



CITRUS

# Product Use Overview



| Western |





	Product	Key Problems / Uses	Product Benefits and Use Recommendations
Insecticides	Azera® Insecticide	Aphids, katydids, leafhoppers, navel orangeworms, psyllids, stink bugs, thrips, whiteflies	Controls insects by quick knock down, ingestion and insect growth regulation 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	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 or aerial. Labeled rate: 16 fl oz/A. Maximum 42⅔ fl oz/A per season. REI: 24 hours. PHI: 1 day. <b>Danitol is a restricted use pesticide.</b>
	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. 
	Esteem® Ant Bait	Ants, including Southern (California) fire ant	Effective long-lasting control of fire ants and other ants. Apply 1.5–2 lb/A at the first sign of ant activity. REI: 12 hours. PHI: 24 hours.
	Esteem® 0.86 EC Insect Growth Regulator	Leafminer, scale insects, whiteflies	Long-lasting scale, leafminer and whitefly control. Easy on beneficials. Maximum of two applications or 20 fl oz/A per season; only one application for scale. Labeled rate: 10 fl oz/A; 16 fl oz/A for scale. REI: 12 hours. PHI: 1 day.
	EverGreen® Crop Protection EC 60-6	Ants, aphids, grasshoppers, leafhoppers, navel orangeworm, psyllids, thrips	Ideal pre-harvest, cleanup spray. Fast knock down of more than 100 different insects. Labeled rate range: 2–16 fl oz/A. REI: 12 hours. PHI: 0 days.
	PyGanic® Crop Protection EC 1.4/5.0	Aphids, katydids, leafhoppers, mealybugs, mites, psyllids, stink bugs, thrips, whiteflies	Controls a broad spectrum of insects. Apply when target pest(s) populations are observed. PyGanic 1.4: 16–64 fl oz/A. PyGanic 5.0: 4.5–17 fl oz/A. REI: 12 hours. PHI: 0 days. 
	Tersus® Insecticide	Aphids, katydids, leafhoppers, mealybugs, mites, psyllids, stink bugs, thrips, whiteflies and more	Long residual; keeps whitefly populations from exploding. Soft chemistry—easy on beneficial insects. Translaminar activity; reaches whiteflies where they feed. Labeled rate range: 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. 
	XenTari® Biological Insecticide	Worms, including orangedog	Treat when larvae are young (early instars) before crop is damaged. Labeled rate range: 0.5–2 lb/A. REI: 4 hours. PHI: 0 days. 



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Fungicide	<b>Actinovate® AG Biological Fungicide</b>	Citrus canker, 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. 
Herbicides	<b>Chateau® Herbicide SW</b>	Chickweeds, fleabane, groundsel, mallow, marestail, shepherd's purse	Long-lasting preemergence 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.
	<b>Select Max® Herbicide with Inside Technology™ (non-bearing)</b>	Annual and perennial grasses	Non-bearing. Superior postemergence for systemic grass control with outstanding crop safety. Lower volatile organic compound (VOC) formulation than other clethodim formulations. For annual grasses, use 9–16 fl oz/A. For perennial grasses, use 12–16 fl oz/A. Do not apply more than 16 fl oz/A in a single application. Do not apply more than 64 fl oz/A per season. For repeat applications make a minimum of a 14-day interval. REI: 24 hours. PHI: 1 year.
Nematicide	<b>DiTera® DF Biological Nematicide</b>	Nematodes	Stops nematode feeding and enhances soil microbes. Labeled broadcast rate range: 0.31–2.4 lb/A, 1,000 sq ft (13.5–104.5 lb/A). Apply after harvest and at spring root flush for best results. REI: 4 hours. 
Plant Growth Regulator	<b>ProGibb® LV Plus Plant Growth Regulator</b>	Increase fruit set and yield. Delay rind aging, reduce physiological disorders and produce a more orderly harvest pattern.	See product label for rates and timings by variety. REI: 4 hours. PHI: 0 days. 
Soil / Plant Health	<b>MycoApply® EndoMaxx</b>	Delivers root mass expansion, nutrient efficiency and water acquisition	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 grams/1,000 trees. Established trees (2+ years)—banded spray over root zone followed by irrigation or rainfall 15–40 grams/1,000 trees. 



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