

Table 1. Insecticides for Blueberries, Strawberries, Caneberries, Grapes and Stone Fruit for Spotted Wing Drosophila

Active Ingredient	Trade name ¹	IRAC code	Blueberry		Caneberry		Strawberry		Grapes		Stone Fruit		Probable Efficacy
			PHI (days)	REI	PHI (days)	REI	PHI (days)	REI	PHI (days)	REI	PHI (days)	REI	
Carbaryl	Sevin	1A	7	12 hrs	7	12 hrs	7	12 hrs	7	12 hrs	3	12 hrs	Good
Diazinon	Diazinon	1B	7	5 days	7	5 days	5	3 days	Not labeled	Not labeled	21	4 days	Excellent
Malathion	Malathion	1B	1	12 hrs	1	12 hrs	3	12 hrs	3	24-72 hrs	1 or 3	12 hrs	Excellent
Methomyl	Lannate	1A	3	48 hrs	Not labeled	Not labeled	Not labeled	Not labeled	Not labeled	Not labeled	Not labeled	Not labeled	Excellent
Phosmet	Imidan	1B	3	24 hrs	Not labeled	Not labeled	Not labeled	Not labeled	Not labeled	Not labeled	7	3 day	Good
Bifenthrin	Brigade	3	1	12 hrs	3	12 hrs	0	12 hrs	Not labeled	Not labeled	Not labeled	Not labeled	Excellent
Esfenvalerate	Asana	3A	14	12 hrs	7	12 hrs	Not labeled	Not labeled	Not labeled	Not labeled	14	12 hrs	Excellent
Fenpropathrin	Danitol	3	3	24 hrs	3	24 hrs	2	24 hrs	21	24 hrs	3	24 hrs	Excellent
Pyrethrin	Pyganic*	3A	0	12 hrs	0	12 hrs	0	12 hrs	0	12 hrs	0	12 hrs	Good
Zeta-cypermethrin	Mustang Max	3	1	12 hrs	1	12 hrs	Not labeled	Not labeled	1	12 hrs	14	12 hrs	Excellent
Imidacloprid & cyfluthrin	Leverage 360 & 2.7	4A, 3	Not labeled	Not labeled	Not labeled	Not labeled	Not labeled	Not labeled	3	12 hrs	7	12 hrs	Excellent
Actamiprid	Assail	4A	1	12 hrs	1	12 hrs	1	12 hrs	7	12 hrs	7	12 hrs	Fair
Imidacloprid	Provado ^{††}	4A	3	12 hrs	3	12 hrs	7	12 hrs	0	12 hrs	0-7	12 hrs	Fair
Thiamethoxam	Actara	4A					3	12					
Spinetoram	Delegate	5	3	4 hrs	1	4 hrs	Not labeled	Not labeled	7	4 hrs	7	4 hrs	Excellent
Spinetoram	Radiant	5	Not labeled	Not labeled	Not labeled	Not labeled	1	4 hrs	Not labeled	Not labeled	Not labeled	Not labeled	Excellent
Spinosad	Entrust*, ^{††}	5	3	4 hrs	1	4 hrs	1	4 hrs	7	4 hrs	1 - 14	4 hrs	Good/Exc
Pyriproxyfen	Esteem	7	7	12 hrs	Not labeled	Not labeled	2	12 hrs	21	12 hrs	14	12 hrs	Fair/Good

*OMRI listed

^{††} Stone Fruit: there are different PHI depending on specific stone fruit crop, check label before using

PHI= pre-harvest interval; time between last application and harvest

REI= re-entry interval; time between application and when workers may re-enter the field

Probable ratings based on lab and field assays in western USA and Michigan

Adapted from chart developed by M. Conklin (UConn Extension) and R. Cowles (CT Ag Exp. Sta)