Table 1. Efficacy of various insecticides against BMSB adults during direct contact laboratory bioassay. Penn State FREC, 2011.

Active ingredient	Product/rate tested	% direct mortality after 24/72 hr *	Number of applications /season **	Comments ***
acetamiprid *(IRAC 4A)*	Assail 6 oz	**87/87**	SF-4 app, PF-4 app	7 days PHI on SF and PF
clothianidin *(IRAC 4A)*	Belay 6 oz	**100/100**	Peach -2 app, PF-2 app	Not registered on nectarines
imidacloprid *(IRAC 4A)*	Admire Pro 7oz	**82/87**	SF-1 app, PF-1 app	21 days PHI on SF and PF
	Leverage 360 2.8 oz **(mix)**	**95/93**	SF-1 app, PF-1 app	7 days PHI on SF and PF, includes beta-cyfluthrin
thiacloprid *(IRAC 4A)*	Calypso 8 fl oz	**58/52**	PF-2 app	Not registered on stone fruit
thiamethoxam *(IRAC 4A)*	Actara 4.0oz	**92/97**	SF-2 app, PF-3 app	No more than 0.25 lb AI per season on pome fruit/ 0.17 lb AI on stone fruit
	Endigo 5 oz **(mix)**	**98/100**	SF-3 app, PF-4 app	See comments for Actara and Warrior
	Voliam Flexi 6 oz **(mix)**	**100/100**	SF-2 app, PF-2app	See comments for Actara
methomyl *(IRAC 1A)*	Lannate SP 16 oz	**92/98**	Peach-6 app, nectarine-3 app, Apple – 5 app	Strong rate response
	Lannate LV 3 pt	**87/92**	Peach-6 app, apple 5 app	Not registered on nectarines
oxamyl *(IRAC 1A)*	Vydate 6 pt	**68/73**	Apple 1 app	Thinning caution
fenpropathrin *(IRAC 3)*	Danitol 16 oz	**95/82**	SF-2 app, PF- 2 app	3 days PHI on SF, 14 day PHI on PF
lambda-cyhalothrin *(IRAC 3)*	Warrior II 2.5 oz	**73/72**	SF-4 app, PF-4app	No more than 0.16 lb AI per season
	Lambda-Cy 4.4 oz	**52/40**	SF-5 app, PF-5 app	No more than 0.16 lb AI per season
	Voliam Xpress 10 fl oz **(mix)**	**40/40**	SF-4 app, PF-4 app	See comments on Warrior
	Endigo 5 oz **(mix)**	**98/100**	SF-3 app, PF-4 app	See comments on Actara and Warrior
endosulfan *(IRAC 2A)*	Thionex 2 lb	**52/98**	SF- 2 app, PF- 3 app	Processing fruit restrictions!
dinotefuran *(IRAC 4A)*	*Scorpion 35 SL 5 oz*	**97/98**	*Section 18 emergency registration pending*	
	Venom 3 oz	**93/98**		