

TABLE 2-25. RELATIVE EFFECTIVENESS OF INSECTICIDES AND MITICIDES FOR INSECT AND MITE CONTROL ON FIELD-GROWN VEGETABLES.

Not all insecticides listed below are registered on all vegetable crops. Refer to the label before applying to a specific crop. Ratings are based on a consensus of vegetable entomologists in the southeastern United States.

(“E” very effective; “G” effective; “F” somewhat effective; “-” ineffective or insufficient data)

Chemical class (IRAC)	Common name	Example Product	Flea Beetle	Colorado potato beetle*	Cucumber beetles	Corn earworm*	European corn borer	Fall armyworm	Cabbage looper	Imported cabbageworm	Diamondback moth*	Squash vine borer	Beet armyworm*	Stinkbugs/Harlequin bug	Squash bug	Aphids*	Thrips	Western Flower Thrips*	Leafminer	Maggots	Whiteflies*	Cutworms	Wireworms	White grubs	Spider mites*
1A	carbaryl	Sevin	E	F	G	F	G	F	F	G	F	F	-	-	-	-	F	-	-	-	-	F	-	-	-
	methamidophos	Monitor	F	-	-	G	F	F	G	-	-	-	F	G	-	E	E	G	G	-	-	-	-	-	-
	methomyl	Lannate	F	-	-	G	G	G	G	G	G	-	F	G	G	F	E	G	F	-	F	-	-	-	-
	oxamyl	Vydate	F	F	F	-	-	-	-	-	-	-	-	F	F	G	G	F	-	-	F	-	-	-	-
1B	malathion	Malathion	G	F	G	F	F	F	F	G	F	F	-	F	F	F	F	-	-	F	-	F	-	-	-
	chlorpyrifos	Lorsban	-	-	-	F	F	F	F	G	F	-	-	-	-	-	F	-	-	E	-	G	G	G	-
	acephate	Orthene	-	-	-	F	E	G	F	G	-	-	-	-	-	G	G	-	F	-	F	G	-	-	-
	diazinon	Diazinon	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	G	-	F	G	F	-
	dimethoate	Dimethoate	G	-	F	-	-	-	-	-	-	-	-	G	F	E	E	F	G	-	-	-	-	-	-
3	permethrin	Pounce	G	F	G	G	G	F	G	E	F	E	-	F	G	F	F	-	F	-	-	G	-	-	-
	alpha cypermethrin	Fastac	E	F	E	G	E	G	G	E	F	E	-	F	G	F	F	-	F	-	-	G	-	-	-
	zeta cypermethrin	Mustang Max	E	F	E	G	E	G	G	E	F	E	-	F	G	F	G	-	F	-	-	E	-	-	-
	cyfluthrin	Baythroid/Renounce	G	F	G	G	G	F	G	E	F	E	-	F	G	F	F	-	F	-	-	E	-	-	-
	lambda cyhalothrin	Karate	E	F	E	G	E	G	G	E	F	E	-	F	G	F	G	-	F	-	-	E	-	-	-
	esfenvalerate	Asana XL	G	G	G	G	G	F	G	E	F	G	-	F	F	F	F	-	F	-	-	G	-	-	-
	gamma cyhalothrin	Proaxis	E	F	E	G	E	G	G	E	F	E	-	F	G	F	G	-	F	-	-	E	-	-	-
	fenpropathrin	Danitol	G	-	G	G	G	F	F	E	F	G	-	F	G	F	F	-	F	-	F	G	-	-	F
	bifenthrin	Brigade	E	F	E	G	G	F	F	E	F	E	-	G	G	F	G	-	F	F	F	E	G	F	F
4A	imidacloprid	Admire	E	G	E	-	-	-	-	-	-	-	-	F	G	E	G	-	-	G	G	-	F	G	-
	acetamiprid	Assail	G	E	G	-	-	-	-	-	-	F	-	F	F	E	G	-	-	-	G	-	-	-	-
	clothianidin	Belay	E	E	G	-	-	-	-	-	-	-	-	-	-	G	-	-	F	G	-	-	F	G	-
	thiamethoxam	Platinum/Actara	E	G	G	-	-	-	-	-	-	-	-	G	G	E	F	-	F	G	G	-	F	F	-
4C	dinotefuran	Venom/Scorpion	E	E	G	-	-	-	-	-	-	-	-	E	E	F	G	-	F	-	G	-	-	-	-
	sulfoxaflor	Closer	-	-	-	-	-	-	-	-	-	-	-	F	-	E	-	-	-	-	-	-	-	-	-
5	spinosad	Blackhawk/Entrust	-	E	-	G	G	G	G	E	G	G	G	-	-	-	G	G	E	-	-	F	-	-	-
	spinetoram	Radiant	-	E	-	E	E	G	G	E	G	G	G	-	-	-	E	G	E	-	-	F	-	-	-
6	emamectin benzoate	Proclaim	-	-	-	G	G	G	E	E	E	G	E	-	-	-	-	-	F	-	-	F	-	-	-
	abamectin	Agri-Mek	-	E	-	-	-	-	-	-	-	-	-	-	-	-	G	F	E	-	-	-	-	-	E
7C	pyriproxyfen	Knack/Distance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	G	-	-	-	-
9B	pymetrozine	Fulfill	-	-	-	-	-	-	-	-	-	-	-	-	-	E	-	-	-	-	F	-	-	-	-
9C	flonicamid	Beleaf	-	-	-	-	-	-	-	-	-	-	-	-	-	E	-	-	-	-	-	-	-	-	-
10	etoxazole	Zeal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	G
11	Bt	Dipel, various	-	-	-	F	F	F	G	E	G	F	F	-	-	-	-	-	-	-	-	-	-	-	-
15	novaluron	Rimon	-	E	-	E	E	E	G	E	F	G	E	F	F	-	G	G	G	-	G	-	-	-	-
16	buprofezin	Courier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	G	-	-	-	-
17	cyromazine	Trigard	-	G	-	-	-	-	-	-	-	-	-	-	-	-	-	-	E	-	-	-	-	-	-
18	methoxyfenozide	Intrepid	-	-	-	G	G	E	E	E	F	G	E	-	-	-	-	-	-	-	-	-	-	-	-
20B	acequinocyl	Kanemite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	E
21	fenpyroximate	Portal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	G
22	indoxacarb	Avaunt	F	G	F	E	G	G	E	E	G	G	E	-	-	-	-	-	F	-	-	F	-	-	-
23	spiromesifen	Oberon	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F	-	-	-	F
	spirotetramat	Movento	-	-	-	-	-	-	-	-	-	-	-	-	-	G	-	-	-	-	G	-	-	-	-
25	cyflumetofen	Nealta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	G
28	chlorantraniliprole	Coragen	-	E	-	E	E	E	E	E	E	G	E	-	-	-	F	-	E	-	G	-	-	-	-
	cyantraniliprole	Verimark/Exirel	G	E	-	E	E	E	E	E	E	G	E	-	-	G	F	F	E	-	G	-	-	-	-
	flubendiamide	Belt	-	G	-	E	E	G	E	E	E	G	E	-	-	-	-	-	F	-	-	-	-	-	-
UN	bifenazate	Acramite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	E

*Denotes that insecticide-resistant populations may occur in some areas and can affect the performance of insecticides.