



CITRUS

Product Use Overview



| Florida |




	Product	Key Problems / Uses	Product Benefits and Use Recommendations
Insecticides—Soil	Belay® Insecticide (non-bearing; for use only in Florida)	Aphids, Asian citrus psyllid , citrus leafminers, leafhoppers, mealybugs, whiteflies (suppression)	Non-bearing citrus: Long-lasting, broad spectrum insect control that is effective in all soil textures and readily available for uptake. For new plantings or resets (<3 feet tall): 3 fl oz/A or 0.02 fl oz/tree. For 1- to 2-year-old trees (3–5 feet tall): 6 fl oz/A or 0.04 fl oz/tree. Allow a minimum of 6 weeks between applications. Do not apply more than 24 fl oz/A or exceed 0.4 lb active ingredient per acre per year. Do not apply within 1 year of harvest unless allowed under other labeling. REI: 12 hours.
	Esteem® Ant Bait	Protein-feeding ants, including Southern fire ant	Effective long-lasting control of fire ants and other protein-feeding ants. Apply 1.5–2 lb/A at the first sign of ant activity. REI: 12 hours. PHI: 1 day.
Insecticides—Foliar	Azera® Insecticide	Aphids, cutworms, leafhoppers, leafrollers, navel orangeworms, stink bugs, thrips	Controls insects by quick knock down, ingestion and insect growth regulator activity. Apply when target pest(s) populations are observed. Labeled rate range: 16–56 fl oz/A. Maximum 10 applications per season. REI: 12 hours. PHI: 0 days. 
	Danitol® 2.4 EC Spray	Asian citrus psyllid , leafhoppers, mites, weevils (Diaprepes)	Quick knock down of broad spectrum of insects. Trusted tool for Asian citrus psyllid. Important component of Citrus Health Management Area programs. Flexible methods of application including ground, aerial or ultra-low volume spray. Labeled rate: 16 fl oz/A. Maximum 42 ² / ₃ fl oz/A per season. REI: 24 hours. PHI: 1 day. Danitol is a restricted use pesticide.
	DiPel® DF Biological Insecticide Dry Flowable	Worms, including orangedog	Environmentally friendly control of lepidopteran (worm) pests. Apply 0.5–2 lb/A when insects are feeding. REI: 4 hours. PHI: 0 days. 
	Knack® Insect Growth Regulator (for use only in Florida)	Black fly, leafminer, scale insects, whitefly	Long-lasting scale, leafminer and whitefly control. Easy on beneficials. Maximum of two applications or 26 fl oz/A per calendar year; only one 16 fl oz application for scale. Apply 10 fl oz/A; 16 fl oz/A for scale. REI: 12 hours. PHI: 1 day.
	PyGanic® Crop Protection EC 1.4_{II} / 5.0_{II}	Aphids, leafhoppers, mites, stink bugs, whiteflies	Controls a broad spectrum of insects, such as aphids, mites and whiteflies. Apply when target pest(s) populations are observed. <i>PyGanic</i> 1.4 _{II} : 16–64 fl oz/A. <i>PyGanic</i> 5.0 _{II} : 4.5–17 fl oz/A. REI: 12 hours. PHI: 0 days. 
	Veratran D® Insecticide	Thrips	The only crop protection product in the U.S. using <i>Sabadilla</i> alkaloids as the active ingredient to control thrips. To control citrus thrips and protect fruit, treat when early instars are present. Reapply as needed, usually at a 10- to 14-day interval. Labeled rate range: 10–15 lb/A. REI: 12 hours. 



CITRUS

Product Use Overview



	Product	Key Problems / Uses	Product Benefits and Use Recommendations
Fungicides	Actinovate® AG Biological Fungicide	Citrus canker, greasy spot, Phytophthora foot rot and root rot	<p><i>Actinovate</i> AG is a biological fungicide/bactericide for use in suppressing a broad range of soilborne and foliar diseases. Contains <i>Streptomyces lydicus</i> strain WYEC 108, a beneficial bacterium with multiple modes of action.</p> <p>Labeled rate range: 6–12 oz/A. REI: 1 hour. PHI: 0 days.</p> 
	Presidio® Fungicide	Phytophthora root rot and foot rot (<i>Phytophthora</i> spp.)	<p>For new or established plantings spray directly on the soil beneath canopy or apply through drip or micro-sprinkler irrigation.</p> <p>Labeled rate: 4 oz/A. REI: 12 hours. PHI: 30 days.</p>
Herbicide	Chateau® Herbicide SW	Florida pusley, lambsquarters, common ragweed, pigweeds, teaweed	<p>Long-lasting control of a broad range of broadleaf weeds and annual grasses. Clean out sprayer thoroughly after each use.</p> <p>Labeled rate range: 6–12 oz/A. Max 24 oz per year. REI: 12 hours. PHI: 3 days.</p>
Plant Growth Regulator	ProGibb® LV Plus Plant Growth Regulator	Prevents pre-harvest fruit drop, increases fruit set and yield, delays rind aging and softening, increases peel strength	<p>Refer to the label for specific crops and rate recommendations. REI: 4 hours. PHI: 0 days.</p> 
Soil / Plant Health	MycoApply® EndoMaxx	Delivers root mass expansion, nutrient efficiency and water acquisition	<p>Bare root—preplant spray or root dip 5 grams/1,000 seedlings; suggested dilution rate: 3 gallons of water/1,000 seedlings.</p> <p>Containerized nursery stock—preplant drench 8 grams/1,000 seedlings; mix with enough water so that uniform distribution of drench is achieved (no more than 10% run through).</p> <p>Recently planted (1 year or less)—banded spray over root zone followed by irrigation or rainfall 10 grams/1,000 trees.</p> <p>Established trees (2–4 years)—banded spray over root zone followed by irrigation or rainfall 15 grams/1,000 trees.</p> <p>Established trees (5+ years)—40 grams/1,000 trees.</p> 



Products That Work, From People Who Care® | valent.com | 800-6-VALENT (682-5368)

Always read and follow label instructions.

Chateau, *Esteem*, *Knack*, *Presidio* and *Products That Work, From People Who Care* are registered trademarks of Valent U.S.A. LLC. *DiPel* and *ProGibb* are registered trademarks of Valent BioSciences LLC. *Belay* and *Danitol* are registered trademarks of Sumitomo Chemical Company, Ltd. *Actinovate* is a registered trademark of Novozymes BioAg Inc. *Azera*, *PyGanic* and *Veratran D* are registered trademarks of McLaughlin Gormley King Company. *MycoApply* is a registered trademark of Mycorrhizal Applications, LLC. ©2018 Valent U.S.A. LLC. All rights reserved. Printed in the U.S.A. 2018-CTS-8000 PM 8/18

***Actinovate*, *Azera*, *DiPel DF*, *MycoApply EndoMaxx*, *PyGanic*, *ProGibb* and *Veratran D* are OMRI listed and NOP compliant for organic production.**



***Danitol* is a restricted use pesticide.**