2018 Maine Wild Blueberry Pesticide Chart – 1 of 3

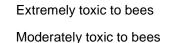


NOTE: THIS CHART IS NOT A SUBSTITUTE FOR READING AND FOLLOWING THE LABEL. It is unlawful to use any pesticide for other than the registered use. Read and follow the label on the product container. The user assumes all responsibility for use inconsistent with the label. Trade names are used for identification. No product endorsement is implied, nor is discrimination intended against similar materials. Cooperative Extension makes no warranty or guarantee of any kind concerning the use of these products. Check with your processor regarding PHI restrictions or MRL restrictions for export sales.



Extremely toxic to fish

Moderately toxic to fish





Extremely toxic to birds

Moderately toxic to birds



Extremely toxic to people

Moderately toxic to people

Spotted Wing Drosophila Control 🥬

0=Not Effective 1=Slightly Effective 2=Moderately Effective 3=Effective 4=Very Effective INSECTICIDES

| Toxicity | Insecticide | Al/Group | Rate/Acre | PHI | REI | Max/acre/yr | Notes |
|------------|---|--|--|------------------------------|---------------------------|--|--|
| ii A | Admire Pro Systemic Protectant 4.6F | imidacloprid <i>Group 4A</i> | Foliar 2.1 to 2.8 oz | Foliar 3 | 12 hrs | Foliar: 5 applications; 14 oz (0.5 lb ai) for all | Do not use prior to or during bloom. Highly toxic to bees if used as a foliar spray during bloom. Foliar : For sprout application during emergence of thrips and tip midge. Apply at least 7 days apart |
| | Asana XL 0.66EC | esfenvalerate Group 3 | 4.8 to 9.6 oz | 14 | 12 hrs | 38.4 oz (0.2 lb ai) | Do not apply within 7 days of pollination. |
| 2 | Assail 30 SG | acetamiprid <i>Group 4A</i> | 4.5 to 5.3 oz (SWD – 5.3 oz) | 1 | 12 hrs | 5 applications; 26.7 oz (0.5 lb ai); 2 consecutive applications | Do not apply more than once every 7 days Add 1 lb/a sugar to spray tank to enhance performance for SWD ONLY. |
| | Assail 70 WP | | 1.9-2.3 oz | | | 11.4 oz (0.5 lb ai) | |
| 1 | AzaGuard, AzaSol (Multiple products registered) | neem, azadirachtin Group unknown | Foliar 10-16 oz (see notes for exceptions) + COC 1% v/v (rates listed only for Azaguard) | only for Aza- guard | 4 hrs only for Aza- guard | None; 22.5 oz (20 g ai) per application only for Azaguard | Effective on SWD under low to moderate pressure; once SWD numbers build, switch to another product. When infestation is heavy or canopy dense, use up to 2x rate, not to exceed 22.5 oz/a/application. Use ½ rate when combining with other insecticides. Do not mix with highly alkaline products or exceed mix pH 7.Label recommends 2-3 applications at 7-10 day intervals. |
| | Bacillus thuringiensis, several formulations registered | Bacillus thuringiensis Group 11 | See label | check label | 4 hrs | | May use when bees are present. Most effective on small early instar blueberry spanworm larvae. This bio-insecticide is NOT effective against winter moth larvae. |
| ijij | BotaniGard ES | Beauveria bassiana Group M | ½ -1 qt | 0 | 4 hrs | none | Apply at 5-10 day intervals in the evening as sunlight destroys spores. Clean all fungicide residues from tank as they will destroy the <i>Beauvaria</i> spores and inactivate the product. |
| !!→ | Brigade WSB; 2EC | bifenthrin Group 3 | WSB - 16 oz 2EC - 2.1 to 6.4 oz (SWD) | 1 | 12 hrs | 0.5 lb ai | For SWD control only. Do not apply more than once every 7 days. Direct contact and exposure to residue during bloom is highly toxic to bees. |

