



TECHNICAL DATA BULLETIN

PRODUCT TECHNICAL INFORMATION AND APPLICATIONS

FOLIAR OIL[®] 930EC

"Mineral Oil 93% w/w"

1. INTRODUCTION:

Foliar Oil[®] 930EC is emulsifiable concentrate formulation of highly refined petroleum oil. It contains 930 g/Kg of the highly refined petroleum oil. It is used as an insecticide and acaricide with ovicidal activity as well as an adjuvant for pesticides.

2. ACTIVE INGREDIENT:

Common name	<i>Mineral Oil</i>
CAS Registry No.	64742-55-8
Boiling Point.	Fraction distilling above 310 °C
Density	0.65-1.06 (crude oil); 0.78-0.80 (kerosenes); 0.82-0.92 (spray oils)

3. PHYSIOCHEMICAL PROPERTIES OF THE PRODUCT:

Assay:	"Highly Refined Paraffin Oil" 93.0 % w/w
Appearance:	Light Yellow, Oily liquid free of visible impurities
Density	0.8651 Kg/L
Viscosity:	63 Cp at 22.5°C (Brookfield, Spindle 2@ 100 r.p.m)
Miscibility:	Forms emulsion when mixed with water.
Corrosiveness:	No-corrosive
Water contents:	0.05% w/w



4. MODE OF ACTION:

Foliar Oil[®] 930EC is an Acaricide and insecticide with ovicidal activity; contact herbicide; adjuvant for herbicides. Foliar Oil[®]930EC is a contact insecticide it kills the insects by suffocation, which is a mechanical form of death. Hence, there is little possibility for resistance development.

5. USES:

Foliar Oil[®] 930EC is used as an insecticide and acaricide with ovicidal activity, for the control of mites, scales, mealy bugs, aphids, leaf-miners, white flies as well as the eggs of many species. It is used in a wide range of crops including, protected tomatoes, cucumbers, grapevines, protected pot plants, stone fruits, citrus trees, date palm and ornamentals.

Foliar Oil[®]930EC also used as an adjuvant to enhance the effectiveness of pesticides.

6. PHYTOTOXICITY

Foliar Oil[®] 930 is not phytotoxic to target crops when applied according to recommendation.

7. APPLICATIONS:

Foliar Oil[®] 930EC is mixed with water to make 1% - 3% solution (0.5% solution for tender foliage) and sprayed to wet plants thoroughly, particularly the underside of the leaves. The application is repeated as necessary. It is applied under quick drying conditions but not in bright sun unless the glass is well shaded.

When using Foliar Oil 930EC the following crop safety restrictions should be observed.

On plants of unknown sensitivity the product should be tested first on small scale

Grapevines should be treated before flowering.



Recommendations for use

Crop	Pest	Application Rate	PHI
Dates Palm	Scale Insects and Mites	1 – 2 Liters / hl	
Stone fruits: Peaches & Plums	Scale Insects and Mites	2 Liters / hl	
Pomes: Apples and Pears	Scale insects, Mites, Psylla & Mealybugs	2 – 3 Liters / hl	
Olives	Scale insects and Olive psylla	1.5 Liter / hl	7 Days
Citrus	Mites, Scale insects and Mealy bug	1 – 1.6 Liter / hl	
Grapes	Mealybug & Mites	2 – 4 Liters / hl	
Vegetables: Tomatoes, Cucumber & Squash	Mites & Insects eggs	1 – 2 Liters / hl	

8. COMPATIBILITY

Foliar Oil[®] 930 EC may be tank mixed with other pesticides to improve their effectiveness and enhance coverage. However, it should not be mixed with sulfur and sulfur containing pesticides. Such pesticides should not be used within 14 days of treatment.

Mixture with certain pesticides may damage crop plants. If mixing is required, spray few plant to test for tolerance before treating large areas.

9. HARVEST INTERVAL

Pre-Harvest Interval for Foliar oil 930EC is Zero day.



10. HANDLING, STORAGE AND TRANSPORTATION

Foliar Oil[®] 930EC should be transported its original labeled, tightly closed container and stored in a dry well ventilated store at room temperature and away from direct sunlight.

Keep away from children, animals, food, feed and drinks and unauthorized personnel. Personnel involved in handling this material should wear protective gloves, clean protective clothing and a facemask.

11. SPECIAL PRECAUTIONS:

The product is harmful if swallowed. Avoid breathing of spray mist or vapors. Wash hands after usage.

This product may cause phytotoxicity if applied to target plant during periods of prolonged high temperature and high relative humidity. It should not be sprayed on plants suffering from moisture stress.

Foliar Oil 930EC is toxic to fish. It should not be applied directly to water.