

Product Compatibility

SuffOil-X®

SuffOil-X® (a.i. mineral oil, 80%) is a unique concentrate of pre-emulsified, highly refined, high paraffinic, and low aromatic oil. It is the ideal choice for effective insect, mite and disease control in a broad range of greenhouse, nursery and vegetable crops.

SuffOil-X's pre-emulsification process breaks down the oil particle, reducing droplet size from 700 microns to approximately 50 microns. The small oil droplets ensure that a very thin, uniform coating of oil is applied to the plant surfaces. SuffOil-X is highly effective at smothering and killing pests while maintaining plant safety.

SuffOil-X is compatible with most commonly used insecticides and fungicides.

- **Read and follow label directions for all tank mix materials.**
- Do not mix with products specifically warning against mixing with an oil.
- Always maintain constant agitation in your spray tank.
- Make applications of tank mix solutions as soon as possible after mixing.

BCA's: Biological Control Agents		
Active Ingredient(s)	Brand Name	Compatibility
A direct application of Suffoil-X onto beneficial insects or mites will be harmful to the smaller, soft-bodied species. Once an application has thoroughly dried, populations of beneficials can rebuild and new releases will not be impacted.		

Fertilizers		
Active Ingredient(s)	Brand Name	Compatibility
NPK foliar fertilizers	Various	NO
Plant-derived proteins	ON-Gard	Yes

Fungicides		
Active Ingredient(s)	Brand Name	Compatibility
<i>Bacillus subtilis</i> strain QST 713	CEASE	Yes
copper hydroxide	Champ	NO *
copper octanoate	Camelot O	NO *
copper sulfate pentahydrate	Phyton	NO *
ethyl mercaptan	Captan	NO *
extract of <i>Reynoutria sacchalinensis</i>	Regalia / Regalia Max	Yes
Folpet	Folpan	NO *
oxythioquinox	Morestan	NO *
potassium bicarbonate	MilStop SP/ MilStop	Yes (Test for phytotoxicity on sensitive species)
sulfur	Various	NO *
<i>Ulocladium oudemansii</i> U3 strain	BotryStop	Yes (at 1% SuffOil-X v/v)

*Apply 3 weeks before or after SuffOil-X

Insecticides		
Active Ingredient(s)	Brand Name	Compatibility
azadirachtin	Molt-X	Yes ^
<i>Beauveria bassiana</i> strain GHA	BotaniGard 22WP, BotaniGard ES, Mycotrol ESO, Mycotrol WPO	At 2% SuffOil-X: WP - Yes, with constant agitation; ES - Phyto concern
<i>Beauveria bassiana</i> strain GHA + natural pyrethrins	BotaniGard MAXX	Yes ^
carbaryl	Sevin	NO (Apply 3 weeks before or after)
Dimethoate	Cygon	NO (Apply 3 weeks before or after)
<i>Steinernema feltiae</i>	NemaShield	Yes

^ Test the ES or EC formulation first on sensitive species. Additional oil may increase risk of phytotoxicity.

Refer to product labels for complete application details. Additional technical information is available on our website (bioworksinc.com) or from your BioWorks Biological Solutions Advisor. Always read and follow label directions.