

Insect Control Chart

for Ornamental Crops

E = effective*, S = suppression*, L = listed on the label

Use sites: G = greenhouse, N = nursery, TL = turf and landscape

INSECTICIDES				INSECTS										Comment		
				aphids	armored scales	beetles, weevils	blossom midge	caterpillars	foliar mealybugs	lace bugs	leafhoppers	leaf miners	root mealybugs		soft scales	thrips
Common name	Chemical class	Use site(s)	Brand name**													
abamectin	macrocyclic lactone	G N	Avid	L			E				E			E	L	
acephate	organophosphate	G N G	Orthene 97 Precise	E	L	L		L	L	E		L		L	E	E
														E		potted plants only
acetamiprid	chloronicotine	G N	Tristar	E				L			L	L			L	L
azadiractin	insect growth regulator	G N	Azatin XL	E	L			L	L		L	E		L	L	L
<i>Bacillus thuringiensis</i>	microbial (bacterium)	G N G N	Dipel DF Gnatrol					E								
bifenthrin	pyrethroid (synthetic)	G N	Talstar F	L	L	E		L	L					E	L	L
buprofezin	insect growth regulator	G N	Talus (Applaud)	E				E		L				E		E
carbaryl	carbamate	N N	Sevin 50WP, 80WP Carbaryl 4L	L	S	E		E			E	L		E	L	
				L	S	E		E			E	L		E	L	
chlorpyrifos	organophosphate	G N N	Dursban 50WP Dursban TNP DuraGuard ME	E	L	E		E	E	E	L	L	E	L	E	L
				E	L	E		E	E	E	L	L		L	E	L
				E	L	E		E	E	E	L	L		L	E	L
cyfluthrin	pyrethroid (synthetic)	G N	Decathlon WP	L	L	E	L	E	L	L	L	L		L		L
diflubenzuron	insect growth regulator	G	Adept					L			L				S	

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*This information is accumulated from a search of world literature and interviews with researchers, extension agents, chemical sales representatives, and other agricultural professionals in Hawaii.

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Caution: Consult a chemical sales representative, the Hawaii Dept. of Agriculture, or the CTAHR Cooperative Extension Service for current information and updated recommendations.

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Common name	Chemical class	Use site(s)	Brand name**														
diazinon	organophosphate	N	Diazinon WP	E	L	L		L	E	L	L	L		L	L	L	
			Knox Out GP	E	L	L			E			L		L	L		
dimethoate	organophosphate	N	Dimethoate EC	E	S	L		L	E	L	E	L		E	E	E	
fenprothrin	pyrethroid (synthetic)	G N	Tame EC	L		E		E	L	L	L	L		L	L	L	
fluvalinate	pyrethroid (synthetic)	G	Mavrik F	L		L		L	L					E	L	L	
insecticidal soap	K salts of fatty acids	G N	M-Pede	E	S	L		L	L	L				L	L	L	
imidacloprid	chloronicotine (nitroguanidine)	G N TL	Marathon	E	L	E			E	E		L	E	E	S	E	
			Marathon WP	E	L	E			E	E		L		E	S	E	
			Merit WP	E	L	E			E	E		L		E	S	E	
imidacloprid +cyfluthrin	chloronicotine +pyrethroid	N TL	Discus	E	S	E			E	E		L	E	E	S	E	
malathion	organophosphate	G N	Malathion	L		L		L	L	L	L	L		L	L	L	
methiocarb	carbamate	G N	Mesurol WP	E											E		
neem oil	botanical oil	G N	Triact 70	E	L				L		L			E	S	L	

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Common name	Chemical class	Use site(s)	Brand name**														
paraffinic and other petroleum-based oils	unsulfonated oil of refined petroleum (hydrocarbon distillate)	G	N	Ultra-fine Oil	E	S				L		L	L		E		L
		G	N	Sunspray	E	S				L		L	L		E		L
		G	N	Volck	E	S				L		L	L		E		L
		G	N	Styilet	E	S				L		L	L		E		L
		G	N	Biocover	E	S				L		L	L		E		L
pedestal	insect growth regulator	G	N	Novaluron					L				S			L	L
phosmet	organophosphate		N	Imidan 70W					L	L			L	L			L
pyrethrins/pbo+ silicon dioxide	natural pyrethrins	G	N	Pyrenone	L		L		L	L	L	L	L			L	L
	silica compounds / diatomaceous earth	G	N	Organic Solutions	L		L		L	L	L	L	L			L	L
pyridaben	pyridazinone	G	N	Sanmite WS													L
pyriproxyfen	insect growth regulator	G	N	Distance	S	S				S					E		E
s-kinporene	insect growth regulator	G	N	Enstar II	L	L				L				L	L		E
spinosad	spinosyns	G	N	Conserve SC					L		E			E			E

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