



POME FRUIT

# Product Use Overview



	Product	Key Problems / Uses	Product Benefits and Use Recommendations
Fungicide	<b>Actinovate® AG Biological Fungicide</b>	Alternaria (blotch*, rot*), bitter rot*, brown rot (American, European), fire blight*, powdery mildew *Except California	<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: 3–12 oz/A. REI: 1 hour. PHI: 0 days. 
Herbicides	<b>Chateau® Herbicide SW</b>	More than 90 tough broadleaf and annual grass weeds, including filaree, fleabane, mallow, marestail, pigweed	Long-lasting control. Does not leach or volatilize and offers excellent rotational flexibility. Labeled rate range: 6–12 oz/A. A maximum rate of 6 oz/A per application should be used on any soil that has a sand plus gravel content over 80% if trees are under 3 years of age. REI: 12 hours. PHI: 60 days. <b>Refer to label for restrictions in Oregon and Washington.</b>
	<b>Select Max® Herbicide with Inside Technology™</b>	For control of many of annual and perennial grass weeds	Superior postemergence control of annual and perennial grasses. Labeled rate range: 9–16 fl oz/A. REI: 24 hours. PHI: 14 days. Directed application on weeds; do not apply over trees. Do not apply to root stock nursery trees.
Insecticides	<b>Asana® XL Insecticide</b>	Aphids, codling moth, leafrollers, oriental fruit moth, pear psylla, plant bugs and more	Long-lasting, unique formulation for outstanding control of a broad spectrum of pests. Labeled rate range: 4.8–14.5 fl oz/A. REI: 12 hours. PHI: 21–28 days. <b>Asana is a restricted use pesticide.</b>
	<b>Azera® Insecticide</b>	Aphids, apple maggot, beetles, brown marmorated stinkbug, codling moth, oriental fruit moth, pear psylla, thrips	Controls insects by quick knock down, ingestion and insect growth regulation. Apply when target pest(s) populations are observed. Labeled rate range: 16–56 oz/A. REI: 12 hours. PHI: 0 days. 
	<b>Belay® Insecticide</b>	First generation codling moth, pear psylla, plant bugs, plum curculio, stink bugs	Long-lasting, fast-acting control of a broad spectrum of pests. Apply when target pest(s) threshold populations are observed. This product must not be applied during bloom or when bees are foraging. Labeled rate range: 4–12 fl oz/A. REI: 12 hours. PHI: 7 days.
	<b>Danitol® 2.4 EC Spray</b>	Codling moth, mites, plant bugs, stink bugs (including brown marmorated stinkbug)	Quick knock down, broad spectrum control of insects that won't flare mites. Labeled rate range: 10 <sup>2</sup> / <sub>3</sub> –21 <sup>1</sup> / <sub>3</sub> fl oz/A. REI: 24 hours. PHI: 14 days. <b>Danitol is a restricted use pesticide.</b>
	<b>DiPel® DF Biological Insecticide Dry Flowable</b>	Leafroller and other Lepidoptera (worm) pests	Environmentally friendly and effective control of lepidopteran (worm) pests. Scout orchards and apply when insects are hatching or small. Labeled rate range: 0.5–2 lb/A. REI: 4 hours. PHI: 0 days. 
	<b>Esteem® 35 WP Insect Growth Regulator</b>	First generation codling moth, leafminers, pear psylla, rosy apple aphid, San Jose scale	Effective and long-lasting control early-season pest management, yet soft on beneficial insects and the environment. Labeled rate range: 4–5 oz/A. REI: 12 hours. PHI: 45 days. <b>Esteem 35 WP is not labeled for use in California.</b>
	<b>EverGreen® Crop Protection EC 60-6</b>	Aphids, apple maggot, codling moth, leafhoppers, lygus, pear psylla, thrips, worms	An ideal pre-harvest cleanup spray since it provides fast knock down and control with minimal field re-entry time. Labeled rate range: 2–16 fl oz/A. REI: 12 hours. PHI: 0 days.
	<b>PyGanic® Crop Protection EC 1.4<sub>II</sub> / 5.0<sub>II</sub></b>	Aphids, apple maggot, beetles, codling moth, leafhoppers, leafrollers, lygus, mites, pear psylla, stink bugs, thrips, worms	Controls a broad spectrum of insects. <i>PyGanic</i> 1.4 <sub>II</sub> : 16–64 fl oz/A. <i>PyGanic</i> 5.0 <sub>II</sub> : 4.5–17 fl oz/A. REI: 12 hours. PHI: 0 days. 
	<b>Seize™ 35 WP Insect Growth Regulator</b>	Scale	Long-lasting residual control of San Jose scale and other scales; easy on beneficial insects. Labeled rate range: 4–5 oz/A. REI: 12 hours. PHI: 45 days. <b>Only labeled for use in California, Oregon and Washington.</b>
	<b>XenTari® Biological Insecticide Dry Flowable</b>	Leafroller* and other hard-to-kill lepidoptera* (worms) larva * Except California	Environmentally friendly and effective control of lepidopteran (worm) pests. Scout orchards and apply when insects are hatching or small. 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 control. Translaminar activity reaches mites where they hide, under the leaf. Affects all life stages of mites, including eggs. Labeled rate range: 2–3 oz/A. REI: 12 hours. PHI: 14 days.



