

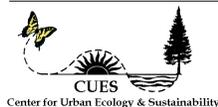
# Miticides and compatibility with biological control

Pesticide/Common Name (Chemical Class)	Compatibility <sup>1</sup>	Comment
<b>Avid/Abamectin</b> *+ (microbial toxin)	SC	Primarily effective against twospotted spider mite; less against mites on conifers; limited systemic movement.
<b>Bifenazate/Floramite</b> *+ (carboxylic acid ester)	HC	This miticide does not kill predators; spider mites only.
<b>Bifenthrin/Talstar</b> *+ (pyrethroid)	NC	Broad spectrum pyrethroid.
<b>Carbaryl/Sevin</b> (carbamate)	NC	Repeated use may stimulate spider mite reproduction; broad spectrum.
<b>Chlorfenapyr/Pylon</b> * (pyrrole)	NC	Thrips, mites, foliar nematodes; phyto cautions.
<b>Clofentezine/Ovation</b> */ <b>Savey</b> * (tetrazine)	HC	This miticide does not kill mite predators; only eggs and immatures.
<b>Dicofol/Kelthane</b> *+ (organochlorine)	NC	Very long residual miticide; kills mite predators.
<b>Dienochlor/Pentac</b> (chlorinated hydrocarbon)	SC	Short toxicity to predatory mites, but not toxic to predatory beetles.
<b>Etoxazole/TetraSan 5WDG</b> *+	C	Eggs, immatures, eggs in adults.
<b>Fenbuatin-oxide/Vendex</b> *+ (organo-tin)	MC	Conserves predatory mites when used properly.
<b>Fenpyroximate/Akari</b> * (phenoxy pyrazole)	C	Eggs, immatures; eggs in adults.
<b>Fluvalinate/Mavrik</b> *+ (pyrethroid)	NC	Long residual; broad spectrum.
<b>Hexythiazox/Hexygon</b> *+ (thiazolidine)	HC	Kills only spider mite nymphs and eggs; long residual. Does not kill predators.
<b>Horticultural oil</b> *+	C	Inactive when dry; kills soft bodied insects and pupal stage parasitoids.
<b>Hydrophobic extract of Neem Oil/Triact 70</b> *+ (botanical)	NC	Mites, some insects, foliar diseases.
<b>Imidacloprid/Marathon/Merit</b> + (chloronicotinyl)	NC	Ability to kill predaceous bugs can cause spider mite outbreaks. Long residual when systemically applied.

<b>Insecticidal Soap</b> *+	C	Inactive when dry; kills soft bodied insects and pupal stage parasitoids are not killed.
<b>Lambda-cyhalothrin/Scimitar</b> *+ (pyrethroid)	NC	Very long residual; broad spectrum.
<b>Naled/Dibrom8</b> *+ (chlorinated hydrocarbon)	NC	Broad spectrum.
<b>Oxythioquinox/Morestan/Joust</b> + (dithiocarbonate)	NC	Long residual; broad spectrum.
<b>Phosmet/Imidan</b> + (organophosphate)	SC	Reportedly low impact on spider mite predators in orchards with long history of pesticide use.
<b>Propargite/Ornamite</b> + (sulfite ester)	C	Compatible with beneficials.
<b>Pyradiben/Sanmite</b> *+ (pyradazinole)	NC	Lasting effects on mites and predators; immatures only.

<sup>1</sup>HC = Highly compatible, C = Compatible, SC= Somewhat Compatible, NC= Not Compatible, \* greenhouse, +landscape

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