



BioWorks®

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SuffOil-X®

SuffOil-X is an organic biopesticide (Spray Oil Emulsion Insecticide, Miticide, 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, nursery and vegetable crops.

Active Ingredient: Mineral Oil

Benefits & Features

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



INSECT & MITE CONTROL

SuffOil-X applications are more uniform than conventional oil emulsions. The uniformity improves effectiveness greatly reduces the chance of plant phytotoxicity.



SUPERIOR FORMULATION

SuffOil-X does not risk crops by using heavy oils. The unique formulation provides excellent coverage with less risk.



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 ORGANIC BIOPESTICIDE (INSECTICIDE, MITICIDE, FUNGICIDE - SPRAY OIL EMULSION)



PRODUCT INFORMATION

- Mineral Oil
 - Available Sizes: 2.5 gal and 30 gal
 - Registered for use in the USA except AK and DC
- REI & PHI**
- 4-hour REI, 0-day PHI

SHELF LIFE

- | | |
|-----------------------------|---------------|
| Below 32 °F (0 °C): | Do not freeze |
| Refrigeration 40 °F (4 °C): | Not needed |
| 70 - 75 °F (21 - 24 °C): | 2 years |
| Above 75 °F (24 °C): | Store cool |



For use on vegetables, nursery, landscape, ornamental and greenhouse crops
 EPA registered: Reg. No. 48813-1-68539 Est. No. 48813-IL-1
 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 90-95 °F (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 40 °F and there is no danger of freezing



APPLICATION RATES

Mix 1-2 gal of SuffOil-X per 100 gal of water.

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

- | | |
|--------------------------|-------------------|
| • Field crops | • Shade trees |
| • Flowers | • Shrubs |
| • Foliage plants | • Small fruits |
| • Greenhouse ornamentals | • Tree crops |
| • Ornamentals | • Vegetable crops |

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

BROAD SPECTRUM CONTROL

- | | |
|-------------------|----------------|
| • Adelgids | • Mealybugs |
| • Aphids | • Plant bugs |
| • Armored scales | • Psyllids |
| • Cankerworms | • Soft scales |
| • Eriophyid mites | • Spider mites |
| • Leafhoppers | • Webworms |
| • Leafrollers | • Whiteflies |
| • Leaf tiers | |