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Plant Growth Regulators	<b>Amid-Thin® W</b>	Optimize fruit size and quality in apples and pears by thinning the fruit set	Sensitivity varies considerably by variety. Labeled rate range: 1.6–8 oz/100 gallons. REI: 48 hours. PHI: 0 days.
	<b>Fruitone® L</b>	Effective and convenient thinning, return bloom enhancement, pre-harvest drop control in apples and pears	Thinning varies considerably by variety. Tree response to <i>Fruitone L</i> applications varies greatly based on the type of variety (follow labeled instructions before use). REI: 48 hours. PHI: 2 days. <i>Fruitone L</i> labels vary by state. Please check labels carefully.
	<b>K-Salt® Fruit Fix® 800</b>	Effective and convenient pre-harvest drop control in apples and pears	Labeled rate range for apples: 4–8 fl oz/A. Labeled rate range for pears: 2–4 fl oz/A. REI: 48 hours. PHI: 2 days.
	<b>MaxCel® Plant Growth Regulator Solution</b>	Increases fruit size, reduces hand thinning costs, improves packout and net returns by shifting apples and pears to larger box sizes	<i>MaxCel</i> is a state-of-the-art PGR for use in post-bloom sizing and thinning programs—even difficult-to-size varieties such as Gala, Fuji and Empire, plus Bartlett and Bosc pears. Labeled rate range: 75–200 ppm. REI: 12 hours. PHI: 86 days.
	<b>PoMaxa® Plant Growth Regulator</b>	For thinning, sizing and harvest management programs	<i>PoMaxa</i> is for use in PGR programs with <i>MaxCel</i> for thinning and sizing, and with <i>ReTain</i> to maximize harvest management potential. <i>PoMaxa</i> is excellent for crop load management. Labeled rate range: 0.5–4 fl oz/100 gallons. REI: 48 hours. PHI: 2 days.
	<b>Promalin® Plant Growth Regulator Solution</b>	Maximize fruit quality, yield, packout and overall value Improved fruit set in apples after a frost	Improves the shape and increases the size of popular apple cultivars. Enhances fruit size and weight through increased cell division. Labeled rate range: 0.5–2 pt/A. REI: 4 hours. PHI: 0 days.
	<b>ProVide® 10 SG Plant Growth Regulator Soluble Granule</b>	For russet control, plus improved quality, finish and appearance of apples	Applications help increase fruit size in apples and can also be used to reduce fruit cracking in Stayman apples and other cracking-prone cultivars. Labeled rate range: 3.6–7 oz/A (for fruit cracking suppression); 2.1–3.5 oz/A (for russet suppression). REI: 4 hours. PHI: 0 days.
	<b>ReTain® Plant Growth Regulator Soluble Granule</b>	Enhances set, optimizes maturity and quality before harvest	The foundation for a harvest management and post-harvest quality program in apples. Now labeled for up to two applications prior to harvest for maximum quality and storage potential of the fruit. Labeled rate range: 1–2 pouches/A. REI: 12 hours. PHI: 7 days.
Preharvest Coating	<b>Raynox® Sunburn Protectant</b>	Prevents sunburn browning, no visible residue, no negative effects on beneficial insects	Protects apples from sun damage by forming a thin, clear, natural wax layer that blocks damaging UV rays from harming fruit. Labeled rate: 2.5 gallons/A. REI: 0 hours. PHI: 0 days.
Soil / Plant Health	<b>MycoApply® EndoMaxx</b>	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/rainfall 10 grams/1,000 trees. Established trees (2+ yrs)—banded spray over root zone followed by irrigation/rainfall 15–40 grams/1,000 trees.



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**Always read and follow label instructions.**

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