



Product Use Overview



CANE BERRIES

| Caneberries including Raspberries & Blackberries |

	Product	Key Problems / Uses	Product Benefits and Use Recommendations
Insecticides	Asana® XL Insecticide	Aphids, obliquebanded leafroller, orange tortrix, root weevil adults* *Oregon & Washington only	Excellent control of foliar pests on multiple crops. Unique cottonseed oil formulation for rainfast protection. UV stability for extended action that results in outstanding pest control. Labeled rate range: 4.8–9.6 fl oz/A. Apply as a full coverage spray in a minimum of 50 gallons of water with ground equipment only. REI: 12 hours. PHI: 7 days. Asana XL is not labeled for use in California on caneberries. Asana XL is a restricted use pesticide.
	Danitol® 2.4 EC Spray	Spotted wing drosophila, aphids, armyworms, obliquebanded leafroller, orange tortrix, root weevils, stink bug (except brown), two-spotted spider mite, Western raspberry fruitworm	Quick knock down of a broad spectrum of insects. Labeled rate range: 10 ^{2/3} –16 fl oz/A, not to exceed 32 fl oz/A per season. Apply with air or ground equipment in adequate water for uniform coverage (a minimum of 3 gallons/A by air or a minimum of 20 gallons/A by ground). REI: 24 hours. PHI: 3 days. Danitol is a restricted use pesticide.
	DiPel® DF Biological Insecticide Dry Flowable†	Lepidoptera pests, including armyworms, cutworms, leafrollers and more	No impact to pollinators or beneficials with high selectivity to lepidopteran (caterpillar and worm) pests. Scout and apply when larvae are hatching or small larvae are starting to move on the foliage and/or fruit. Labeled rate range: 0.5–2 lb/A. REI: 4 hours. PHI: 0 days.
	Esteem® 0.86 EC Insect Growth Regulator	Cherry fruitworm, cranberry fruitworm, Lecanium scale	Long-lasting scale control. Easy on beneficials. Labeled rate: 16 fl oz/A. Do not make more than two applications per growing season. Do not exceed 32 fl oz/A per calendar year. REI: 12 hours. PHI: 7 days.
	Esteem® 35 WP Insect Growth Regulator	Cherry fruitworm, cranberry fruitworm, Lecanium scale	Long-lasting scale control. Easy on beneficials. Labeled rate: 5 oz/A. Do not make more than two applications per growing season. Do not exceed 10 oz/A per season. REI: 12 hours. PHI: 7 days. Esteem 35 WP is not labeled for use in California on caneberries.
	Esteem® Ant Bait	Ants	For long-lasting control of protein-feeding ants. Apply in the early spring or summer at the first sign of ant activity. Labeled rate range: 1.5–2.0 lb/A. REI: 12 hours. PHI: 24 hours. Esteem Ant Bait is not labeled for use in California on caneberries.
	EverGreen® Crop Protection EC 60-6	Ants, aphids, fruit flies, Japanese beetle, leafhoppers, leafrollers, stink bugs, thrips	Ideal pre-harvest, cleanup spray. Fast knock down of more than 100 different insects. Labeled rate range: 2–12.6 fl oz/A. REI: 12 hours. PHI: 0 days.
	Exponent® Insecticide Synergist	For use as a synergist in a tank mix to aid in improving the control of insects	Increases the speed of control and level of control of tank mix partners. Enhances the efficacy of pyrethrins, pyrethroids and other classes of insecticides. Raises the level of control by increasing insect susceptibility to insecticides and acaricides. Labeled rate: See label for rates with appropriate insecticide. REI: 12 hours. PHI: Use insecticide mix partner PHI.
	Knack® Insect Growth Regulator	Cherry fruitworm, cranberry fruitworm, Lecanium scale	Long residual; keeps populations from exploding. Soft chemistry—easy on beneficial insects. Translaminar activity; reaches pests where they feed. Labeled rate: 16 fl oz/A. REI: 12 hours. PHI: 7 days.
	Pyganic® Crop Protection EC 1.4_{II} / 5.0_{II}†	Aphids, fruit flies, Japanese beetle, leafhoppers, leafrollers, stink bugs, thrips, weevils, worms	Apply when target pest(s) populations are observed. For improved resistance management, consider rotating <i>Pyganic</i> with <i>Debug®</i> brands, a combination of neem oil and azadirachtin. For more information on <i>Debug</i> brands, visit mgk.com . <i>Pyganic</i> 1.4 _{II} : 16–64 fl oz/A. Use 32 fl oz/A for most situations, adjust rate needed for control. <i>Pyganic</i> 5.0 _{II} : 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.



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Insecticides	XenTari® Biological Insecticide Dry Flowable[†]	Lepidoptera pests, including armyworms, cutworms*, leafrollers* and more *Except California	Proven and effective lepidoptera control without harming beneficials. 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.
	Zeal® Miticide¹	European red mite, McDaniel spider mite, two-spotted spider mite, yellow spider mite	Long-lasting mite control with translaminar and ovicidal activity. One application per season. <i>Zeal</i> is a mite growth regulator that affects all mite life stages, including eggs. Labeled rate range: 2–3 oz/A per season. REI: 12 hours. PHI: 0 days.
	Zeal® MVP Miticide	European red mite, McDaniel spider mite, two-spotted spider mite, yellow spider mite	Long-lasting mite control with translaminar and ovicidal activity. <i>Zeal MVP</i> is an optimized EC liquid formulation of Etoxazole that delivers better and more comprehensive performance versus original Etoxazole WSP formulations. One application per season. <i>Zeal MVP</i> is a mite growth regulator that affects all mite life stages, including eggs. Labeled rate range: 23–34.6 fl oz/A per season. REI: 12 hours. PHI: 0 days.
Herbicides	Chateau® EZ Herbicide	More than 90 broadleaf weeds and grasses, including annual sowthistle, chickweed, shepherd’s-purse and many other tough weeds	Proven, broad spectrum, long-lasting preemergence herbicide in a more convenient, easy-to-use liquid formulation. Farm-friendly and weather-ready. <i>Chateau EZ</i> stays where you put it; won’t leach or co-distillate; no photo-degradation; remains active until ¼-inch rainfall or irrigation releases its activity. For best results, apply before weeds emerge in the fall. Labeled rate: 6 fl oz/A. REI: 12 hours. PHI: 7 days.
	Select Max® Herbicide with Inside Technology™	Annual and perennial grasses	Superior postemergence for systemic grass control with outstanding crop safety. For annual grasses, use 9–16 fl oz/A. For perennial grasses, use 12–16 fl oz/A. REI: 24 hours. PHI: 7 days.

Pyganic® Crop Protection EC 1.4_{II} and Pyganic® Crop Protection EC 5.0_{II} are OMRI Listed under MGK for organic production.



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[†]DiPel® DF Biological Insecticide Dry Flowable, Pyganic® Crop Protection EC 1.4_{II}, Pyganic® Crop Protection EC 5.0_{II} and XenTari® Biological Insecticide Dry Flowable are OMRI Listed and NOP compliant for organic production.

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