Activity of Insecticides on Stone Fruit Pests, 2018

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The table below provides information on the relative activity of insecticides and miticides labelled on stone fruit in Ontario. The ratings are a result of the review of various U.S. extension publications, scientific journal articles, Canadian Pest Management Research Reports, and Arthropod Management Reports (ESA).

Ratings in shaded cells indicate the disease is listed on the product label for control or suppression. Please see the product label or crop calendars for registered uses. Use insecticide only for the crop and pest combinations listed on the product label. Additional information is provided in this table to assist the grower in choosing the best insecticide for the pests listed on the product label.

Honeybee Toxicity: HT = highly toxic; MT = moderately toxic; NT = not toxic

Bold underline = additions for 2018

E = Emergency use t = tart cherry only gpa = green peach aphid

Potentially organic = check with certified to confirm that product is acceptable.

Group	Product name	Honeybee Toxicity	Oriental fruit moth	Plum curculio	Tarnished plant bug	Oblique banded leafroller	Japanese beetle	Aphids	Cherry fruit fly	Spotted wing drosophila	Mites	Registered for use on:					Potentially organic
												Apricots	Cherries	Peaches	Nectarines	Plums	
1B	Imidan WP	HT	2	4	2	2	3	1	2	3	1	X	t	✓	X	✓	X
1B	Malathion 85E	HT	2	3	1	1	3	1	2	**3E**	1	✓	✓	✓	✓	✓	X
3	Ambush 500 EC	HT	4	2	3	4	3	0	2	3	0	X	X	✓	✓	✓	X
3	Decis 5 EC	HT	3	1	3	3	0	1	—	3	0	X	X	✓	✓	X	X
3	Mako	HT	3	3	3	4	3	2	2	**3E**	0	X	X	✓	✓	X	X
3	Matador 120 EC	HT	3	3	3	4	3	2 gpa	2	3	0	X	✓	✓	✓	✓	X
3	Perm-Up EC	HT	4	2	2	4	3	2	—	3	0	X	X	✓	✓	✓	X
3	Pounce 384 EC	HT	4	2	2	4	3	2	—	3	0	X	X	✓	✓	✓	X
3	Silencer 120 EC	HT	3	3	3	4	3	2 gpa	2	3	0	X	✓	✓	✓	✓	X
3	Up-Cyde 2.5 EC	HT	3	3	3	4	3	2	2	3	0	X	X	✓	✓	✓	X
4A	Actara 25 WG	HT	0	3	3	0	1	3	0	1	0	X	✓	X	X	X	X
4A	Admire 240 F	HT	0	0	1	0	1	3	3	0	0	✓	✓	✓	✓	✓	X
4A	Assail 70 WP	MT	4	1-2	2	1	2	4	1	1	0	✓	✓	✓	✓	✓	X
4A	Clutch 50 WDG	HT	3	3	—	—	2	4	—	—	0	✓	✓	✓	✓	✓	X
4C	Closer	HT	0	0	0	0	0	3	0	—	0	✓	✓	✓	✓	✓	X
4C+5	TwinGuard	MT	4	2	0	4	0	3	0	3-4	0	✓	✓	✓	✓	✓	X

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4D	Sivanto Prime	MT	—	—	—	—	—	4	—	—	—	✓	✓	✓	✓	✓	X
5	Delegate	HT	4	2	0	4	0	0	0	3-4	0	✓	✓	✓	✓	✓	X
5	Entrust	HT	1	0	0	3	0	0	3	3	0	✓	✓	✓	✓	✓	✓
5	GF-120 Fruit Fly Bait	HT	—	0	0	0	0	0	3	0	0	X	✓	X	X	X	✓
5	Success	HT	1	0	0	3	0	0	3	3	0	✓	✓	✓	✓	✓	X
10	Apollo SC	NT	0	0	0	0	0	0	0	0	3E	X	X	✓	✓	X	X
11	Bioprotec CAF	NT	1	0	0	3	0	0	0	0	0	✓	✓	✓	✓	✓	✓
11	Dipel 2X DF	NT	1	0	0	3	0	0	0	0	0	✓	✓	✓	✓	✓	✓
11	**XenTari WG**	**NT**	**1**	**0**	**0**	**2**	**0**	**0**	**0**	**0**	**0**	**✓**	**✓**	**✓**	**✓**	**✓**	**X**
15	Rimon 10 EC	MT[2]	4	0	4	4	0	0	0	1	0	✓	✓	✓	✓	✓	X
18	Intrepid	NT	3 1st gen	0	0	3	0	0	0	0	0	✓	✓	✓	✓	✓	X
21	Nexter	HT	0	0	0	0	0	0	0	0	3-4	X	✓	✓	✓	X	X
23	Envidor 240 SC	MT	0	0	0	0	0	0	0	0	4	✓	✓	✓	✓	✓	X
23	Movento 240 SC	HT	0	0	0	0	0	4	0	1	0	✓	✓	✓	✓	✓	X
28	Altacor	NT	4	1	1	4	1	0	0	0	0	✓	✓	✓	✓	✓	X
28	Exirel	HT	4	4	3	4	3	3	3	3	0	✓	✓	✓	✓	✓	X
28	**Harvanta 50 SL**	**NT**	**4**	**2**	**0**	**4**	**0**	**0**	**4**	**3-4**	**0**	**✓**	**✓**	**✓**	**✓**	**✓**	**X**
29	Beleaf 50 SG	NT	0	0	2	0	0	3	0	0	0	✓	✓	✓	✓	✓	X
NC	**Kopa Insecticidal Soap**	**NT**	**0**	**0**	**0**	**0**	**0**	**2**	**0**	**0**	**3**	**✓**	**✓**	**✓**	**✓**	**✓**	**✓**
NC	Purespray Green Spray Oil 13 E	NT	0	0	0	0	0	2	0	0	4	✓	✓	✓	✓	✓	✓
NC	Vegol Crop Oil	NT	0	0	0	0	0	2	0	0	3	✓	✓	✓	✓	✓	✓