

Brown Marmorated Stink Bug Pesticide Options: Apple & Pear

USDA & University Research Data

Comments	Product	Active ingredient	IRAC Code	Rate per Acre	REI (hrs)	PHI (days)	Efficacy	Max/crop/season	Application interval
	Actara	Thiamethoxam	4A	4.5-5.5 oz	12	35	***	16.5 oz/A (0.258 lb ai/A)	10 days
	Asana XL	Esfenvalerate	3A	4.8-14.5 fl. oz	12	21	**	101 fl. oz/A (0.525 lb ai/A)	NA
	Baythroid XL	Beta-Cyfluthrin	3A	1.4-2.8 fl. Oz	12	7	**	2.8 fl. oz/A (0.022 lb ai/A)	14 days
	Belay	Clothianidin	4A	6 fl oz	12	7	***	12 fl oz/A (0.2 fl oz ai/A)	
Pear only	Bifenture EC	Bifenthrin	3A	6.4-12.8 fl oz/A	12	14 pear	***	32 oz/A (0.50 lbs/A)	30 days
Pear only	Brigade	Bifenthrin	3A	6.4-32 oz/A	12	14 pear	***	80 oz/A (0.50 lbs/A)	30 days
	Danitol 2.4 EC	Fenpropathrin	3A	10.66-21.33 fl. Oz	24	14	***	42.56 fl. oz/A (0.80 lbs ai/A)	10 days
	Endigo ZC	Thiamethoxam/ Lambda-cyhalothrin	3A/4A	5-6 fl. Oz	24	35	****	check label	10 days
	Gladiator	Zeta-Cypermethrin	3A/6	14-19 fl oz	12	28	***	38 fl oz/A	21 days
1, Apple	Lannate LV	Methomyl	1A	1.5-3 pts	72 apple	14	****	15 pts	7 days
1, Pear	Lannate LV	Methomyl	1A	1.5-3 pts	48 pear	7	****	6 pts	7 days
1, Apple	Lannate 90SP	Methomyl	1A	0.5 - 1 lbs	72 apple	14	****	5.0 lbs/A	7 days
1, Pear	Lannate 90SP	Methomyl	1A	0.5 - 1 lbs	48 pear	7	****	2.0 lbs/A	7 days
	Leverage 360	Beta-Cyfluthrin/ Imidacloprid	4A/3	2.4-2.8 fl.oz	12	7	***	2.8 fl. oz/A	14 days
	Surround 95WP	Kaolin clay	NA	25-50 lbs	4	0	*	NA	0 days
	Voliam Flexi	Thiamethoxam/ Chlorantraniliprole	4A/28	6-7 oz	12	35	***	16 oz	10 days
	Voliam Xpress	Lambda-cyhalothrin/ Chlorantraniliprole	3A/28	6-12 fl. Oz	24	21	***	31.0 fl. oz/A	10 days
1, Not NH	Vydate 2L	Oxamyl	1A	4-8 pts	48	14	**	281 fl. oz/A (128oz ai/A)	7 days
2	Warrior	Lambda-cyhalothrin	3	2.56-5.12 fl.oz	24	21	**	20.48 fl. oz/A (0.28 lb ai/A)	5 days
2	Warrior II	Lambda-cyhalothrin	3	1.28-2.56 fl.oz	24	21	**	10.24 fl. oz/A (0.28 lb ai/A)	5 days

** low efficacy to **** high efficacy

This chart is NOT a substitute for a pesticide label. ALWAYS read the label BEFORE purchasing and applying the pesticide.

Comments

1. Although these materials have excellent topical ratings in lab bioassay studies, field efficacy studies have shown economic fruit injury from BMSB feeding, suggesting low residual levels.

2. Post-bloom applications

Chart updated August 21, 2019 by Mary Concklin, UConn