

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				
Common name	Chemical class	Use site(s)	Brand name**	aphids	armored scales	beetles, weevils	blossom midge	caterpillars	foliar mealybugs	lace bugs	leafhoppers	leaf miners	root mealybugs		soft scales	thrips	whiteflies	
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		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			
chlorpyrifos	organophosphate	G N N	Dursban 50WP Dursban TNP DuraGuard ME	E	L	E		E	E	E	L	L	E	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		
diazinon	organophosphate	N	Diazinon WP Knox Out GP	E	L	L		L	E	L	L	L		L	L	L		
dimethoate	organophosphate	N	Dimethoate EC	E	S	L		L	E	L	E	L		E	E	E		
fenpropathrin	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 G N	Marathon Marathon WP Merit WP	E	L	E		E	E		L	E	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	Mesuroil WP	E										E				
neem oil	botanical oil	G N	Triact 70	E	L			L		L				E	S	L		
paraffinic and other petroleum-based oils	unsulfonated oil of refined petroleum (hydrocarbon distillate)	G N G N G N G N G N	Ultra-fine Oil Sunspray Volck Stylet 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 silica compounds / diatomaceous earth	G N G N	Pyrenone 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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*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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