



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	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 application for scale. Apply 10 fl oz/A; 16 fl oz/A for scale. REI: 12 hours. PHI: 1 day.
	PyGanic® Crop Protection EC 1.4/5.0	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: 16–64 fl oz/A. <i>PyGanic</i> 5.0: 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.







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Fungicide	Actinovate® AG Biological Fungicide	Citrus canker, greasy spot, Phytophthora foot rot and root rot	<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. Labeled rate range: 6–12 oz/A. REI: 1 hour. PHI: 0 days. 
Herbicide	Chateau® Herbicide SW	Florida pusley, lambsquarters, common ragweed, pigweeds, teaweed	Long-lasting control of a broad range of broadleaf weeds and annual grasses. Clean out sprayer thoroughly after each use. Labeled rate range: 6–12 oz/A. Max 24 oz per year. REI: 12 hours. PHI: 3 days.
Plant Growth Regulator	ProGibb® LV Plus Plant Growth Regulator	Improves fruit set and reduces fruit drop	See product label for rates and timings by variety. Tangerine hybrids—To increase fruit set and yield, apply 8–30 grams AI. Make 1–2 applications during the bloom period using a dilute spray. REI: 4 hours. PHI: 0 days. To delay softening and aging of the rind; reduce pre-harvest fruit drop associated with physiological disorders brought on by citrus greening disease. Apply 10 fl oz/A. Make initial application in August or September prior to observing significant fruit drop in grove. Repeat application in approximately 45 days. For best results apply in 100–250 gallons total volume per acre. Sufficient coverage of fruit is essential for activity. 
Soil / Plant Health	MycoApply® EndoMaxx	Delivers root mass expansion, nutrient efficiency and water acquisition	Bare root—preplant spray or root dip 5 grams/1,000 seedlings; suggested dilution rate: 3 gallons of water/1,000 seedlings. 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). Recently planted (1 year or less)—banded spray over root zone followed by irrigation or rainfall 10–20 grams/1,000 trees. Established trees (2–4 years)—banded spray over root zone followed by irrigation or rainfall 15–40 grams/1,000 trees. 



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Always read and follow label instructions.

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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.