



# Product Use Overview



| 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)	Dormant treatment 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, stink bugs	Refer to the DPR's restrictions on neonicotinoid usage in stone fruit crops. No soil applications. Labeled rate range: 3–6 fl oz/A (0.05–0.1 lb AI/A). Maximum is 12 fl oz/A (0.2 lb AI/A) per year. 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, spotted wing drosophila, 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: 10⅔–21⅓ 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, rehdumped caterpillar, tent caterpillar	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 (pavement, fire 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>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>Seize® 35 WP Insect Growth Regulator</b>		Lecanium scale, peach twig borer (suppression), San Jose scale	Highly-effective, reduced risk IGR. 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>Senstar® Insecticide</b>		Aphids, mealybugs, scale, whiteflies	With two effective modes of action, <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	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.
	<b>Zeal® MVP Miticide</b>		Two-spotted spider mite, Pacific spider mite, European red mite	Long-lasting mite control with translaminar activity. <i>Zeal MVP</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: 23–34.6 fl oz/A. REI: 12 hours. PHI: 7 days.



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Fungicide	Quash® Fungicide		Blossom blight, brown rot, cherry leaf spot, fruit rots, powdery mildew, rust, scab, shot hole	For cherry leaf spot, labeled rate 4 oz/A. In cherries, apricots, nectarines and peaches for fruit brown rot, labeled rate range 2.5–4 oz/A; green fruit rot/ jacket rot suppression, labeled rate range 2.5–3.5 oz/A; brown rot blossom blight 2.5–3.5 oz/A; powdery mildew 3.5–4 oz/A. In apricots, nectarines and peaches for shot hole and scab, labeled rate range 2.5–3.5 oz/A. In apricots, nectarines, peaches and plums for rust, labeled rate 3.5 oz/A. Maximum rate of 12 oz/A per year. For rust, maximum rate of 10.5 oz/A per year. REI: 12 hours. PHI: 14 days.
	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. <b>Refer to label for restrictions in California.</b>
Herbicides	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.
	Accede® SG Plant Growth Regulator Soluble Granule		Fruit thinning on peaches/ nectarines	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.
Plant Growth Regulators	ProGibb® 40% Plant Growth Regulator Water Soluble Granule†	X	<b>For sweet cherries:</b> Produce larger, brighter-colored, firmer fruit	ProGibb 40% labeled rate range: 1.4–4.3 oz/A. One application only in California. ProGibb LV Plus labeled rate range: 8–24 fl oz/A. Apply 1–2 applications when fruit is translucent green to straw colored. REI: 4 hours. No PHI is required.
	ProGibb® LV Plus Plant Growth Regulator Solution†	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% labeled rate range: 1.4–2.9 oz/A. ProGibb LV Plus labeled rate range: 8–16 fl oz/A. REI: 4 hours. No PHI is required.
	ReTain® Plant Growth Regulator for California		<b>For cherries:</b> Increase fruit set	ReTain extends flower viability, increasing the opportunity for fruit set to occur. Apply 1 pouch (333 grams)/A during bloom. REI: 12 hours. PHI: 7 days.
			<b>For stone fruit, except cherries:</b> Increase fruit size, maintain firmness, harvest management, reduce fruit drop and enhance storage potential	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 beginning of normal harvest period of untreated fruit for the current season. 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® 40% Plant Growth Regulator Water Soluble Granule, 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.

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