

PM-19

Reg # 5905-302

196  
1

Amendment Submitted 9/24/96

# SOL OIL PLUS

INSECTICIDE-MITICIDE/SPRAY ADJUVANT

**ACTIVE INGREDIENT:**

Petroleum oil ..... 90.00%

**INERT INGREDIENTS:** ..... 10.00%

**TOTAL** ..... 100.00%

Petroleum Oil Min. Unsulfonated Residue - 90%

Petroleum Oil Classification - Unclassified

**KEEP OUT OF REACH OF CHILDREN**

## CAUTION

See Other Cautions on Side Panel

EPA REG. NO. 5905-302

NET CONTENTS:

EPA EST NO.

**ACCEPTED**  
**DEC 02 1996**  
 Under the Federal Insecticide,  
 Fungicide, and Rodenticide Act  
 as amended, for the pesticide  
 registered under  
 EPA Reg. No. 5905-302

96 OCT -1 AM 1:07

RECD EPA/OPP/DPD1

MANUFACTURED BY  
HELENA CHEMICAL COMPANY  
MEMPHIS, TN. 38119

296  
2

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS & DOMESTIC ANIMALS**

**CAUTION**

Harmful if swallowed. Avoid breathing of spray or vapors. Avoid contamination of food and food-stuffs.

**STATEMENT OF PRACTICAL TREATMENT**

**If Swallowed:** Do not induce vomiting

**If on Skin:** Wash with soap and water -

**If on Eyes:** Flush with running water. If irritation persists see a physician.

**PERSONAL PROTECTIVE EQUIPMENT**

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category E on an EPA chemical resistance category selection chart.

**Applicators and other handlers must wear:**

Long-sleeved shirt and long pants

Chemical-resistant gloves, such as barrier laminate, nitrile rubber, neoprene rubber or viton.

Shoes plus socks

Chemical -resistant headgear for overhead exposure

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

**USER SAFETY RECOMMENDATIONS**

Wash hands before eating drinking, chewing gum, using tobacco or using the toilet.

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of washwaters.

**PHYSICAL OR CHEMICAL HAZARDS**

Do not use, pour spill or store near heat or open flame.

**CHEMIGATION PROHIBITION**

Do not apply this product through any type of irrigation system.

### DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

#### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 4 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls
- Chemical-resistant gloves, such as barrier laminate, nitrile rubber, neoprene rubber or viton.
- Shoes plus socks
- Chemical-resistant headgear for overhead exposure

#### NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forest, nurseries, or greenhouses. Do not enter treated areas without protective clothing until sprays have dried.

#### STORAGE AND DISPOSAL

**STORAGE:** Keep container well sealed. Protect from excessive heat.

**PESTICIDE DISPOSAL:** Do not contaminate water, food or feed by storage or disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or, by other procedures approved by state and local authorities.

**SOL OIL PLUS** is a special blend of refined phyto-bland oils that function as a contact insecticide. In addition, the surfactant/emulsifier system utilized in **SOL OIL PLUS** improves spray application by modifying the wetting and deposition characteristics of the spray droplets.

The surfactant components in **SOL OIL PLUS** adjust the pH of alkaline water and minimize pesticide loss<sup>4</sup> due to hydrolysis. The addition of other pH reducing materials is not required.

For foliage application, the spray tank must be free of any sulfur residue before using **SOL OIL PLUS**. Do not combine sulfur sprays with **SOL OIL PLUS** on foliage and do not follow a previous application of sulfur or apply sulfur following **SOL OIL PLUS** until sufficient time has elapsed for safety (at least 30 days). If in doubt, spray a portion of one tree previously treated with sulfur, using 1 quart to 25 gallons water. If sufficient time has not elapsed, burn will shown in several days. Do not use **SOL OIL PLUS** when temperatures are above 90° Fahrenheit. When temperatures drop below 32° F (usually nighttime lows), do not spray tree and vine crops until daytime temperatures have warmed to a point above 35° F and are free from moisture due to melting frost or heavy dews. Do not use in combination with or immediately before or after spraying with dinitro compounds, fungicides such as Captan, Folpet, Dyrene, Karathene, Morestan or any other product containing sulfur.

Application to trees weakened by disease, drought, driving winds or high nitrogen applications may result in oil injury.

**AMOUNTS GIVEN ARE FOR 100 GALLONS OF DILUTED SPRAY.**

**ALFALFA (Seed Crop Only):** Use 1 quart per acre in 20 to 30 gallons of water by ground application or 10 to 15 gallons by air when used in combination and at the recommended label rates with either Cythion\* for control of the pests listed on the product labels. **Spider Mites:** Use 1 quart per acre at the dilutions noted above with Kelthane\*\* at the recommended label rates.

