.	Pollens - Trees: Magnolia, Magnolia (species to be specified)	The scientific name is ambiguous. The common name is correct.
Pollens - Trees, Mango Blossom Mangifera sp.	Pollens - Trees: Mango Blossom, Mangifera (species to be specified)	The scientific name is ambiguous. The common name is correct.
Pollens - Trees, Maple Acer spp.	Pollens - Trees: Maple, Acer (species to be specified)	The scientific name is ambiguous. The common name is correct.
Pollens - Trees, Maple, Coast	Pollens - Trees: Maple, Coast, (genus and species to be specified)	The scientific name is absent. The common name is correct.
Pollens - Trees, Melaleuca (Punk Tree) Mesquite Prosopis glandulosa	Pollens - Trees: Mesquite, Prosopis glandulosa	The scientific name is correct. The common name is not correct.
Pollens - Trees, Mesquite Prosopis juliflora (glandulosa)	Pollens - Trees: Mesquite, Prosopis (species to be specified)	The scientific name is ambiguous. The common name is correct.
Pollens - Trees, Mulberry, Paper Morus papyrifera	Pollens - Trees: Mulberry, Paper, Broussonetia papyrifera	The scientific name is obsolete. The common name is correct.
Pollens - Trees, Mulberry, Russian Morus tatarica	Pollens - Trees: Mulberry, Russian, Morus alba	The scientific name is obsolete. The common name is correct.
Pollens - Trees, Oak, Arizona Scrub Quercus chrysolepis	Pollens - Trees: Oak, Arizona Scrub, Quercus chrysolepis	The scientific name is misspelled. The common name is correct.
Pollens - Trees, Oak, California Black Quercus kelloggii-californica	Pollens - Trees: Oak, California Black, Quercus kelloggii	The scientific name is obsolete. The common name is correct.
Pollens - Trees, Oak, Chestnut Quercus prinus	Pollens - Trees: Oak, Chestnut, Quercus michauxii	The scientific name is obsolete. The common name is correct.

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Pollens - Trees, Oak, Englemann Quercus engelmannii	Pollens - Trees: Oak, Englemann, Quercus engelmannii	The scientific name is misspelled. The common name is correct.
Pollens - Trees, Oak, Interior Live Quercus wislizenii	Pollens - Trees: Oak, Interior Live, Quercus wislizenii	The scientific name is misspelled. The common name is correct.
Pollens - Trees, Oak, Mix Quercus spp.	Pollens - Trees: Oak, Mix, Quercus (species to be specified)	The scientific name is ambiguous. The common name is correct.
Pollens - Trees, Oak, Palmer Quercus palmerii	Pollens - Trees: Oak, Palmer, Quercus palmeri	The scientific name is misspelled. The common name is correct.
Pollens - Trees, Orange Citrus sinensis	Pollens - Trees: Orange, Citrus X sinensis	The scientific name is obsolete. The common name is correct.
Pollens - Trees, Osage Orange Mactura pomifera	Pollens - Trees: Osage Orange, Maclura pomifera	The scientific name is misspelled. The common name is correct.
Pollens - Trees, Palm, Dwarf Chamaerops humilis	Pollens - Trees: Palm, Dwarf, Chamaerops humilis	The scientific name is misspelled. The common name is correct.
Pollens - Trees, Palm, Queen Arecastrum romanzoffianum	Pollens - Trees: Palm, Queen, Syagrus romanzoffiana	The scientific name is obsolete. The common name is correct.
Pollens - Trees, Palm, Queen Cocos plumosa	Pollens - Trees: Palm, Queen, Syagrus romanzoffiana	The scientific name is obsolete. The common name is correct.
Pollens - Trees, Palm, Trithrinax acanthocoma	Pollens - Trees: name to be specified, genus and species to be specified	The scientific and common names are ambiguous.
Pollens - Trees, Palo Verde Cercidium torreyana	Pollens - Trees: Palo Verde, Parkinsonia (species to be specified)	The scientific name is obsolete and ambiguous. The common name is correct.
Pollens - Trees, Pine, Australian Casuarina spp.	Pollens - Trees: Pine, Australian, Casuarina (species to be specified)	The scientific name is ambiguous. The common name is correct.
Pollens - Trees, Pine, Black	Pollens - Trees: Pine, Black, (genus and species to be specified)	The scientific name is absent. The common name is correct.
Pollens - Trees, Pine, Italian Stone	Pollens - Trees: Italian Stone, Pinus pinea	The scientific name is absent. The common name is correct.
Pollens - Trees, Pine, Japanese Black Pinus thunbergii	Pollens - Trees: Pine, Japanese Black, Pinus thunbergii	The scientific name is misspelled. The common name is correct.
Pollens - Trees, Pine, Mexican Pinion Pinus cembroides	Pollens - Trees: Pine, Mexican Pinion, Pinus cembroides	The scientific name is misspelled. The common name is correct.
Pollens - Trees, Pine, Mix Pinus spp.	Pollens - Trees: (common name to be specified), Pinus (species to be specified)	The scientific and common names are ambiguous.
Pollens - Trees, Pine, Norfolk Island Anacaria excelsa	Pollens - Trees: (common name to be specified), Araucaria (species to be specified)	The scientific name is misspelled and obsolete. The common name and scientific names do not match.
Pollens - Trees, Poplar, Gray (Carolina) Populus canescens	Pollens - Trees: Poplar, Gray, Populus X canescens	The scientific name is obsolete. The common name is correct.
Pollens - Trees, Poplar, Lombardy Populus nigra italica	Pollens - Trees: Poplar, Lombardy, Populus nigra	The scientific name is obsolete. The common name is correct.
Pollens - Trees, Privet Ligustrum spp.	Pollens - Trees: Privet, Ligustrum (species to be specified)	The scientific name is ambiguous. The common name is correct.
Pollens - Trees, Privet, Southern Ligustrum lcidum - texana	Pollens - Trees: Privet, Southern, Ligustrum lucidum	The scientific name is obsolete. The common name is correct.
Pollens - Trees, Silk Tassel Bush Garrya elliptica	Pollens - Trees: Silk Tassel Bush, Garrya elliptica	The scientific name is correct. The common name is misspelled.
Pollens - Trees, Spruce, Engelman Picea engelmannii	Pollens - Trees: Spruce, Engelmänn, Picea engelmannii	The scientific and common names are misspelled.
Pollens - Trees, Spruce, Red Picea rubra	Pollens - Trees: Spruce, Red, Picea rubens	The scientific name is misspelled. The common name is correct.
Pollens - Trees, Sycamore, American (Eastern) Platanus occidentalis	Pollens - Trees: Sycamore, American (Eastern), Platanus occidentalis	The scientific name is misspelled. The common name is correct.
Pollens - Trees, Tamarack Larix larcinia	Pollens - Trees: Tamarack, Larix larcinia	The scientific name is misspelled. The common name is correct.
Pollens - Trees, Walnut, Arizona Juglans microcarp	Pollens - Trees: Walnut, Little, Juglans microcarpa	The scientific name is misspelled. The common name is ambiguous.
Pollens - Trees, Walnut, Arizona Juglans rupestris	Pollens - Trees: Walnut, Little, Juglans microcarpa	The scientific name is obsolete. The common name is ambiguous.
Pollens - Trees, Walnut, Hind's California Black Juglans hindsi	Pollens - Trees: Walnut, Hinds' California Black, Juglans hindsi	The scientific name is correct. The common name is misspelled.
Pollens - Trees, Walnut, Japanese Juglans sieboldiana	Pollens - Trees: Walnut, Japanese, Juglans ailantifolia	The scientific name is obsolete. The common name is correct.
Pollens - Trees, Willow Salix spp.	Pollens - Trees: Willow, Salix (species to be specified)	The scientific name is ambiguous. The common name is correct.
Pollens - Trees, Willow Sandbar N.W.	Pollens - Trees: Willow, Sandbar Northwest, Salix sessilifolia	The scientific name is absent. The common name is correct.
Pollens - Trees, Willow Sandbar Salix fluviatilis	Pollens - Trees: Willow, Sandbar, Salix columbiana	The scientific name is obsolete. The common name is correct.
Pollens - Trees, Willow, Arroyo Salix lasiolepis	Pollens - Trees: Willow, Arroyo, Salix lasiolepis	The scientific name is misspelled. The common name is correct.
Pollens - Trees, Willow, Yellow Salix lasandra	Pollens - Trees: Willow, Yellow, Salix lasiandra	The scientific name is misspelled. The common name is correct.
Pollens - Weeds and Garden Plants, Beach Bur Ambrosia chamissonia	Pollens - Weeds and Garden Plants: Beach Bur, Ambrosia chamissonis	The scientific name is misspelled. The common name is correct.

