



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

MAR 23 1994

Beverley Neale
HELENA CHEMICAL CO.
6075 Poplar Avenue - Suite 500
Memphis, TN 38119

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Subject: Label Amendment Submission of 10/28/93 in Response to PR Notice 93-7
EPA Reg. No. 5905-302
HELEN FLORIDA-FLO 90 OIL EMULSION

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments reflected on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

WHAT YOU NEED TO DO NEXT:

By the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling
- AND
- WITHIN one year from date of this acceptance.



Recycled/Recyclable
Printed with Soy/Canola Ink on paper that
contains at least 50% recycled fiber

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Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs (7505C)
U.S. Environmental Protection Agency
401 M Street, SW
Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs
Room 266A, Crystal Mall 2
1921 Jefferson Davis Highway
Arlington, VA 22202

Sincerely,



Jim Tompkins, Deputy Chief
Registration Support Branch
Registration Division (7505W)

Attachment

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division

Beverley Neale
HELENA CHEMICAL CO
6075 POPLAR AVE SUITE 500
MEMPHIS TN 38119

Comment for: EPA Reg Nr.5905-302
HELEN FLORIDA-FLO 90 OIL EMULSION

The following specific comments pertain to your WPS labeling submission concerning the product cited above:

You have incorrect wording in the second-to-last sentence in the first paragraph in the Agricultural Use Requirements box on your proposed label. The sentence must be as follows: "It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval."

The circled statement(s) in the Non-Agricultural Use Requirements box contains errors. Use each statement exactly as it appears on your original label.

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Accepted EPA Stamped Label dated Oct.14, 1993 with WPS added Oct. 28, 1993

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SOL OIL PLUS

INSECTICIDE-MITICIDE/SPRAY ADJUVANT

ACTIVE INGREDIENT:

Petroleum oil 90.00%

INERT INGREDIENTS: 10.00%

TOTAL 100.00%

Petroleum Oil Min. Unulfonated 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**

MAR 23 1994
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.

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). 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 12 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. Keep unprotected persons out of treated areas 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 phytobland 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.

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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 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 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 "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

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waived for special, indirect, incidental, or consequential damages or expense of any nature, including, but not limited to, loss of profits or income.⁶

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