| 4 | Delegate WG | spinetoram <i>Group 5</i> | 3 to 6 oz (3-6 oz SWD) | 3 | 4 hrs | 6 applications (3 for thrips); 19.5 oz (0.305 lb ai) | Do not apply more than once every 6 days, and no more than two consecutive applications of any Group 5 insecticide. Highly toxic to bees if sprayed or come into contact with wet treated foliage. If foliage is dry, toxicity is very low to bees. Do not rotate with spinosad products. |
|----------------|--|------------------------------|---|---|-----------|---|---|
| | Diazinon Several formulations registered | diazinon Group 1B | See label | 7 | 5 days | See label | Do not mix with any Captan product. See label for dilute vs. concentrated spray Make 1 st application when sprouts are 0.25-0.5 inch, 2 nd application when sprouts are 0.5-1 inch. Avoid applying when bees are present. |
| 3 | Entrust SC (OMRI expires 12/1/18) | spinosad Group 5 | 4 to 6 oz | 3 | 4 hrs | 6 applications, 3 for thrips 29 oz (0.45 lb ai total for all spinosad) | Allowed for Organic production. Toxic to bees up to 3 hrs following treatment. Once it dries on foliage, toxicity is LOW. Apply at least 6 days apart; after 2 nd application rotate to products other than Group 5. May be used with adjuvants. |
| | GF-120 NF Naturalyte Fruit Fly Bait (OMRI expires 12/1/18) | spinosad Group 5 | 10 to 20 oz 1:1.5 product to water ratio | 0 | 4 hrs | 5 applications; 0.45 lb ai total for all spinosad | Allowed for Organic production. Specialized application equipment is required. Apply every 7-14 days. Do not rotate with other Group 5 products. Toxic to bees if sprayed directly. |
| † † ₹ | Exirel | cyantraniliprole Group 28 | 13.5 to 20.5 oz | 3 | 12 hrs | 62 oz (0.4 lb ai) | For suppression of blueberry maggot fly. Rotate with products with different modes of action; minimum interval between treatments is 5 days. Direct contact and exposure to residue is toxic to bees. |
| 11 - A - A | lmidan 70-W | phosmet Group 1B | 1.3 lbs; aerial ULV 2 GPA water (1.3 lb SWD) | 3 | 3 days | 5 applications; 5 1/8 lb (3.63 lb ai) for all phosmet | Apply at 7-10 day intervals. Highly toxic to bees if sprayed or come into contact with treated foliage up to 7-10 days after spraying so do not spray 10-14 days PRIOR to bloom. |
| | Intrepid 2F | methoxyfenozide Group 18 | 10 to 16 oz | 7 | 4 hrs | 3 applications; 48 oz (0.75 lb ai) | Caterpillar control. Do not apply more than once every 7 days. Spreaders/binders may help maximize coverage. Can use just prior to bloom without detrimental effects on bees. Drift and runoff from applications of this product may be hazardous to sensitive aquatic invertebrates in water bodies adjacent to treatment area. |
| 11→ / * | Malathion (several formulations registered) | malathion Group 1B | See label | 1 | 12 hrs | See label | Minimum retreatment interval is 5 days. Apply at 10 day intervals for BMF. High runoff potential after application. Highly toxic to bees if sprayed directly. |
| 3 | Malathion 8F (24c expires 12/31/18) | | 2.5 pts SWD | | | 2 applications SWD (5 lb ai) | 7 day minimum intervals for SWD. Potential for phytotoxicity at reduced rates. See label for dilute vs. concentrated spray. Highly toxic to bees if sprayed directly. See 24C label for SWD control. |
| A * | Montana 2F | imidacloprid Group 4A | Foliar 4.8 to 6.4 oz | 3 | 12 hrs | Foliar 5 applications; 32 oz (0.5 lb ai) for all | Foliar: Apply at least 7 days apart. Rotate to another mode of action after 3 applications. Do not apply foliar after applying a soil application of any Group 4A product. Avoid prior to and during |
| <i>9</i> ₹2 | Montana 4F | | Foliar 2.4 to 3.2 oz | | | Foliar 5 applications;16 oz (0.5 lb ai) | bloom. Highly toxic to bees. Sprout application during emergence for thrips; make 1 st application when sprouts are 0.25-0.5 inch, 2 nd application when sprouts are 0.5-1 inch. |

| İİ→ | Mustang Maxx | zeta-cypermethrin Group 3 | 4 oz (4 oz SWD) | 1 | 12 hrs | 24 oz (0.15 lb ai) | Apply at least 7 days apart. See 2ee labels for BMF (suppression only) and SWD. Direct spray and residue is highly toxic to bees, do not use prior or during bloom. |
|------------|--|------------------------------|--------------------|---|--------|---------------------------|---|
| 2 | Sevin Several formulations registered | carbaryl Group 1A | See label | 7 | 12 hrs | 5 applications; 10 qts | Do not apply more than once every 7 days. Do not apply during bloom or just prior to bloom; high toxicity to bees. Avoid irrigation for 48 hrs post-application. Flea beetle adults only. |
| İ | Sivanto 200 SL | Flupyradifurone Group 4D | 10.5 to 14 oz | 3 | 4 hrs | 28.0 oz (0.365 lb ai). | Apply at least 7 days apart. See 2ee label for thrips. Human dermal toxicity is moderate. |

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