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Pollens - Weeds and Garden Plants, Beach Bur <i>Franseria bipinnatifida</i>	Pollens - Weeds and Garden Plants: Beach Bur, <i>Ambrosia chamissonis</i>	The scientific name is obsolete. The common name is correct.
Pollens - Weeds and Garden Plants, Bear Grass <i>Xerophyllum tenax</i>	Pollens - Weeds and Garden Plants: Bear Grass, <i>Xerophyllum tenax</i>	The scientific name is correct. The common name is misspelled.
Pollens - Weeds and Garden Plants, Brittlebush <i>Encelia ferinosa</i>	Pollens - Weeds and Garden Plants: Brittlebush, <i>Encelia farinosa</i>	The scientific name is misspelled. The common name is correct.
Pollens - Weeds and Garden Plants, Broomwood <i>Gutierrezia dracunculoides</i>	Pollens - Weeds and Garden Plants: Broomwood, <i>Amphiachyris dracunculoides</i>	The scientific name is obsolete. The common name is correct.
Pollens - Weeds and Garden Plants, Bulrush <i>Scirpus</i> spp.	Pollens - Weeds and Garden Plants: Bulrush, <i>Scirpus</i> (species to be specified)	The scientific name is ambiguous. The common name is misspelled.
Pollens - Weeds and Garden Plants, Burro Brush <i>Hymenoclea salsola</i> (Greasebush)	Pollens - Weeds and Garden Plants: Burro Brush (Greasebush), <i>Ambrosia salsola</i>	The scientific name is obsolete. The common name is correct.
Pollens - Weeds and Garden Plants, Burro Brush, Northern <i>Hymenoclea monogyra</i>	Pollens - Weeds and Garden Plants: Burro Brush, Northern, <i>Ambrosia monogyra</i>	The scientific name is obsolete. The common name is correct.
Pollens - Weeds and Garden Plants, Cactus <i>Opuntia</i> <i>occidentalis</i>	Pollens - Weeds and Garden Plants: Cactus, <i>Opuntia</i> X <i>occidentalis</i>	The scientific name is obsolete. The common name is correct.
Pollens - Weeds and Garden Plants, Chamise <i>Adenostoma</i> spp.	Pollens - Weeds and Garden Plants: Chamise, <i>Adenostoma</i> (species to be specified)	The scientific names is ambiguous. The common name is correct.
Pollens - Weeds and Garden Plants, Chamomille <i>Matricaria inodora</i>	Pollens - Weeds and Garden Plants: Chamomille, <i>Tripleurospermum inodorum</i>	The scientific name is obsolete. The common name is correct.
Pollens - Weeds and Garden Plants, Clover, Sweet <i>Melilotus alba</i>	Pollens - Weeds and Garden Plants: Clover, Sweet, <i>Melilotus albus</i>	The scientific name is misspelled. The common name is correct.
Pollens - Weeds and Garden Plants, Cocklebur <i>Xanthium commune</i>	Pollens - Weeds and Garden Plants: Cocklebur, <i>Xanthium strumarium</i>	The scientific name is obsolete. The common name is correct.
Pollens - Weeds and Garden Plants, Coreopsis <i>Coreopsis</i> spp.	Pollens - Weeds and Garden Plants: Coreopsis, <i>Coreopsis</i> (species to be specified)	The scientific name is ambiguous. The common name is correct.
Pollens - Weeds and Garden Plants, Creosote Bush <i>Larrea divaricata</i>	Pollens - Weeds and Garden Plants: Creosote Bush, <i>Larrea tridentata</i>	The scientific name is obsolete. The common name is correct.
Pollens - Weeds and Garden Plants, Dessert Tea <i>Ephedra californica</i>	Pollens - Weeds and Garden Plants: Desert Tea, <i>Ephedra californica</i>	The scientific name is correct. The common name is misspelled.
Pollens - Weeds and Garden Plants, Dock <i>Rumex</i> spp.	Pollens - Weeds and Garden Plants: Dock, <i>Rumex</i> (species to be specified)	The scientific name is ambiguous. The common name is correct.
Pollens - Weeds and Garden Plants, Dock, Green <i>Rumex conglomeratus</i>	Pollens - Weeds and Garden Plants: Dock, Green, <i>Rumex conglomeratus</i>	The scientific name is misspelled. The common name is correct.
Pollens - Weeds and Garden Plants, Feverfew- cultivated <i>Chrysanthemum parthenium</i>	Pollens - Weeds and Garden Plants: Feverfew (cultivated), <i>Tanacetum parthenium</i>	The scientific name is obsolete. The common name is correct.
Pollens - Weeds and Garden Plants, Fireweed, Alaska <i>Epilobium angustifolium</i>	Pollens - Weeds and Garden Plants: Fireweed, Alaska, <i>Chamerion angustifolium</i> ssp. <i>Angustifolium</i>	The scientific name is obsolete. The common name is correct.
Pollens - Weeds and Garden Plants, Goldenrod (European) <i>Solidago vireurea</i>	Pollens - Weeds and Garden Plants: Goldenrod (European) , <i>Solidago multiradiata</i>	The scientific name is obsolete. The common name is correct.
Pollens - Weeds and Garden Plants, Hemp, Western Water <i>Acnida tamariscina</i>	Pollens - Weeds and Garden Plants: Hemp, Western Water, <i>Amaranthus tuberculatus</i>	The scientific name is obsolete. The common name is correct.
Pollens - Weeds and Garden Plants, Henna	Pollens - Weeds and Garden Plants: Henna, <i>Lawsonia inermis</i>	The scientific name is absent. The common name is correct.
Pollens - Weeds and Garden Plants, Hops, Japanese <i>Humulus japonica</i>	Pollens - Weeds and Garden Plants: Hops, Japanese, <i>Humulus japonicus</i>	The scientific name is misspelled. The common name is correct.
Pollens - Weeds and Garden Plants, Knapweed <i>Centaurea maculosa</i>	Pollens - Weeds and Garden Plants: Knapweed, <i>Centaurea stoebe</i> ssp. <i>Micranthus</i>	The scientific name is obsolete. The common name is correct.
Pollens - Weeds and Garden Plants, Lantana <i>Viburnum sieboldi</i>	Pollens - Weeds and Garden Plants: Lantana, <i>Viburnum sieboldii</i>	The scientific name is misspelled. The common name is correct.
Pollens - Weeds and Garden Plants, Marshelder, Burweed (Giant Poverty) <i>Iva xanthifolia</i>	Pollens - Weeds and Garden Plants: Marshelder, Burweed (Giant Poverty), <i>Cyclachaena</i> <i>xanthifolia</i>	The scientific name is obsolete. The common name is correct.
Pollens - Weeds and Garden Plants, Marshelder, Sm. Poverty	Pollens - Weeds and Garden Plants: Marshelder, Small Poverty, (genus and species to be specified)	The scientific name is absent. The common name is correct.

