



# Product Use Overview



| U.S. (excluding California) |

	Product	Organic Solution	Key Problems / Uses	Product Benefits and Use Recommendations
Insecticides	<b>Asana® XL Insecticide</b>		Green fruitworm, leafhoppers, leafrollers, oriental fruit moth, peach twig borer, plant bugs (including tarnished plant bug and stink bugs)	Provides the best start for early-season pest control in orchards. Offers extended control with unique cottonseed oil formulation for proven, rainfast protection. Labeled rate range: 4.8–14.5 fl oz/A. REI: 12 hours. PHI: 14 days after application. <b>Asana XL is a restricted use pesticide.</b>
	<b>Belay® Insecticide (for peaches only)</b>		Aphids, leafhoppers, lygus/plant bugs, plum curculio, scale, stink bugs	Apply when target pest(s) threshold populations are observed. Labeled rate range: 3–6 fl oz/A. Use 6 fl oz/A for lygus/plant bugs, plum curculio, scale and stink bugs. Refer to label for any pollinator application restrictions. Maximum 12 fl oz/A per season. REI: 12 hours. PHI: 21 days.
	<b>Danitol® 2.4 EC Spray</b>		Fruitworms, leafrollers, mites, navel orangeworm, orange tortrix, oriental fruit moth, peach twig borer, stink bugs (excluding brown)	Controls many commonly occurring insect pests including mites. Apply at threshold by airblast at a water volume that can ensure complete coverage. Labeled rate range: 10 <sup>2</sup> / <sub>3</sub> –21 <sup>1</sup> / <sub>3</sub> fl oz/A. REI: 24 hours. PHI: 3 days. <b>Danitol is a restricted use pesticide.</b>
	<b>DiPel® DF Biological Insecticide Dry Flowable†</b>	X	Lepidopteran pests, including fall webworm, omnivorous leafroller, peach twig borer, tent caterpillar and more	Labeled rate range: 0.5–2 lb/A. For peach twig borer, apply when 20–40% of over-wintering larvae have emerged. Apply again at 80–100% emergence. Use in combination or rotation with other insecticide chemistries for superior control. REI: 4 hours. PHI: 0 days.
	<b>Esteem® Ant Bait</b>		Ants, including fire ant and pavement ant	Apply 1.5–2 lb/A in the early spring or summer at the first sign of ant activity. <i>Esteem Ant Bait</i> can also be applied following harvest to provide additional management of protein-feeding ants. REI: 12 hours. PHI: 24 hours.
	<b>Esteem® 35 WP Insect Growth Regulator</b>		Lecanium scale, peach twig borer (suppression), San Jose scale	Apply at dormant, delayed dormant or in-season. Use with spray oil at dormant, delayed dormant timings. Labeled rate range: 4–5 oz/A. Three applications per growing season max. REI: 12 hours. PHI: 14 days.
	<b>Pyganic® Crop Protection EC 1.4<sub>II</sub> / 5.0<sub>II</sub>†</b>	X	Aphids, leafhoppers, stink bugs	Apply when target pest(s) threshold populations are observed. For improved resistance management, consider rotating <i>Pyganic</i> with Debug® brands, a combination of neem oil and azadirachtin. For more information on Debug brands, visit mgk.com. Labeled rate range: <i>Pyganic</i> 1.4 <sub>II</sub> : 16–64 fl oz/A. Use 32 fl oz/A for most situations, adjust rate as needed for control. <i>Pyganic</i> 5.0 <sub>II</sub> : 4.5–15.61 fl oz/A. Use 9 fl oz/A for most situations, adjust rate as needed for control. Maximum 10 applications per season. REI: 12 hours. PHI: 0 days.
	<b>Senstar® Insecticide</b>		Aphids, mealybugs, scale, whiteflies	<i>Senstar</i> provides long-lasting control of soft-bodied insects at all life stages, including eggs and crawlers. Labeled rate range: 12–18 fl oz/A. REI: 24 hours. PHI: 14 days.
	<b>XenTari® Biological Insecticide Dry Flowable†</b>	X	Lepidopteran pests, including armyworms	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.
Fungicide	<b>Zeal® Miticide¹</b>		European red mite, Pacific spider mite, two-spotted spider mite	Long-lasting mite control with translaminar activity. <i>Zeal</i> is a mite growth regulator that affects all mite life stages, including eggs. Best results are achieved when mite populations are building up and below, or at, threshold. One application per season. Labeled rate range: 2–3 oz/A. REI: 12 hours. PHI: 7 days.
	<b>Quash® Fungicide</b>		Brown rot blossom blight, cherry leaf spot, fruit brown rot, fruit rots, powdery mildew, rust, scab, shot hole	<b>Cherries:</b> brown rot blossom blight, 2.5–3.5 oz/A; cherry leaf spot, 4 oz/A; fruit brown rot, 2.5–4 oz/A; powdery mildew, 3.5–4 oz/A. <b>Apricots, nectarines and peaches:</b> brown rot blossom blight, shot hole and scab, 2.5–3.5 oz/A; fruit brown rot, 2.5–4 oz/A; powdery mildew, 3.5–4 oz/A; rust, 3.5 oz/A. <b>Plums:</b> brown rot blossom blight, 2.5–3.5 oz/A; rust, 3.5 oz/A; powdery mildew, 3.5–4 oz/A. Do not apply more than 10.5 oz/A per year when the maximum rate per application is 3.5 oz/A. Do not apply more than 12 oz/A per year when the maximum rate per application is 4 oz/A. REI: 12 hours. PHI: 14 days.



