



# BioWorks®

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## SuffOil-X®



SuffOil-X is an Insecticide, Acaricide and Fungicide. It is a unique concentrate of pre-emulsified, highly refined, high paraffinic, low aromatic oil. It is the ideal choice for effective insect, mite and disease control in a broad range of greenhouse and nursery ornamentals, field grown and greenhouse vegetables, tree fruits, small fruits and hops.

**Active Ingredient:** Mineral Oil

### Benefits & Features

- Suffocates eggs, larvae, nymphs and adult soft bodied insects and mites
- Pre-emulsified to achieve uniform coverage
- Works well in high- or low- pressure spray applications
- Excellent compatibility with pesticides labeled for use with oil
- Penetrates dense spots in plant canopy
- Pre-emulsified to stay in suspension as a homogeneous mix without vigorous agitation
- Exempt from residue tolerance



### INSECT & MITE CONTROL

SuffOil-X applications are more uniform than conventional oil emulsions. Uniform applications improve effectiveness and greatly reduce the chance of plant phytotoxicity.



### SUPERIOR FORMULATION

SuffOil-X does not risk crops by using heavy oils. Suffoil-X is a light weight oil posing less risk to plants compared to heavy oils.



### STABLE AND RELIABLE

SuffOil-X will not separate for many hours in a spray tank. The stable emulsion is long lasting ensuring the spray application is consistent.



### SUSTAINABLE. SIMPLE. SUPPORT.

For 25 years, BioWorks has been helping our customers to develop effective and efficient programs using safer, sustainable products - backed by a personalized approach to support.

At BioWorks, we strive to simplify the use of biologicals with our ongoing commitment to information, education and service.

**AN INSECTICIDE, ACARICIDE AND FUNGICIDE - SPRAY OIL EMULSION****PRODUCT INFORMATION**

- Mineral Oil
- Available Sizes:  
9.46, 113.56 and 946.35 liter

**REI & PHI**

- 12-hour REI, 12-hour PHI

For use on greenhouse and outdoor ornamentals, greenhouse and field grown vegetables, tree fruits, small fruits and hops.

**SHELF LIFE**

Below 0 °C:	Do not freeze
Refrigeration 4 °C:	Not needed
21-24 °C:	2 years
Above 24 °C:	Store cool

PCA REGISTRATION NO. 33099

MPS Code: 3444/Orange

**APPLICATION NOTES****LIGHT SPRAY OIL (GENERAL GUIDELINES)**

- Ensure thorough coverage
- Do not apply on overcast, humid days or after rain
- Spray when humidity is less than 90%
- Spray early in the day before temperatures reach 33-35 °C
- Ensure soil moisture is adequate and plants are not drought stressed
- Do not mix with sulfur-based fungicides or insecticides
- Apply horticultural oils only when the temperature is above 4 °C and there is no danger of freezing

**APPLICATION RATES**

Foliar Spray Applications: 1-2% (10-20 L SuffOil-X /1000 L water)

Dip Applications: 1-5 ml SuffOil-X / 1 L water

SuffOil-X is labeled for use on a wide variety of crops within these categories:

- Tree Fruits and Hops
- Small Fruits
- Field Grown Vegetables
- Outdoor Ornamentals
- Greenhouse Ornamentals
- Greenhouse Grown Vegetables

**TECHNICAL SUPPORT**

If you are a commercial grower with questions or if you want to discuss a particular issue, contact us.

Our team is ready to discuss your crop-specific issues or any questions you have about our products. We will provide you with rapid, comprehensive and personalized support.

**(800) 877-9443 or [expert@bioworksinc.com](mailto:expert@bioworksinc.com)**

**BROAD SPECTRUM CONTROL**

- Aphids
- Armored scales
- Mites
- Mealybugs
- Powdery Mildew
- Soft scales
- Spider mites
- Thrips
- Whiteflies