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Pollens - Weeds and Garden Plants, Marshelder, True (Rough) Iva ciliata	Pollens - Weeds and Garden Plants: Marshelder, True (Rough), Iva annua	The scientific name is obsolete. The common name is correct.
Pollens - Weeds and Garden Plants, Mimosa Albizzia julibrissin	Pollens - Weeds and Garden Plants: Mimosa, Albizia julibrissin	The scientific name is misspelled. The common name is correct.
Pollens - Weeds and Garden Plants, Mugwort, California Artemesia heterophylla	Pollens - Weeds and Garden Plants: Mugwort, California, Artemisia douglasiana	The scientific name is obsolete. The common name is correct.
Pollens - Weeds and Garden Plants, Mule Fat Baccharis viminae	Pollens - Weeds and Garden Plants: Mule Fat, Baccharis salicifolia	The scientific name is obsolete. The common name is correct.
Pollens - Weeds and Garden Plants, Mustard, Charlock (Wild) Brassica (kaber) arvensis	Pollens - Weeds and Garden Plants: Mustard, Charlock (Wild), Sinapis arvensis	The scientific name is obsolete. The common name is correct.
Pollens - Weeds and Garden Plants, Mustard, Common Yellow Brassica campestris	Pollens - Weeds and Garden Plants: Mustard, Common Yellow , Brassica rapa	The scientific name is obsolete. The common name is correct.
Pollens - Weeds and Garden Plants, Nettle Urtica dioica	Pollens - Weeds and Garden Plants: Nettle, Urtica dioica	The scientific name is misspelled. The common name is correct.
Pollens - Weeds and Garden Plants, Pickleweed Salicornia virginica	Pollens - Weeds and Garden Plants: Pickleweed, Salicornia depressa	The scientific name is obsolete. The common name is correct.
Pollens - Weeds and Garden Plants, Prionopsis (Goldenweed) Prionopsis ciliata	Pollens - Weeds and Garden Plants: Prionopsis (Goldenweed), Grindelia ciliata	The scientific name is obsolete. The common name is correct.
Pollens - Weeds and Garden Plants, Rabbit Bush Chryothamnus nauseosus	Pollens - Weeds and Garden Plants: Rabbit Brush, Ericameria nauseosa var. nauseosa	The scientific name is obsolete. The common name is misspelled.
Pollens - Weeds and Garden Plants, Rabbit Bush Franseria deltoidea	Pollens - Weeds and Garden Plants: Rabbit Bush, Ambrosia deltoidea	The scientific name is obsolete. The common name is correct.
Pollens - Weeds and Garden Plants, Ragweed	Pollens - Weeds and Garden Plants: Ragweed, (genus and species to be specified)	The scientific name is ambiguous. The common name is correct.
Pollens - Weeds and Garden Plants, Ragweed, Canyon Franseria ambrosiodes	Pollens - Weeds and Garden Plants: Ragweed, Canyon, Ambrosia ambrosioides	The scientific name is obsolete. The common name is correct.
Pollens - Weeds and Garden Plants, Ragweed, False Franseria acanthicarpa	Pollens - Weeds and Garden Plants: Ragweed, False, Ambrosia acanthicarpa	The scientific name is obsolete. The common name is correct.
Pollens - Weeds and Garden Plants, Ragweed, False Franseria ambrosioides	Pollens - Weeds and Garden Plants: Ragweed, False, Ambrosia ambrosioides	The scientific name is obsolete. The common name is correct.
Pollens - Weeds and Garden Plants, Ragweed, False Mixed Franseria spp.	Pollens - Weeds and Garden Plants: Ragweed, False, Ambrosia (species to be specified)	The scientific and common names are ambiguous.
Pollens - Weeds and Garden Plants, Ragweed, Mixed Ambrosia spp.	Pollens - Weeds and Garden Plants: Ragweed, Ambrosia (species to be specified)	The scientific and common names are ambiguous.
Pollens - Weeds and Garden Plants, Sage, Mixed Artemisia ludoviciana	Pollens - Weeds and Garden Plants: Sage, Artemisia ludoviciana	The scientific name is correct. The common name is ambiguous.
Pollens - Weeds and Garden Plants, Sage, Mixed Artemisia spp.	Pollens - Weeds and Garden Plants: Sage, Artemisia (species to be specified)	The scientific and common names are ambiguous.
Pollens - Weeds and Garden Plants, Sage, Mixed Artemisia tridentata	Pollens - Weeds and Garden Plants: Sage, Artemisia tridentata	The scientific name is correct. The common name is ambiguous.
Pollens - Weeds and Garden Plants, Saltbush-Scale	Pollens - Weeds and Garden Plants: Saltbush-Scale, (genus and species must be identified)	The scientific name is absent. The common name is correct.
Pollens - Weeds and Garden Plants, Scabious Scabiosa atropurpurea	Pollens - Weeds and Garden Plants: Scabious, Scabiosa atropurpurea	The scientific name is misspelled. The common name is correct.
Pollens - Weeds and Garden Plants, Scale, Brewers Atriplex lentiformis breweri	Pollens - Weeds and Garden Plants: Scale, Brewers, Atriplex lentiformis	The scientific name is obsolete. The common name is correct.
Pollens - Weeds and Garden Plants, Sea Blite, Alkali Suaeda fruticosa	Pollens - Weeds and Garden Plants: Sea Blite, Alkali, Suaeda nigra	The scientific name is obsolete. The common name is correct.
Pollens - Weeds and Garden Plants, Sea Blite, Desert Suaeda suffrutescens	Pollens - Weeds and Garden Plants: Sea Blite, Desert, Suaeda nigra	The scientific name is obsolete. The common name is correct.
Pollens - Weeds and Garden Plants, Spiraea Spiraea spp.	Pollens - Weeds and Garden Plants: Spiraea, Spiraea (species to be specified)	The scientific name is ambiguous. The common name is correct.
Pollens - Weeds and Garden Plants, Vetch Vicia sativa	Pollens - Weeds and Garden Plants: Vetch, Vicia sativa	The scientific name is misspelled. The common name is correct.
Pollens - Weeds and Garden Plants, Viburnum Viburnum carlcephalum	Pollens - Weeds and Garden Plants: Viburnum, Viburnum (species to be specified)	The scientific name is ambiguous. The common name is correct.

