



# Product Use Overview



STONE FRUIT

| U.S. (excluding California) |




	Product	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, 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>	Lepidoptera 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 (pavement, fire ants)	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>	Aphids, leafhoppers, stink bugs	Apply when target pest(s) threshold populations are observed. 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 fast, long-lasting control of soft-bodied insects at all life stages, including eggs. Labeled rate range: 12–18 fl oz/A. REI: 24 hours. PHI: 14 days.
	<b>XenTari® Biological Insecticide Dry Flowable</b>	Lepidoptera 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.
	<b>Zeal® Miticide<sup>1</sup></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.
Fungicide	<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	<b>Chateau® EZ Herbicide</b>	Annual morningglories, fleabane, maretail and more than 90 tough broadleaf and grass weeds	<i>Chateau</i> EZ is a more convenient, easy-to use liquid formulation. 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. 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>Select Max® Herbicide with Inside Technology™</b>	Annual grasses, perennial grasses	Superior postemergence control of annual and perennial grasses. May be used with an NIS. For annual grasses, use 9–16 fl oz/A. For perennial grasses, use 12–16 fl oz/A. REI: 24 hours. PHI: 14 days.
Plant Growth Regulators	<b>Accede® Plant Growth Regulator Liquid Concentrate</b>	Reduce fruit set and hand thinning on peaches/nectarines	<i>Accede</i> is the first of its kind chemical thinner registered for use on peaches/nectarines. Trials have demonstrated that an application of <i>Accede</i> to peaches/nectarines will reduce fruit set and reduce, but not eliminate, the need for hand thinning. <i>Accede</i> can be applied from the pink bud stage to petal fall. Make the first application from early to full bloom. If necessary, a second application may be made 7 to 10 days later (up to petal fall). Labeled rate range: 300–600 ppm (equivalent to 34.5–69 fl oz of product in 100 gallons of water per acre). REI: 12 hours. PHI: 0 days.
	<b>ProGibb® LV Plus Plant Growth Regulator</b>	<b>For sour cherries:</b> maintain, extend high fruiting capacity	Apply 1 spray 14–28 days after bloom. Use 4–18 grams AI/A, depending on tree age and vigor. REI: 4 hours. No PHI is required. 
		<b>For sweet cherries:</b> produce larger, brighter-colored, firmer fruit	Apply 1–2 applications starting when cherry is translucent-green to straw-colored. Use maximum of 16–48 grams AI/A per season, depending on variety and crop size. REI: 4 hours. No PHI is required. 
		<b>For stone fruit, except cherries:</b> maintain fruit firmness	Labeled rate range: 16–32 grams AI/A using a single spray one to four weeks prior to the beginning of harvest. REI: 4 hours. No PHI is required. 
	<b>ReTain® Plant Growth Regulator Soluble Powder</b>	<b>For cherries:</b> increase fruit set	Apply 1–2 pouches/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, reduced drop and enhanced storage	Apply 1 pouch/A one to two weeks prior to anticipated harvest. REI: 12 hours. PHI: 7 days.



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***DiPel* DF, *ProGibb* LV Plus, *Pyganic* and *XenTari* are NOP compliant and OMRI listed for organic production.**

***Asana* XL and *Danitol* are restricted use pesticides.**

