

Recommended Insecticides for Common Greenhouse Pests on Vegetables, Herbs, and Leafy Greens

Recommended Insecticides for Common Greenhouse Pests				Herbs, Ornamentals and Vegetables Commonly Grown in Greenhouses on the Chemical Label												Common Greenhouse Pests and Recommended Insecticides						
Product Name	Active ingredient	Formulation (%)	Oral LD50 (mg/kg)	Ornamentals	Cabbage	Cucumber	Eggplant	Garlic	Leek	Lettuce	Mint	Onion	Peppers	Squash	Tomatoes	Herbs	Aphids	Fungus Gnats	Spider mites	Whitefly	Thrips	
Acephate 97	acephate	97	688-1127																			
Actara	thiamethoxam	25	>5000																			
Agri-Mek SC	abamectin	8	300																			
Akari	fenpyroximate	5	>5000																			
Ambush 25W	permethrin	25	>5000																			
Asana XL	esfenvalerate	8.4	458																			
Aza-direct	azadirachtin	1.2	>5000																			
AzaGaurd	azadirachtin	3	>5000																			
Azatin XL	azadirachtin	3	4242																			
Baythroid	cyflutrin	12.7	647-695																			
Beleaf 50SG	flonicamid	50	>2000																			
Bifenthrin 2EC AG	bifenthrin	25.1	>250																			
Bifenture EC	bifenthrin	25.1	262																			
Botanigard ES	<i>Beauveria bassiana</i> GHA	11.3	UND																			
Botanigard 22WP	<i>Beauveria bassiana</i> GHA	22	>5000																			
Brigadier	bifenthrin + imidacloprid	11.3 + 11.3	175																			
Citation	cyromazine	75	4460																			
DiPel DF	<i>Bacillus thuringiensis</i>	54	>5050	C	C	C	C	C	C	C	C	C	C	C	C	C						
DiPel Pro DF	<i>Bacillus thuringiensis</i>	54	>5050	C	C	C	C	C	C	C	C	C	C	C	C	C						
Distance	pyriproxyfen	11.23	4733																			
Flagship 25WG	thiamethoxam	25	>5000																			
Floramite	bifenazate	22.6	>5000																			
Gnatrol WDG	<i>Bacillus thuringiensis</i>	37.4	>5000																			
Hexygon	hexythiazox	50	>5000																			
Kontos 240 SC	spirotetramat	22.4	>2000		T		T			T			T		T							
Lambda-Cy AG	lambda-cyhalothrin	11.4	81																			
Marathon II	imidacloprid	21.4	4143		T		T			T			T		T							
Marathon 60W	imidacloprid	60	1858		T		T			T			T		T							
Met52 (Tick-EX) EC	Metarhizium anisopliae F52	11	>5000 Derm																			
M-pede	potassium laurate	49	UND																			
Onager Miticide 1EC	hexythiazox	11.8	>5000																			
Ornazin	azadirachtin	3	>5000																			
Orthene 97	acephate	97	688-1127																			
Pedestal	novaluron	10	>2000																			
Perm-Up 3.2 EC	permethrin	36.8	1030																			
Pounce 25 WP	permethrin	25	1100-5000																			
PyGanic EC 1.4 II	pyrethrins	1.4	>2000																			
Pylon	chlorfenapyr	21.4	567																			
Pyrenone	pyrethrin + pidronyl butoxide	6 + 60	4500-4900																			
Pyrethrum	piperonyl butoxide + pyrethrins	16 + 4	>5000																			
Safari 20 SG	dinotefuran	20	>2000		T	T	T			T			T	T	T							
Sanmite	pyridaben	75	1930																			
Shuttle O	acequinocyl	15.8	>5000																			
Suffoil-X	aliphatic petroleum solvent	80	>5000																			
Sunspray	mineral oil	98.8	>5000																			
Talus	buprofezin	70	>5000																			
Tetrasan	etoxazole	5	2600																			
Triact 70	clarified hydrophobic neem oil	70	>5000																			
Tristar	acetamiprid	8.5	450		T	T	T	T	T	T		T	T	T								
Up-Cyde 2.5 EC	cypermethrin	30.6	355																			

T = Transplants only, C = Caterpillar pests only