

OCT 14 1993

Ms. Judy Oldham
Helena Chemical Company
6075 Poplar Avenue, Suite 500
Memphis, Tennessee 38119

Subject: Amendment Application to Change Product Name and Add
Crops; Revised Confidential Statements of Formula
Sol Oil Plus (formerly Florida Flo 90 Oil Emulsion)
EPA Registration Number 5905-302
Your Application Dated September 20, 1993

Dear Ms. Oldham:

Your proposal to change the official name of record of this product to

Sol Oil Plus

is acceptable. We have amended our files for the product to show the new name.

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), sec. 3(c)(7)(A), is acceptable provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data.

2. Submit five (5) copies of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

A stamped copy of the labeling is enclosed for your records.

Note that this acceptance of your label does not relieve you of your obligation to comply with the Worker Protection Standard. If any of your products are covered by this standard, you are required to submit, and receive the Agency's approval by April 21, 1994, a revised label reflecting the required label statements of 40 CFR 156, published in the FEDERAL REGISTER on August 21, 1992 (57 FR 38102). Further guidance will be issued. According to 40 CFR 156, subpart K, "No product to which this subpart applies shall be distributed or sold without amended labeling by any registrant after April 21, 1994." Please call 1-800-777-2185 if you have any labeling questions regarding the Worker Protection Standard.

The Confidential Statement of Formula (CSF), dated September 20, 1993, showing the basic formulation of the product, is acceptable. Before we can complete our review of the CSF with the alternate formulation, we must have additional information on Armul 1527. Please provide the percentage composition of this emulsifier, identifying each component by name and Chemical Abstracts Service (CAS) Registry Number, and a Material Safety Data Sheet (MSDS). Your supplier may contact us directly with this information, referencing the EPA Registration Number in their response. Confidentiality of the information is maintained under section 10 of FIFRA.

Further consideration will be given to your application upon receipt of the above information. Because of the importance of your application, we would like to have your reply within 75 days. If you have any questions concerning this letter, please contact me at (703) 305-6386.

Sincerely yours,

DHE

Dennis H. Edwards, Jr.
Product Manager (19)
Insecticide-Rodenticide Branch
Registration Division (7505C)

Enclosure

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

EPA Est. No.

NET CONTENTS:

**MANUFACTURED BY
HELENA CHEMICAL COMPANY
MEMPHIS, TN. 38119**

ACCEPTED
with COMMENTS
in EPA Letter Dated

OCT 14 1993

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.

5905-302

**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.

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.

RE-ENTRY STATEMENT

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.

Do not enter treated areas without protective clothing until sprays have dried.

Protective clothing means, at least, a hat or other suitable head covering, a long-sleeved shirt and long-legged trousers or a coverall type garment (all of closely woven fabric covering the body, including the arms and legs), shoes and socks.

Because certain states may require more restrictive re-entry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information: **CAUTION.** Area treated with Petroleum Oil on (date of application). Do not enter without appropriate protective clothing until sprays have dried. See Statement of Practical Treatment and Precautionary Statements for actions to be taken in case of accidental exposure.

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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 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 show 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.

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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 Psylla - 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.

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

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"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

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