

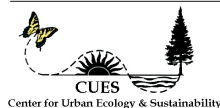
Miticides and compatibility with biological control

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

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

¹HC = Highly compatible, C = Compatible, SC= Somewhat Compatible, NC= Not Compatible, * greenhouse, +landscape

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