



Product Use Overview



BLUEBERRIES

| | Product | Key Problems / Uses | Product Benefits and Use Recommendations |
|---|--|--|--|
| Insecticides | Asana® XL Insecticide | Aphids (New Jersey only), blueberry maggot, cherry fruitworm (aids in control), grasshoppers, Japanese beetle, leafhoppers | 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. REI: 12 hours. PHI: 14 days. Asana is not labeled for use in California on blueberries. Asana is a restricted use pesticide. |
| | Danitol® 2.4 EC Spray | Blueberry maggot, cherry fruitworm, cranberry fruitworm, European red mite, Japanese beetle, obliquebanded leafroller, plum curculio, stink bug (except brown), two-spotted spider mite | Quick knock down of a broad spectrum of insects. Proven not to flare mites. Labeled rate range: 10 $\frac{2}{3}$ –16 oz/A. Use 16 oz/A where insect pressure is high. Make applications beginning when first pest activity is noticed and repeat as needed but not more often than every 14 days. 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® 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. |
| | 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 range: 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. <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. |
| | Senstar® Insecticide | Aphids, blueberry gall midge, cranberry tipworm, blueberry maggot, fruitworms, lecanium scale | With two effective modes of action, <i>Senstar</i> provides fast, long-lasting control of soft-bodied insects at all life stages, including eggs. Labeled rate range: 16–20 fl oz/A. REI: 24 hours. PHI: 7 day. Senstar is not labeled for use in California on blueberries. |
| 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. | |





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| Fungicide | Quash® Fungicide | Alternaria leaf spot, Anthracnose fruit rot, Botryosphaeria stem canker, Botrytis blight and fruit rot, leaf rust, mummy berry, Phomopsis canker, powdery mildew, Septoria leaf spot | <i>Quash</i> stops mummy berry and more, and offers preventive disease control. Apply when conditions favor disease development and prior to infection. Continue applications on a 7- to 14-day interval. Labeled rate: 2.5 oz/A. Do not make more than 3 applications per year. Do not apply more than 7.5 oz/A per year. Do not make more than 2 sequential applications before switching to a non-Group 3 fungicide for resistance management. REI: 12 hours. PHI: 7 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 range: 6–12 fl oz/A. REI: 12 hours. PHI: 7 days. See label for use restrictions in the Pacific Northwest. |
| | 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: 14 days (highbush). PHI: 45 days (lowbush). |
| Plant Growth Regulator | ProGibb® LV Plus Plant Growth Regulator Solution | To improve fruit set | Potential to overcome fruit set problems caused by insufficient pollination, adverse weather conditions or due to other physiological factors. Labeled rate range: 20–40 fl oz/A. REI: 4 hours. PHI: 0 days. <i>ProGibb</i> is not labeled for use in California on blueberries. |



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Always read and follow label instructions.

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



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