Hollister Stier. Table 1: Licensed non-standardized allergenic extracts with incorrect identifiers and recommended correct identifiers

Pollens - Weeds and Garden Plants, Wallflower Cheiranthus cheiri	Pollens - Weeds and Garden Plants: Wallflower, Erysimum cheiri	The scientific name is obsolete. The common name is correct.
Pollens - Weeds and Garden Plants, Waterhemp Acnida turberculata	Pollens - Weeds and Garden Plants: Waterhemp, Amaranthus tuberculatus	The scientific name is obsolete. The common name is correct.
Pollens - Weeds and Garden Plants, Waterhemp, Western Acnida tamariscina	Pollens - Weeds and Garden Plants: Waterhemp, Western, Amaranthus tuberculatus	The scientific name is obsolete. The common name is correct.
Pollens - Weeds and Garden Plants, Winter Fat Eurotia lanata	Pollens - Weeds and Garden Plants: Winter Fat, Krascheninnikovia lanata	The scientific name is obsolete. The common name is correct.
Pollens - Weeds and Garden Plants, Wormseed Chenopodium botrys	Pollens - Weeds and Garden Plants: Wormseed, Dysphania botrys	The scientific name is obsolete. The common name is correct.
Pollens - Weeds and Garden Plants, Wormwood, Asinthe Artemesia absinthium	Pollens - Weeds and Garden Plants: Wormwood, Absinth, Artemisia absinthium	The scientific and common names are misspelled.
Pollens - Weeds and Garden Plants, Wormwood, Biennial Artemesia biennis	Pollens - Weeds and Garden Plants: Wormwood, Biennial, Artemisia biennis	The scientific name is misspelled. The common name is correct.
Pollens - Weeds and Garden Plants, Wormwood, Tall Artemesia candata	Pollens - Weeds and Garden Plants: Woodworm, Tall, Artemisia campestris ssp. caudata	The scientific name is obsolete. The common name is correct.

