

Insecticide	Chemical class	Activity	Longevity	PHI (d)	REI	Beetles	'Hoppers	GBM	Nat. Enem. Tox
Sevin	Carb	C	**	7	12 h	***	***	**	Toxic
Imidan	OP	C	***	14	14 days	***	**	***	Moderate
Danitol	Pyrethroid	C	**	21	24 h	***	****	**	T
Brigade/Capture	Pyrethroid	C	**	30	12 h	***	****	**	T
Mustang Max	Pyrethroid	C	**	1	12 h	***	****	**	T
Baythroid	Pyrethroid	C	**	3	12 h	***	****	**	T
Intrepid	Growth Reg.	I	****	30	4 h	-	-	***	Safe
Delegate	Spinosyn	C, I	**	7	4 h	*	*	***	M
SpinTor/Entrust▲	Spinosyn	C, I	**	7	4 h	-	*	**	M
Avaunt	Oxadiazine	C, I	**	7	12 h	**	*	**	M
Altacor	Diamide	C, I	***	14	4 h	***	*	***	M
Verdepryn	Diamide	C, I	***	7	4 h	**	-	***	M
Admire Pro	Neonicotinoid	S, I	****	30	12 h	**	***	-	M
Platinum	Neonicotinoid	S, I	****	60	12 h	**	***	-	M
Venom, Scorpion	Neonicotinoid	S, C, I	****	1	12 h	***	****	**	M
Assail	Neonicotinoid	S, C, I	***	7	12 h	***	***	-	M
Actara	Neonicotinoid	S, C, I	****	5	12 h	***	***	**	M
Belay	Neonicotinoid	S, C, I	****	0	12 h	***	****	**	M
Sivanto Prime	Butenolide	S, C, I	***	0, 30	4 h	**	***	-	M
<i>B.t. Javelin, DiPel, etc.</i> ▲	Biological	I	*	0	4 h	-	-	**	S
Neem▲	Biological	C, I	*	0	12 h	**	**	**	M
Pyganic▲	Pyrethrum	C	*	0	12 h	**	*	*	M
Evergreen	Pyrethrum	C	*	0	12 h	***	*	*	M
Grandevo▲	Biological	C, I	**	0	4 h	**	*	**	S
Venerate▲	Biological	C, I	*	0	4 h	**	*	**	S
Leverage 360	Neonic+Pyreth	S, C, I	****	3	12 h	***	***	***	M
Voliam Flexi	Neonic+Diamide	S, C, I	****	14	12 h	***	***	***	M
Brigadier	Neonic+Pyreth	S, C, I	****	30	12 h	***	***	***	T
Gladiator	Pyrethroid+IGR	C, I	**	28	12h-4d	***	**	***	T
Tourismo	Diamide+IGR	C, I	***	7	12 h	**	**	***	M
Intrepid Edge	IGR + Spinosyn	C, I	****	30		-	-	***	M
Movento	Tetramic acid	S, C, I	***	7	24 h		<i>phylloxera control</i>		M

▲ Organic insecticide

**Alternate chemical classes
to minimize resistance**

S = systemic locally or through vine
C = contact activity, usually nerve poison
I = ingestion needed for best activity

Longevity ratings
* = 3-5 days ** = 7 days
*** = 7-10 days **** = 10-14

Updated Spring 2022 by
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