

Table 2. Toxicity of pest management tools to beneficials in Florida strawberry.

Beneficial Insects/ Mites	Beneficial mites	Big-eyed bugs	Damsel bugs	Ground beetles	Honeybees	Lacewings	Ladybird beetles	Minute pirate	Parasitic wasps	Predatory midges	Predatory thrips	Spiders	Syrphid fly larvae
Registered materials													
Abamectin	MH					MH	MH		MH				
Acequinocyl													
Azadirachtin	S					S	S		S				
<i>Bacillus thuringiensis</i>	S					S	S		S				
<i>Beauveria bassiana</i>	S					S	S		S				
Bifenazate	S					S	S		S				
Bifenthrin	H					H	H		H	H			
Boric acid													
Canola oil	S					S	S		S				
Carbaryl	S					H	H		H				
Chlorpyrifos	H					H	H		H				
Diazinon	M					H	?		H	H			
Dicofol	H					SM	?		M	H			
Endosulfan	H					H	H		M				
Etoxazole													
Fenbutatin-oxide	S					S	S		S				
Fenpropathrin	H					H	H		H				
Hexythiazox	S					S	S		S				
Imidacloprid	MH					M	?		H				
Malathion	M					H	H		H				

Toxicity scale:

S = slightly toxic
M = moderately toxic
H = highly toxic

Toxicity scale:

O = nontoxic
? = no data available

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Metaldehyde													
Methoprene													
Methoxyfenozide													
Naled	H					H	?		?				
Neem oil													
Paraffinic oil	M					S	S		S				
Insecticidal soap	H					H	?		M				
Propargite	MH					S	?		S				
Pyrethrins + rotenone													
Pyrethrins + piperonyl butoxide	MH					SM	?		MH				
Pyriproxyfen	S					S	H		S				
Spinosad	MH					MH	?		MH				
Spiromesifen													
Sulfur	SM					S	S		S				
Thiamethoxam	?					?	?		?				
New Chemistries - IR4 (■ current IR-4 project)													
■ Fenpyroximate	H					S	?		H				
■ Milbemectin	MH					MH	MH		MH				

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