

**Permanent and Emergency use registrations for spotted wing drosophila control on stone fruit and grapes in British Columbia (<sup>1</sup>Emergency 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
<b>Delegate (spinetoram)</b>	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.
<b>Entrust (spinosad)</b>	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		
<b>Success (spinosad)</b>	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		
<b>Exirel (cyantraniliprole)</b>	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.
<sup>1</sup> <b>Malathion 85 E (malathion)</b>	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)			
<sup>1</sup> <b>Mako Insecticide (cypermethrin) Formerly known as Ripcord</b>	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)			
<b>Imidan 70 WP (phosmet)</b>	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.

<sup>1</sup>Emergency 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
<b>Cygon 480 EC / Lagon 480 E (dimethoate )</b>	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.
<b>Diazinon 50 WSP (diazinon)</b>	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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