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Herbicides	Chateau® EZ Herbicide		Winter annuals, fleabane, marestail and more than 90 tough broadleaf and grass weeds	Long-lasting, preemergence herbicide. Stops weeds, won't leach or co-distillate. Labeled rate range: 6–12 fl oz/A. Maximum 24 fl oz/A per year. Use with a burndown herbicide if emerged weeds are present. Make applications as a uniform band directed at the base of the trunk (berm spray). Length of residual weed control is rate-dependent. Be sure to clean out sprayer thoroughly after each use. REI: 12 hours. PHI: 60 days.
	Select Max® Herbicide with Inside Technology™		Annual grasses, perennial grasses	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. Adjuvant recommendation: NIS 0.25% v/v. REI: 24 hours. PHI: 14 days.
Plant Growth Regulators	Accede® SG Plant Growth Regulator Soluble Granule		Fruit thinning on peaches/nectarines	Accede SG is the first of its kind chemical thinner registered for use on peaches/nectarines. Trials have demonstrated that an application of Accede SG to peaches/nectarines will reduce fruit set and reduce, but not eliminate, the need for hand thinning. Accede SG can be applied from the pink bud stage to petal fall. Labeled rate range: 300–600 ppm (equivalent to 10–20 oz of product in 100 gallons of water per acre). REI: 12 hours. PHI: 0 days.
	ProGibb® 40% Plant Growth Regulator Water Soluble Granule†	X	<b>For sour cherries:</b> maintain, extend high fruiting capacity	Apply 1 spray 14–28 days after bloom. ProGibb 40%: 0.4–1.6 oz/A, depending on tree age and vigor. ProGibb LV Plus: 2–9 fl oz/A, depending on tree age and vigor. REI: 4 hours. No PHI is required.
	ProGibb® LV Plus Plant Growth Regulator Solution†	X	<b>For sweet cherries:</b> produce larger, brighter-colored, firmer fruit	Apply 1–2 applications depending on crop development. ProGibb 40%: 1.4–4.3 oz/A. ProGibb LV Plus: 8–24 fl oz/A. REI: 4 hours. No PHI is required.
		X	<b>For stone fruit, except cherries:</b> increase fruit firmness and improve fruit quality	Apply a single spray 1–4 weeks prior to the beginning of harvest. ProGibb 40%: 1.4–2.9 oz/A. ProGibb LV Plus: 8–16 fl oz/A. REI: 4 hours. No PHI is required.
	ReTain® Plant Growth Regulator Soluble Powder		<b>For cherries:</b> increase fruit set	ReTain extends flower viability, increasing the opportunity for fruit set to occur. Apply 1–2 pouches (333–666 grams)/A during cherry bloom. May be applied as a single application of up to 2 pouches, or as sequential applications of 1 pouch per application. REI: 12 hours. PHI: 7 days.
			<b>For stone fruit, except cherries:</b> increase size, maintain firmness, harvest management, reduce drop and enhance storage	ReTain gives you more flexibility and control over orchards by extending the harvest window and improving stone fruit quality. ReTain is proven to reduce pre-harvest fruit drop so yield doesn't fall to the ground giving more time to pick higher-quality fruit. Apply 1 pouch (333 grams)/A 1–2 weeks prior to anticipated harvest. REI: 12 hours. PHI: 7 days.

Pyganic® Crop Protection EC 1.4<sub>II</sub> and Pyganic® Crop Protection EC 5.0<sub>II</sub> are OMRI Listed under MGK for organic production.



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†DiPel® DF Biological Insecticide Dry Flowable, ProGibb® LV Plus Plant Growth Regulator Solution, Pyganic® Crop Protection EC 1.4<sub>II</sub>, Pyganic® Crop Protection EC 5.0<sub>II</sub> and XenTari® Biological Insecticide Dry Flowable are NOP compliant and OMRI Listed for organic production.

Asana XL and Danitol are restricted use pesticides.



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