Hollister Stier. Table 2: Licensed non-standardized allergenic extracts with correct identifiers

Animal Allergens: Guinea Pig Hair, *Cavia porcellus*

Animal Allergens: Horse Dander, *Equus caballus*

Animal Allergens: Horse Hair, *Equus caballus*

Animal Allergens: Mouse Hair, *Mus musculus*

Food - Animal Products and Poultry Products: Pork, *Sus scrofa*

Food - Fish and Shellfish: Halibut, *Hippoglossus hippoglossus*

Food - Fish and Shellfish: Lobster, *Homarus americanus*

Food - Fish and Shellfish: Salmon, *Salmo salar*

Food - Plant Source: Apple, *Malus pumila*

Food - Plant Source: Bean, Pinto, *Phaseolus vulgaris*

Food - Plant Source: Bean, String Green, *Phaseolus vulgaris*

Food - Plant Source: Bean, Yellow Wax, *Phaseolus vulgaris*

Food - Plant Source: Brazil Nut, *Bertholletia excelsa*

Food - Plant Source: Carrot, *Daucus carota*

Food - Plant Source: Cashew nut, *Anacardium occidentale*

Food - Plant Source: Celery, *Apium graveolens* (or *Apium graveolens* var. *dulce*)

Food - Plant Source: Corn, *Zea mays*

Food - Plant Source: Lettuce, *Lactuca sativa*

Food - Plant Source: Oat, *Avena sativa*

Food - Plant Source: Pea, Green or English, *Pisum sativum*

Food - Plant Source: Peach, *Prunus persica*

Food - Plant Source: Peanut, *Arachis hypogaea*

Food - Plant Source: Potato, White, *Solanum tuberosum*

Food - Plant Source: Rice, *Oryza sativa*

Food - Plant Source: Walnut, Black, *Juglans nigra*

Food - Plant Source: Yeast, Baker's, *Saccharomyces cerevisiae*

Food - Plant Source: Yeast, Brewer's, *Saccharomyces cerevisiae*

Insects (Whole Body): Ant, Fire, *Solenopsis geminata*

Hollister Stier. Table 2: Licensed non-standardized allergenic extracts with correct identifiers

Insects (Whole Body): Ant, Fire, *Solenopsis invicta*

Insects (Whole Body): Ant, Fire, *Solenopsis richteri*

Insects (Whole Body): Cockroach, American, *Periplaneta americana*

Molds, Rusts and Smuts: *Aspergillus fumigatus*

Molds, Rusts and Smuts: *Aspergillus nidulans*

Molds, Rusts and Smuts: *Aspergillus niger*

Molds, Rusts and Smuts: *Aspergillus terreus*

Molds, Rusts and Smuts: *Botrytis cinerea*

Molds, Rusts and Smuts: *Candida albicans*

Molds, Rusts and Smuts: *Curvularia spicifera*

Molds, Rusts and Smuts: *Epidermophyton floccosum*

Molds, Rusts and Smuts: *Mucor racemosus*

Molds, Rusts and Smuts: Oat Smut, *Ustilago avenae*

Molds, Rusts and Smuts: *Penicillium digitatum*

Molds, Rusts and Smuts: *Penicillium expansum*

Molds, Rusts and Smuts: *Penicillium notatum*

Molds, Rusts and Smuts: *Phoma herbarum*

Molds, Rusts and Smuts: *Saccharomyces cerevisiae*

Molds, Rusts and Smuts: *Trichophyton mentagrophytes*

Molds, Rusts and Smuts: *Trichophyton rubrum*

Molds, Rusts and Smuts: *Trichophyton tonsurans*

Plants and Plant Parts: Kapok, *Ceiba pentandra*

Pollens - Cultivated Farm Plants: Corn, *Zea mays*

Pollens - Cultivated Farm Plants: Hops, *Humulus lupulus*

Pollens - Cultivated Farm Plants: Wheat, Cultivated, *Triticum aestivum*

Pollens - Grasses: Bahia Grass, *Paspalum notatum*

Hollister Stier. Table 2: Licensed non-standardized allergenic extracts with correct identifiers

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

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

Pollens - Grasses: Beach Grass, *Ammophila arenaria*

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

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

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

Pollens - Grasses: Brome, California, *Bromus carinatus*

Pollens - Grasses: Brome, Cheat, *Bromus secalinus*

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

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

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

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

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

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

Pollens - Grasses: Canarygrass, *Phalaris canariensis*

Pollens - Grasses: Canarygrass, *Phalaris paradoxa*

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

Pollens - Grasses: Canarygrass, Small, *Phalaris minor*

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

Pollens - Grasses: Dogtail, *Cynosurus cristatus*

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

Pollens - Grasses: Fescue, Sheep, *Festuca ovina*

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

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

Hollister Stier. Table 2: Licensed non-standardized allergenic extracts with correct identifiers

Pollens - Grasses: Johnson Grass, *Sorghum halepense*

Pollens - Grasses: Love Grass, Hawaiian *Eragrostis variabilis*

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

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

Pollens - Grasses: Mutton Grass, *Poa fendleriana*

Pollens - Grasses: Oats, Common Wild, *Avena fatua*

Pollens - Grasses: Oats, Common, Cultivated, *Avena sativa*

Pollens - Grasses: Oats, Slender Wild, *Avena barbata*

Pollens - Grasses: Pampas Grass, *Cortaderia selloana*

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

Pollens - Grasses: Ryegrass, Italian, *Lolium multiflorum*

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

Pollens - Grasses: Saltgrass, *Distichlis spicata*

Pollens - Grasses: Velvetgrass, *Holcus lanatus*

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

Pollens - Grasses: Wheatgrass Crested, *Agropyron cristatum*

Pollens - Grasses: Windmill Grass, *Chloris verticillata*

Pollens - Trees: Acacia, *Acacia longifolia*

Pollens - Trees: Acacia, Bailey's, *Acacia baileyana*

Pollens - Trees: Alder, Black, *Alnus glutinosa*

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

Pollens - Trees: Alder, Red, *Alnus rubra*

Pollens - Trees: Alder, White, *Alnus rhombifolia*

Pollens - Trees: Apricot, *Prunus armeniaca*

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

Pollens - Trees: Ash, Black, *Fraxinus nigra*

Hollister Stier. Table 2: Licensed non-standardized allergenic extracts with correct identifiers

