

Miticide details for products used on vegetable and fruit crops

by Celeste Welty, Extension Entomologist, Ohio State University, July 2020

OMRI-listed products for mite control on organic crops:												
Grandevo	<i>Chromobacterium subtsugae</i>		general	yes	all motile stages (immatures, adults) (?)	no	yes	yes	no	no	no	
PFR-97	<i>Isaria fumosorosea</i>		general	yes	all motile stages (immatures, adults) (?)	no	yes	yes	no	yes	no	not harsh
Sil-Matrix	potassium silicate		general	yes	all motile stages (immatures, adults) (?)	no	yes	no	no	no	no	
SucraShield	sucrose octanoate esters		general	yes	all motile stages (immatures, adults) (?)	no	yes?	no?	no?	no?	no?	
Trilogy	neem oil		general	yes	all motile stages (immatures, adults) (?)	no	yes	yes	no	no	no	
Kumulus DF	sulfur		general	yes	all motile stages (immatures, adults) (?)	no	yes	yes	yes	no	no	harsh
Dusting Sulfur	sulfur		general	yes	all motile stages (immatures, adults) (?)	no	yes	yes	yes	no	no	harsh
M-Pede	potassium salts of fatty acids (soap)		general	yes	all motile stages (immatures, adults) (?)	no	yes	yes	yes	yes	no	harsh
Des-X	potassium salts of fatty acids (soap)		general	yes	all motile stages (immatures, adults)	no	yes	no	no	no	no	harsh
Ecotec Plus	rosemary oil, geraniol, peppermint oil		general	yes	all motile stages (immatures, adults) (?)	no	yes?	yes?	yes?	yes?	yes?	
Ecotrol Plus	rosemary oil, geraniol, peppermint oil		general	yes	all motile stages (immatures, adults) (?)	no	yes	yes	no	yes	yes	
TriTek	mineral oil		general	yes	eggs and all motile stages (immatures, adults)	no	yes	yes	yes	no	no	
Organocide	sesame oil		general	yes	eggs and all motile stages (immatures, adults)	no	yes	yes	no	no	no	

Common mite pests:

two-spotted spider mite, *Tetranychus urticae* (family Tetranychidae)

European red mite, *Panonychus ulmi* (family Tetranychidae)

broad mite, *Polyphagotarsonemus latus* (family Tarsonemidae)

cyclamen mite, *Phytonemus pallidus* (family Tarsonemidae)

tomato russet mite, *Aculops lycopersici* (family Eriophyidae)

apple rust mite, *Aculus schlechtendali* (family Eriophyidae)

pear rust mite, *Epitrimerus pyri* (family Eriophyidae)

pearleaf blister mite, *Phytoptus pyri* (family Eriophyidae)

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Grandevo	caterpillars, aphids, leafhoppers, psyllids, thrips, whiteflies, mealybugs, some beetles
PFR-97	whiteflies, aphids, thrips, leafminers, psyllids, plant bugs. Mealybugs
Sil-Matrix	aphids, whiteflies, fungi
SucraShield	aphids, caterpillars, leafhopper, mealybug, plant bug, psyllid, soft scale, thrips and whitefly
Trilogy	aphids, mealybugs, soft scales
Kumulus DF	powdery mildew
Dusting Sulfur	powdery mildew
M-Pede	aphids, whiteflies, leafhoppers, plant bugs, psyllids, scales, powdery mildew
Des-X	aphids, leafhoppers, whiteflies, plant bugs, psyllids, scales, powdery mildew
Ecotec Plus	leafminers, mealybugs, psyllids, scale crawlers, thrips, whiteflies
Ecotrol Plus	aphids, beetles, whiteflies, plant bugs, thrips, leafhoppers, caterpillars
TriTek	scales, mealybugs, psyllids, whiteflies, aphids, plant bugs, leafhoppers, caterpillars, thrips, powdery mildew
Organocide	aphids, thrips, whiteflies, powdery mildew