**ALMONDS, APRICOTS, CHERRIES, NECTARINES, PEACHES, PLUMS, PRUNES -**  
Dormant or Delayed Dormant: **Brown Apricot Scale, Black Scale, San Jose Scale, Olive Scale (Parlatoria Scale), Oleander Scale, Frosted Scale, Italian Pear Scale, European Fruit Lecanium, Putnam Scale, Parlatoria, Soft Brown Scale, Certain other Scale Insects, Eggs of Aphids, Red Spider Mites - 1½ to 2 gallons. Summer Use: Red Spider Mites - 3 to 4 quarts. Summer Stages of Brown Apricot Scale, San Jose Scale - 1 gallon.**

**APPLES: Rust Mite:** Delayed Dormant - 1½ to 2 gallons. Summer Use - 1 to 1½ gallons.

**APPLES, PEARS -** Dormant or Delayed Dormant: **San Jose Scale, Italian Pear Scale, Eggs of Aphids, Red Spider Mites - 1½ to 2 gallons. Summer Use: Red Spider Mites - 3 to 4 quarts (Concentrated Sprayers - Pears (California Only) - 4 to 6 gallons in 90 to 120 gallons of water per acre). Summer forms of San Jose and Italian Pear Scale - 1 to 1½ gallons.**

**LEMONS, GRAPEFRUIT: Red Scale, Yellow Scale, Purple Scale, Black Scale, Red Spider Mites - 1¼ to 1½ gallons SOL OIL PLUS plus the recommended rate of Cythion. For best results, spray during winter and spring months when Red Scale are more easily controlled and trees generally less reactive to oil sprays. Do not use within 8 weeks of harvest on Lemons.**

**NAVEL ORANGES: Red Scale, Black Scale, Yellow Scale, Purple Scale, Red Spider Mites - 3 quarts SOL OIL PLUS plus the recommended rate of Cythion. Do not use on Navel Oranges after September 1.**

**VALENCIA ORANGES:** Red Scale, Black Scale, Yellow Scale, Purple Scale, Red Spider Mites - 1 gallon, applying not later than September 1 or 3 quarts **SOL OIL PLUS** plus the recommended rate of Cythion applied not later than September 15.

**PEARS:** Pear Psyllia - Delayed Dormant - 2 gallons. Summer Use - 1 to 1-1/2 gallons. Blister Mite - Delayed Dormant and Fall Spray - 2 gallons.

**ORNAMENTALS AND SHADE TREES (Conifers [See Note], Holly, Pyracantha, Sycamores, Hawthorn, Flowering Peach, Flowering Cherry, Apple, Magnolia, Maple, Dogwood, Oak, Privet, Birch):** Soft Brown Scale, Oyster Shell Scale, Brown Apricot Scale, Black Scale, San Jose Scale, Red Spider Mites and Eggs - 1 gallon to 100 gallons water. Dormant Spray on Deciduous Varieties - 2 gals. per 100 gals. water. Dormant Spray on Other Varieties - 1 gallon per 100 gallons water. NOTE: May cause discoloration of Blue Spruce. Do not use on Conifers or Ferns not tolerant to oil sprays.

**WALNUTS - Late Spring to Mid-Summer Only:** Summer Stages of Frosted Scale, European Fruit Scale, San Jose and other Soft-Shelled Scale, Red Spider Mites - 2 to 4 quarts. The addition of one of the following phosphate insecticides aids in scale control, Trithion or Ethion. See label for recommended dosages. Do not apply after husk split.

**MIXING DIRECTIONS:** With agitator running start filling spray tank with water. When combining with Wettable Powder insecticide or fungicide products, add these first when tank is one-third filled. Add **SOL OIL PLUS** when tank is about one-half full and while there is sufficient agitation of the spray to insure complete emulsification.

696

**CONDITIONS OF SALE - LIMITED WARRANTY  
AND LIMITATIONS OF LIABILITY AND REMEDIES**

The directions on this label are believed to be reliable and should be followed carefully. Insufficient control of pests and/or injury to the crop to which the product is applied may result from the occurrence of extraordinary or unusual weather conditions, the failure to follow the label directions, or good application practices, all of which are beyond the control of Helena Chemical Company (the "Company") or seller. In addition, failure to follow label directions may cause injury to crops, animals, man, or the environment. The Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purpose referred to in the directions for use subject to the factors noted above which are beyond the control of the Company. The Company makes no other warranties or representations of any kind, express or implied, concerning the product, including no implied warranty of merchantability or fitness for any particular purpose, and no such warranty shall be implied by law.

The exclusive remedy against the Company for any cause of action relating to the handling or use of this product is a claim for damage and in no event shall damages or any other recovery of any kind against the Company exceed the price of the product which causes the alleged loss, damage, injury, or other claim. The Company shall not be liable and any and all claims against the Company are waived for special, indirect, incidental, or consequential damages or expense of any nature, including, but not limited to, loss of profits or income.

The Company and the seller offer this product and the buyer and user accept it, subject to the foregoing conditions of sale and limitation of warranty, liability, and remedies.

\*Cythion® is a Reg. Trademark of American Cyanamid Co., Agri. Div.

\*\*Kelthane® is a Reg. Trademark of Rhom and Haas Company