Pollens - Trees: Ash, Green, *Fraxinus pennsylvanica*

Pollens - Trees: Ash, White, *Fraxinus americana*

Pollens - Trees: Aspen, *Populus tremuloides*

Pollens - Trees: Beech, American, *Fagus grandifolia*

Pollens - Trees: Beech, European, *Fagus sylvatica*

Pollens - Trees: Birch, Black-Sweet, *Betula lenta*

Pollens - Trees: Birch, Cherry, *Betula lenta*

Pollens - Trees: Birch, Paper, *Betula papyrifera*

Pollens - Trees: Birch, River, *Betula nigra*

Pollens - Trees: Birch, Spring, *Betula occidentalis*

Pollens - Trees: Birch, Spring, *Betula occidentalis*

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

Pollens - Trees: Birch, Yellow, *Betula alleghaniensis*

Pollens - Trees: Box Elder, *Acer negundo*

Pollens - Trees: Butternut, *Juglans cinerea*

Pollens - Trees: Carob Tree, *Ceratonia siliqua*

Pollens - Trees: Cedar, *Juniperus monosperma*

Pollens - Trees: Cedar, Giant, *Thuja plicata*

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

Pollens - Trees: Cedar, Mountain, *Juniperus ashei*

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

Pollens - Trees: Cedar, Red, *Juniperus virginiana*

Pollens - Trees: Cedar, Rocky Mountain, *Juniperus scopulorum*

Pollens - Trees: Cedar, Salt, *Tamarix gallica*

Pollens - Trees: Cedar, White, *Thuja occidentalis*

Pollens - Trees: Cherry, Black, *Prunus serotina*

Pollens - Trees: Cherry, *Prunus cerasus*

Pollens - Trees: Cherry, Sweet, *Prunus avium*

Pollens - Trees: Chestnut, American, *Castanea dentata*

Pollens - Trees: Chestnut, Horse, *Aesculus hippocastanum*

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

Hollister Stier. Table 2: Licensed non-standardized allergenic extracts with correct identifiers

Pollens - Trees: Cottonwood, Black, *Populus trichocarpa*

Pollens - Trees: Cottonwood, Common, *Populus deltoides*

Pollens - Trees: Cypress, Bald, *Taxodium distichum*

Pollens - Trees: Cypress, Italian, *Cupressus sempervirens*

Pollens - Trees: Dogwood, *Cornus nuttallii*

Pollens - Trees: Dogwood, Flowering, *Cornus florida*

Pollens - Trees: Elderberry, Black, *Sambucus nigra*

Pollens - Trees: Elm, American, *Ulmus americana*

Pollens - Trees: Elm, Cedar, *Ulmus crassifolia*

Pollens - Trees: Elm, Chinese, *Ulmus parvifolia*

Pollens - Trees: Elm, Chinese, *Ulmus pumila*

Pollens - Trees: Elm, Fallblooming, *Ulmus parvifolia*

Pollens - Trees: Eucalyptus, Blue Gum, *Eucalyptus globulus*

Pollens - Trees: Fir, Douglas, *Pseudotsuga menziesii*

Pollens - Trees: Fir, White, *Abies concolor*

Pollens - Trees: Fir, White, *Abies grandis*

Pollens - Trees: Gum, Sweet, *Liquidambar styraciflua*

Pollens - Trees: Hackberry, *Celtis occidentalis*

Pollens - Trees: Hazelnut, American, *Corylus americana*

Pollens - Trees: Hazelnut, European, *Corylus avellana*

Pollens - Trees: Hemlock, Eastern, *Tsuga canadensis*

Pollens - Trees: Hemlock, Western, *Tsuga heterophylla*

Pollens - Trees: Hickory, Pignut, *Carya glabra*

Pollens - Trees: Hickory, Shagbark, *Carya ovata*

Pollens - Trees: Hickory, Shellbark, *Carya laciniosa*

Pollens - Trees: Hickory, White, *Carya tomentosa*

Pollens - Trees: Hornbeam, European, *Carpinus betulus*

Pollens - Trees: Iodine bush, *Allenrolfea occidentalis*

Hollister Stier. Table 2: Licensed non-standardized allergenic extracts with correct identifiers

Pollens - Trees: Ironwood (Hop-Hornbean), *Ostrya virginiana*

Pollens - Trees: Juniper, California, *Juniperus californica*

Pollens - Trees: Juniper, Chinese, *Juniperus chinensis*

Pollens - Trees: Juniper, Oneseed, *Juniperus monosperma*

Pollens - Trees: Juniper, Utah, *Juniperus osteosperma*

Pollens - Trees: Juniper, Western, *Juniperus occidentalis*

Pollens - Trees: Larch, European, *Larix decidua*

Pollens - Trees: Lilac, *Syringa vulgaris*

Pollens - Trees: Linden (Basswood) *Tilia americana*

Pollens - Trees: Linden, Heartleaf, *Tilia cordata*

Pollens - Trees: Locust, Black, *Robinia pseudoacacia*

Pollens - Trees: Maple, Hard, *Acer saccharum*

Pollens - Trees: Maple, Red, *Acer rubrum*

Pollens - Trees: Maple, Soft, *Acer saccharinum*

Pollens - Trees: Maple, Sycamore, *Acer pseudoplatanus*

Pollens - Trees: Melaleuca (Punk Tree), *Melaleuca quinquenervia*

Pollens - Trees: Mock Orange, *Philadelphus lewisii*

Pollens - Trees: Mock Orange, Sweet, *Philadelphus coronarius*

Pollens - Trees: Mulberry, Paper, *Broussonetia papyrifera*

Pollens - Trees: Mulberry, Red, *Morus rubra*

Pollens - Trees: Mulberry, White, *Morus alba*

Pollens - Trees: Oak, Arizona (Gambel), *Quercus gambelii*

Pollens - Trees: Oak, Arizona White, *Quercus arizonica*

Pollens - Trees: Oak, Black Jack, *Quercus marilandica*

Pollens - Trees: Oak, Black, *Quercus velutina*

Pollens - Trees: Oak, Blue, *Quercus douglasii*

Pollens - Trees: Oak, Bur, *Quercus macrocarpa*

Hollister Stier. Table 2: Licensed non-standardized allergenic extracts with correct identifiers

