



CROSS-REACTIVITY GUIDE

Grasses. Weeds. Trees.

This guide illustrates the cross reactive qualities of some grasses, weeds, and trees from the HollisterStier pollen allergen lines. If you have more questions on cross reactivity please contact our customer service center to be connected with our botanist. To identify the correct HollisterStier product, the item number of the allergen is provided to reference when posing questions or placing orders.

To use the guide please note that the allergens listed in column 1 can be used to treat allergies to any of the listings in columns 2 and 3. In column 2 the allergens noted with green arrows direct you to the groups within column 3 that can also be treated using that particular extract.

GRASSES

Timothy 0831	Redtop 0777 ► Barley Bent Grass Bluegrass, Kentucky & Canada Canary Grass Reed Canary Grass Fescue Quack Grass Orchard Grass 0718 ►	Bent Grass, Colonial Koeler's Grass Oats, Common Wild Oatgrass, Tall Velvetgrass Cheat Brome Blue Bunchgrass Wheat Wheatgrass, Crested Wheatgrass, Western Giant Wild Ryegrass Rye, Cultivated Rye, Alkali
Perennial Ryegrass 0787	Quack Grass Ryegrass, Italian	
Bermuda Grass 0537	Gamma Grass, Blue Salt Grass	
Johnson Grass 1745	Sorghum, Common Cultivated Sudan Grass	





KENTUCKY BLUEGRASS

WARNING: ANAPHYLAXIS

See full prescribing information for complete boxed warning.

- Intended for use only by licensed healthcare provider experienced in administering Non-Standardized Allergenic Extracts and trained to provide immediate emergency treatment in the even of a life threatening reaction.
- Non-Standardized Allergenic Extracts can cause serious systemic reactions, including anaphylactic shock and death.
- Do not inject intravenously.
- Initial dose for immunotherapy must be individualized based on the degree of sensitivity of the patient.
- Observe patients for at least 30 minutes following administration.
- Immunotherapy may not be suitable for patients with medical conditions that reduce their ability to withstand a systemic reaction.
- Non-Standardized Allergenic Extracts can cause serious systemic reactions, including anaphylactic shock and death, especially in patients who have severe or steroid-dependent asthma, cardiovascular disease, or in patients who use beta blockers.
- Local reactions at the injection site include: erythema, swelling pruritus, tenderness and pain.
- Systemic reactions include: generalized skin erythema, urticaria, pruritus, angioedema, rhinitis, wheezing, laryngeal edema, and hypotension.

WEEDS

<p>Dock/Sorrel Mix 1517</p>	<p>Dock, Bitter Dock, Yellow Sheep Sorrel</p>	
<p>Plantain, English 2213</p>	<p>Plantain, Narrowleaf Plantain, Broadleaf</p>	
<p>Lambs Quarters 1787</p>	<p>Greasewood Sea Blite, Alkali</p>	
<p>Ragweed Mix (Giant, Short & Western) 2318</p>	<p>Giant Ragweed 2294 Short Ragweed 2297 ▶ Parthenium</p> <p>Western Ragweed 2309 ▶</p>	<p>Cosmos Ragweed, Slender Ragweed, Southern Sunflower</p> <p>Beach Bur Ragweed, Bur/Rabbit Bush Ragweed, Canyon Ragweed, Desert Ragweed, False Ragweed, Silver</p>
<p>Kochia 1781</p>	<p>Pickleweed Mexican Tea Wormseed Jerusalem Oak</p>	
<p>Carelessweed/Pigweed Mix 1301</p>	<p>Pigweed, Spiny Waterhemp, Western Prostrate Pigweed</p>	
<p>Scale, Wing 2483</p>	<p>Bassia Lenscale Iodine Bush Saltbush, Annual Scale, All Scale, Bract Scale, Brewer's Scale, Lens Scale, Red Scale, Silver Scale, Spear Sugar Beet Winter Fat</p>	 <p>SHORT RAGWEED</p>
<p>Sage, Mugwort 2414</p>	<p>Dandelion Sage, Annual Sage, Coast Sage, Common Sage, Fringe Sage, Pasture Sage, Sand Dune Sage, Tarregon/Green Sage, White Sage, Wormwood</p>	 <p>MUGWORT SAGE</p>

TREES

<p>Acacia, Golden 1007</p>	<p>Acacia, Bailey's</p>	
<p>Alder, Red 1019</p>	<p>Alder, Hazel Alder, Mountain Alder, Sitka Alder, White</p>	
<p>Ash, White 1061</p>	<p>Ash, Arizona Ash, Green Ash, Oregon Lilac Olive Privet</p>	
<p>Birch Mix 1169</p>	<p>Birch, Cherry Birch, Paper Birch, River/Red Birch, Spring Birch, White Birch, Yellow Chestnut, American Hazelnut, American Hazelnut, European Hop-Hornbeam Hornbeam, American</p>	 <p>BOXELDER</p>
<p>Boxelder/Maple Mix 1214</p>	<p>Boxelder Chestnut, Horse Maple, Coast Maple, Red Maple, Soft Silver Maple, Sugar</p>	
<p>Cedar, Mountain 1337</p>	<p>Arborvitae, Oriental Cedar, Giant/Western Red Cedar, Incense Cedar, Japanese Cedar, Rocky Mountain Cedar, White Juniper, California Juniper, Chinese Juniper, One-seed Juniper, Pinchot Juniper, Utah Juniper, Western</p>	 <p>COTTONWOOD</p>
<p>Cypress, Arizona 1451</p>	<p>Cedar, Port Orford Cypress, Italian Cypress, Monterey</p>	
<p>Cottonwood 1436</p>	<p>Aspen Cottonwood, Black Cottonwood, Fremont Cottonwood, Great Plains Poplar, Balsam Poplar, Lombardy Poplar, White</p>	

TREES

<p>Oak Mix 2036</p>	<p>Oak, Arizona, Gambel Oak, Arizona Scrub Oak, Blackjack Oak, Bur Oak, California Black Oak, California Live Oak, California Scrub Oak, Coast Live Oak, Englemann Oak, Garry/Oregon Oak, Holly Oak, Interior Live Oak, Post Oak, Swamp/Pin Oak, Valley Oak, Virginia Live Oak, Water</p>	
<p>Elm, American 1541</p>	<p>Elm, Chinese 1547 ▶ Elm, Siberian Elm, Slippery</p>	<p>Elm, Fall-Blooming</p>
<p>Pecan 2099</p>	<p>Hickory, Shellbark Hickory, White</p>	
<p>Pine Mix (LY) 2204</p>	<p>Pine, Austrian Pine, Digger Pine, Loblolly Pine, Longleaf Pine, Monterey Pine, Pinyon Pine, Red Pine, Shortleaf Pine, Virginia Scrub Pine, Eastern White Pine, Western White</p>	
<p>Sycamore, American 2564</p>	<p>Sycamore, Mapleleaf Sycamore, Western</p>	
<p>Walnut, Black 2627</p>	<p>Butternut Walnut, Arizona Walnut, Hind's California Black Walnut, English</p>	
<p>Willow, Black 2678</p>	<p>Willow, Arroyo Willow, Pussy Willow, Red Willow, Yellow</p>	



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References

- R. Lockey, D Ledford. "Allergens and Allergen Immunotherapy." Informa, 4th Edition, 2008.
R Weber. "Cross-reactivity of pollen allergens: impact on allergen immunotherapy." Ann Allergy Asthma Immunol, vol 99, p.203-212, 2007.