

Registered products for spotted wing drosophila control on stone fruit and grapes in British Columbia

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	Label spray timings for 3 applications on cherries are 30, 12, and 5 days before harvest.
Entrust (spinosad)	5	Stone fruit	364 mL/ha (147 mL/acre)	3	3 (cherry)	dry	see notes	Leafrollers Cherry fruit fly, Peach twig borer	Label spray timings for 3 applications of spinosads on cherries are 28, 10, and 3 days before harvest. Rotate Group 5 insecticides with other groups for resistance management. 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/ha (74 mL/acre)	3	3(cherry)	dry	see notes	Leafrollers Peach twig borer	Label spray timings for 3 applications of spinosads on cherries are 28, 10, and 3 days before harvest. Rotate Group 5 insecticides with other groups for resistance management. Entrust is allowed in organic production.
					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.
Harvanta (cyclaniliprole)	28	Stone fruit	1.2 - 1.6 L/ha (485 – 647 mL/ac)	3	7	12 h	7	Leafrollers Cherry fruit fly, Peach twig borer	Rotate with different groups for resistance management. Toxic to bees.
Malathion 85 E (malathion)	1B	Stone fruit	610 - 855 mL/1000 L water / ha (247 - 346 mL/405 L water/acre)	2 (apricot) 1 (other stone fruit)	3 (cherry, plum) 7 (other stone fruit)	12 h	10 (apricot)	Aphids	May be effective for 5 days. May cause leaf drop or fruit finish problems on cherries, particularly when hot, or in low water volumes. Works better at temperatures above 20°C.
Mako Insecticide (cypermethrin) Formerly known as Ripcord	3	Cherry	150 - 175 mL/ha (61 - 71 mL/acre)	2	2	12 h	7	European paper, yellow jacket wasps	Suppression of SWD. Short residual (3-5 days) when temperatures are above 25°C. May cause mite flare-ups.
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. DO NOT use on sweet cherries.
		Grape	2.2 kg/ha (0.9 kg/ac)	3	14	14			Use a spray interval of 7-10 days.

The product below is not registered for spotted wing drosophila control in Canada, but is 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 45 (export cherries)	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 and varieties with Lapins parentage.

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

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