Pollens - Trees: Oak, California Scrub, *Quercus dumosa*

Pollens - Trees: Oak, Coast Live, *Quercus agrifolia*

Pollens - Trees: Oak, Cork, *Quercus suber*

Pollens - Trees: Oak, Emory, *Quercus emoryi*

Pollens - Trees: Oak, English, *Quercus robur*

Pollens - Trees: Oak, Garry, *Quercus garryana*

Pollens - Trees: Oak, Holly, *Quercus ilex*

Pollens - Trees: Oak, Post, *Quercus stellata*

Pollens - Trees: Oak, Red, *Quercus rubra*

Pollens - Trees: Oak, Spanish Water, *Quercus falcata*

Pollens - Trees: Oak, Swamp (Pin), *Quercus palustris*

Pollens - Trees: Oak, Valley, *Quercus lobata*

Pollens - Trees: Oak, Virginia Live, *Quercus virginiana*

Pollens - Trees: Oak, Water, *Quercus nigra*

Pollens - Trees: Oak, White, *Quercus alba*

Pollens - Trees: Olive, *Olea europaea*

Pollens - Trees: Olive, Russian, *Elaeagnus angustifolia*

Pollens - Trees: Palm, Canary Island Date, *Phoenix canariensis*

Pollens - Trees: Palm, Date, *Phoenix dactylifera*

Pollens - Trees: Peach, *Prunus persica*

Pollens - Trees: Pear, *Pyrus communis*

Pollens - Trees: Pecan, *Carya illinoensis*

Pollens - Trees: Pepper Tree, Brazilian, *Schinus terebinthifolius*

Pollens - Trees: Pepper Tree, California, *Schinus molle*

Pollens - Trees: Pine, Australian (Beefwood), *Casuarina equisetifolia*

Pollens - Trees: Pine, Australian-She-Oak, Swamp, *Casuarina glauca*

Pollens - Trees: Pine, Austrian, *Pinus nigra*

Pollens - Trees: Pine, Canary Island, *Pinus canariensis*

Pollens - Trees: Pine, Digger, *Pinus sabiniana*

Pollens - Trees: Pine, Loblolly, *Pinus taeda*

Pollens - Trees: Pine, Lodgepole, *Pinus contorta*

Pollens - Trees: Pine, Longleaf, *Pinus palustris*

Pollens - Trees: Pine, Monterey, *Pinus radiata*

Hollister Stier. Table 2: Licensed non-standardized allergenic extracts with correct identifiers

Pollens - Trees: Pine, Pinyon, *Pinus edulis*

Pollens - Trees: Pine, Red, *Pinus resinosa*

Pollens - Trees: Pine, Scotch, *Pinus sylvestris*

Pollens - Trees: Pine, Shortleaf, *Pinus echinata*

Pollens - Trees: Pine, Single Leaf, *Pinus monophylla*

Pollens - Trees: Pine, Slash, *Pinus elliotii*

Pollens - Trees: Pine, Virginia Scrub, *Pinus virginiana*

Pollens - Trees: Pine, Western Yellow, *Pinus ponderosa*

Pollens - Trees: Pine, White (Eastern), *Pinus strobus*

Pollens - Trees: Pine, White (Western), *Pinus monticola*

Pollens - Trees: Pine, Yellow, *Pinus echinata*

Pollens - Trees: Plum, *Prunus domestica*

Pollens - Trees: Poplar, Balsam, *Populus balsamifera*

Pollens - Trees: Poplar, White, *Populus alba*

Pollens - Trees: Privet, *Ligustrum vulgare*

Pollens - Trees: Redwood, *Sequoia sempervirens*

Pollens - Trees: Shortleaf, *Salix sessilifolia*

Pollens - Trees: Spruce, Blue, *Picea pungens*

Pollens - Trees: Spruce, Norway, *Picea abies*

Pollens - Trees: Spruce, Red, *Picea rubens*

Pollens - Trees: Spruce, Sitka, *Picea sitchensis*

Pollens - Trees: Sycamore, Cultivated, *Platanus orientalis*

Pollens - Trees: Sycamore, European, *Platanus orientalis*

Pollens - Trees: Sycamore, Mapleleaf, *Platanus acerifolia*

Pollens - Trees: Sycamore, Western, *Platanus racemosa*

Pollens - Trees: Tamarack (Larch), *Larix occidentalis*

Pollens - Trees: Tree of Heaven, *Ailanthus altissima*

Pollens - Trees: Walnut, Arizona, *Juglans major*

Pollens - Trees: Walnut, Black, *Juglans nigra*

Pollens - Trees: Walnut, Butternut, *Juglans cinerea*

Hollister Stier. Table 2: Licensed non-standardized allergenic extracts with correct identifiers

