

Permanent and Emergency use registrations for spotted wing drosophila control on stone fruit and grapes in British Columbia (¹Emergency registrations are valid from June 1, 2016 until November 30, 2016).

Check MRL requirements for fruit exports. Tighten up spray intervals close to harvest. Rotate Group 5 insecticides with other groups for resistance management.

| Trade Name (active ingredient) | Group | Registered Crop | Rate | Maximum Number of Sprays | Pre-harvest Interval (days) | Worker Re-entry | Label Spray Interval (days) | Other Pests Controlled | Precautions and Notes |
|---|-------|-------------------------------------|-------------------------------------|------------------------------------|--|------------------------------------|-----------------------------|---|---|
| Delegate (spinetoram) | 5 | Stone fruit | 420 g/ha (170 g/acre) | 3 | 5 (cherry) 3 (prune, plum, apricot) 1 (peach, nectarine) | 12h | 7 | Leafrollers Cherry fruit fly | Suggested label spray timings for 3 applications on cherries are 30, 12, and 5 days before harvest. |
| Entrust (spinosad) | 5 | Stone fruit | 364 mL/1000 L water/ha | 3 | 3 (cherry) | dry | see notes | Leafrollers Cherry fruit fly, Peach twig borer | Suggested label spray timings for 3 applications on cherries are 28, 10, and 3 days before harvest. Entrust is allowed in organic production. |
| | | | | | 1 (peach, nectarine) | dry | 7 - 10 | | |
| | | | | | 3 (plum, prune, apricot) | dry | 7 - 10 | | |
| Success (spinosad) | 5 | Stone fruit | 182 mL/1000 L water/ha | 3 | 3(cherry) | dry | see notes | Leafrollers Peach twig borer | Suggested label spray timings for 3 applications on cherries are 28, 10, and 3 days before harvest. |
| | | | | | 1 (peach, nectarine) | dry | 7 - 10 | | |
| | | | | | 3 (plum, prune, apricot) | dry | 7 - 10 | | |
| Exirel (cyantraniliprole) | 28 | Stone fruit | 1000 - 1500 mL/ha (405- 607mL/acre) | 4 | 3 | 12 h | 7 | Aphids Leafrollers Cherry fruit fly | Do not tank mix with Flint, Pristine, Cabrio, Copper or Captan fungicides. |
| ¹ Malathion 85 E (malathion) | 1B | Stone fruit | 610-855 mL/ 1000 L water / ha | 2 | 3 | 12 h | 7 - 10 | Aphids | May be effective for 5 days. May cause leaf drop or fruit finish problems on cherries, particularly when hot, or in lower water volumes. More effective above 20°C. |
| | | Grape | 880 mL/ 1000 L water / ha | 1 | 3 | 12 h - 3 days (see label) | | | |
| ¹ Mako Insecticide (cypermethrin) Formerly known as Ripcord | 3 | Stone fruit | 150 mL/ha (61 mL/acre) | 1 | 2 | 12 h | | | Suppression of SWD. Short residual (3-5 days) when temperatures are above 25°C. May cause mite flare-ups. |
| | | Grape | 150 mL/ha (61 mL/acre) | 1 | 2 (mechanical harvest) 6 (hand harvest) | 12 h -14 days (see label) | | | |
| Imidan 70 WP (phosmet) | 1B | Stone fruit (except sweet cherries) | 2.68 kg/ha (1.08 kg/ac) | 4 (sour cherry, peach) 3 (plum) | 7 (sour cherry) 14 (peach, plum) | 3 (sour cherry) 7 (peach, plum) | | Peach twig borer, Cherry fruit fly | Use a spray interval of 7-10 days. Phytotoxic to sweet cherries. |
| | | Grape | 2.2 kg/ha (0.9 kg/ac) | 3 | 14 | 14 | | | Use a spray interval of 7-10 days. |

¹Emergency registrations

The products below are not registered for spotted wing drosophila control in Canada, but are registered for other insects.

| Trade Name (active ingredient) | Group | Registered Crop | Maximum Number of Sprays | Pre- harvest Interval (days) | Worker Re-entry | Pest(s) Controlled | Precautions and Notes |
|---|-------|--------------------|--------------------------------|---------------------------------------|--------------------|----------------------------|---|
| Cygon 480 EC / Lagon 480 E (dimethoate) | 1B | Cherry | 1 | 21 | 24 h* | Cherry fruit fly Aphids | Effective on SWD adults. Some systemic activity against SWD eggs and larvae. Phytotoxic to some cherry varieties, particularly Lapins. |
| Diazinon 50 WSP (diazinon) | 1B | Cherry | | 10 | 4 days | Cherry fruit fly Aphids | Effective on SWD. Label spray interval is 10 days, but may be effective on SWD for less than 10 days. ONLY registered on cherries. Last date of use is December 31, 2016. |

Note: **Admire, Assail, GF-120** and **Sevin** registered for other pests will NOT control spotted wing drosophila.

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