

MODE OF ACTION CHART AND PEST ACTIVITY

Mode of Action	Pest Control Materials	Type	Pest Activity (based on label)										
			WF	APHIDS	THRIPS	MB	SM	FG	SF	LM	CAT	SCALE**	
Acetylcholine Esterase Inhibitors (1A & 1B)*	* Acephate (Orthene)	C, S, T	X	X	X	X							X
	* Chlorpyrifos (DuraGuard)	C		X	X	X		X	X	X	X		X
	* Methiocarb (Mesurol)	C		X	X								
GABA-Gated Chloride Channel Blockers (2A)	* Endosulfan (Thiodan)	C	X	X									
Sodium Channel Blockers (3)	* Bifenthrin (Talstar/Attain)	C	X	X	X	X	X	X				X	X
	* Cyfluthrin (Decathlon)	C	X	X	X	X		X				X	X
	* Fenpropathrin (Tame)	C	X	X	X	X	X				X	X	
	* Fluvalinate (Mavrik)	C	X	X	X		X					X	
	* Lambda-cyhalothrin (Scimitar)	C	X	X	X	X	X				X	X	
	* Pyrethrum (Pyreth-It)	C	X	X	X	X					X	X	X
Nicotinic Acetylcholine Receptor Disruptors (4A)	* Permethrin (Astro)	C	X	X	X	X		X			X	X	X
	* Acetamiprid (TriStar)	C, S, T	X	X	X	X		X			X	X	X
	* Clothianidin (Celero)	C, S, T	X	X		X							X
	* Dinotefuran (Safari)	C, S, T	X	X	X	X		X			X		X
	* Imidacloprid (Marathon)	C, S, T	X	X	X	X		X			X		X
Nicotinic Acetylcholine Receptor Agonist (5A)	* Thiamethoxam (Flagship)	C, S, T	X	X		X		X					
GABA Chloride Channel Activators (6)	* Spinosad (Conserve)	C, T			X		X				X	X	
Juvenile Hormone Mimics (7A, 7B, & 7C)	* Abamectin (Avid)	C, T	X	X	X		X				X		
	* Fenoxycarb (Preclude)	C	X	X	X	X	X				X	X	
	* Kinoprene (Enstar II)	C	X	X	X	X		X					
Chitin Synthesis Inhibitors (15, 16, & 17)	* Pyriproxyfen (Distance)	C, T	X	X		X		X	X	X			
	* Buprofezin (Talus)	C	X			X							
	* Cyromazine (Citation)	C						X	X	X			
	* Diflubenzuron (Adept)	C	X					X	X	X	X		
	* Etoxazole (TetraSan)	C, T					X						
	* Novaluron (Pedestal)	C	X		X						X	X	
Growth and Embryogenesis Inhibitors (10A)	* Clofentezine (Ovation)	C					X						
	* Hexythiazox (Hexygon)	C					X						
Selective Feeding Blockers (9B & 9C)	* Flonicamid (Aria)	C, S, T	X	X	X	X							
	* Pymetrozine (Endeavor)	C, S, T	X	X									
Disruptors of Insect Midgut Membranes (11A1 & 11B2)	* <i>Bacillus thuringiensis</i> var. <i>israelensis</i> (Gnatrol)	ST						X					
	* <i>Bacillus thuringiensis</i> var. <i>kurstaki</i> (Dipel)	ST										X	
Oxidative Phosphorylation Uncoupler (13)	* Chlorfenapyr (Pylon)	C, T					X	X			X		