Pollens - Trees: Walnut, English, *Juglans regia*

Pollens - Trees: Walnut, Southern California Black, *Juglans californica*

Pollens - Trees: Willow Weeping, *Salix babylonica*

Pollens - Trees: Willow, Black, *Salix nigra*

Pollens - Trees: Willow, Creeping, *Salix repens*

Pollens - Trees: Willow, Goat, *Salix caprea*

Pollens - Trees: Willow, Pussy, *Salix discolor*

Pollens - Trees: Willow, Red, *Salix laevigata*

Pollens - Trees: Willow, White, *Salix alba*

Pollens - Trees: Willow, Yellow, *Salix lutea*

Pollens - Trees: Yew, Ornamental, *Taxus baccata*

Pollens - Weeds and Garden Plants: Alfalfa, *Medicago sativa*

Pollens - Weeds and Garden Plants: Balsam Root, *Balsamorhiza sagittata*

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

Pollens - Weeds and Garden Plants: Bitter Brush, *Purshia tridentata*

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

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

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

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

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

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

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

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

Pollens - Weeds and Garden Plants: Cocklebur, *Xanthium strumarium*

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

Pollens - Weeds and Garden Plants: Dandelion, *Taraxacum officinale*

Hollister Stier. Table 2: Licensed non-standardized allergenic extracts with correct identifiers

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

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

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

Pollens - Weeds and Garden Plants: Dock, Yellow (Curly Dock), *Rumex crispus*

Pollens - Weeds and Garden Plants: Dog Fennel, *Anthemis arvensis*

Pollens - Weeds and Garden Plants: Dog Fennel (Mayweed), *Anthemis cotula*

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

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

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

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

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

Pollens - Weeds and Garden Plants: Greasewood, *Sarcobatus vermiculatus*

Pollens - Weeds and Garden Plants: Hemp, *Cannabis sativa*

Pollens - Weeds and Garden Plants: Hops, *Humulus lupulus*

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

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

Pollens - Weeds and Garden Plants: Kochia (Mexican Firebush) *Kochia scoparia*

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

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

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

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

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

Hollister Stier. Table 2: Licensed non-standardized allergenic extracts with correct identifiers

Pollens - Weeds and Garden Plants: Pellitory, *Parietaria officinalis*

Pollens - Weeds and Garden Plants: Pigweed, Green, *Amaranthus hybridus*

Pollens - Weeds and Garden Plants: Pigweed, Rough Redroot, *Amaranthus retroflexus*

Pollens - Weeds and Garden Plants: Pigweed, Spiny, *Amaranthus spinosus*

Pollens - Weeds and Garden Plants: Pigweed, Spreading, *Amaranthus blitoides*

Pollens - Weeds and Garden Plants: Pigweed, Tumbling, *Amaranthus graecizans*

Pollens - Weeds and Garden Plants: Plantain, Common (Broadleaf), *Plantago major*

Pollens - Weeds and Garden Plants: Plantain, English, *Plantago lanceolata*

Pollens - Weeds and Garden Plants: Povertyweed, Small, *Iva axillaris*

Pollens - Weeds and Garden Plants: Ragweed, Desert, *Ambrosia dumosa*

Pollens - Weeds and Garden Plants: Ragweed, Giant (Tall), *Ambrosia trifida*

Pollens - Weeds and Garden Plants: Ragweed, Silver, *Dicoria canescens*

Pollens - Weeds and Garden Plants: Ragweed, Slender, *Ambrosia confertiflora*

Pollens - Weeds and Garden Plants: Ragweed, Western, *Ambrosia psilostachya*

Pollens - Weeds and Garden Plants: Rape, *Brassica napus*

Pollens - Weeds and Garden Plants: Rhubarb, Wild, *Rumex conglomeratus*

Pollens - Weeds and Garden Plants: Russian Thistle, *Salsola kali*

Pollens - Weeds and Garden Plants: Sagebrush, *Artemisia annua*

Pollens - Weeds and Garden Plants: Sagebrush, Green (Tarragon), *Artemisia dracunculus*

Pollens - Weeds and Garden Plants: Sagebrush, Mugwort, *Artemisia douglasiana*

Pollens - Weeds and Garden Plants: Sagebrush, Mugwort, *Artemisia vulgaris*

Pollens - Weeds and Garden Plants: Sagebrush, Pasture (Carpet), *Artemisia frigida*

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Pollens - Weeds and Garden Plants: Sagebrush, Sand Dune, *Artemisia filifolia*

Pollens - Weeds and Garden Plants: Sagebrush, Sand Dune, *Artemisia pycnocephala*

Pollens - Weeds and Garden Plants: Sagebrush, Suksdorf, *Artemisia suksdorfii*

Pollens - Weeds and Garden Plants: Sagebrush, Western, *Artemisia ludoviciana* ssp. *ludoviciana*

Pollens - Weeds and Garden Plants: Saltbush, Annual, *Atriplex wrightii*

Pollens - Weeds and Garden Plants: Scale, All, *Atriplex polycarpa*

Pollens - Weeds and Garden Plants: Scale, Bract, *Atriplex serenana*

Pollens - Weeds and Garden Plants: Scale, Line, *Atriplex linearis*

Pollens - Weeds and Garden Plants: Scale, Pacific, *Atriplex pacifica*

Pollens - Weeds and Garden Plants: Scale, Red, *Atriplex rosea*

Pollens - Weeds and Garden Plants: Scale, Wing (Shad), *Atriplex canescens*

Pollens - Weeds and Garden Plants: Scotch Broom, *Cytisus scoparius*

Pollens - Weeds and Garden Plants: Sea Blite, *Suaeda occidentalis*

Pollens - Weeds and Garden Plants: Sea Blite, California, *Suaeda californica*

Pollens - Weeds and Garden Plants: Sedge, *Carex barbarae*

Pollens - Weeds and Garden Plants: Shadscale, *Atriplex confertifolia*

Pollens - Weeds and Garden Plants: Sheep Sorrel, *Rumex acetosella*

Pollens - Weeds and Garden Plants: Silverscale, *Atriplex argentea*

Pollens - Weeds and Garden Plants: Spearscale, *Atriplex patula*

Pollens - Weeds and Garden Plants: Sugar Beet, *Beta vulgaris*

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

Pollens - Weeds and Garden Plants: Tansy, *Tanacetum vulgare*

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Pollens - Weeds and Garden Plants: Wingscale, *Atriplex canescens*

Pollens - Weeds and Garden Plants: Wormwood, Annual, *Artemisia annua*

Pollens - Weeds and Garden Plants: Yarrow, *Achillea millefolium*