

OCT 04 1996

Mr. R. Franklin Handy  
Drexel Chemical Company  
P.O. Box 13327  
Memphis, Tennessee 38113-0327

Subject: Revised Labeling--Restricted Entry Interval  
415 Oil 98  
EPA Registration Number 19713-392  
Your Application Dated July 22, 1996

Dear Mr. Handy:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, is acceptable provided that you make the labeling changes indicated below before you release the product for shipment bearing the amended labeling:

1. Revise the Statement of Practical Treatment/If Inhaled to "Remove victim to fresh air. Apply respirator if indicated."
2. In the Precautionary Statements box, revise the Personal Protective Equipment (PPE) requirements for applicators and other handlers to "Long-sleeved shirt and long pants, chemical-resistant gloves such as barrier laminate, nitrile rubber, neoprene rubber, or viton, and shoes plus socks."
3. On page 3, in the list of uses, delete item 7, "May be used with ethyl parathion on figs, grapes and walnuts." (Note that the only crops for which ethyl parathion is registered are alfalfa, barley, canola, corn, cotton, sorghum, soybeans, sunflower and wheat.)

2.7.8

4. In the Agricultural Use Requirements box, revise the PPE requirements for early entry to treated areas to "Coveralls, chemical-resistant gloves such as barrier laminate, nitrile rubber, neoprene rubber, or viton, and shoes plus socks."

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

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

Sincerely yours,

DHE

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

Enclosure

3 7 8

DREXEL

415 OIL 98

A Superior Horticultural Spray Oil  
For Insect and Mite Pest Management

**ACTIVE INGREDIENT:**

Refined Petroleum Distillate\*..... 98.0 wt%

**INERT INGREDIENT:**

Emulsifier..... 2.0 wt%

**TOTAL:**.....100.0 wt%

\*Unsulfonated Residue of Petroleum Distillate .....92.0% Min

\*50% Distillation Point of Petroleum Distillate .....414.0° F

\*Flash Point .....345.0° F

Weight per Gallon .....7.1 Lbs

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

**STATEMENT OF PRACTICAL TREATMENT**

**IF SWALLOWED:** Do not induce vomiting. Call a physician immediately.

**IF ON SKIN:** Wash with soap and water.

**IF IN EYES:** Flush with water.

**IF INHALED:** Avoid breathing of spray mists or vapors.

EPA Reg. No.: 19713-392

EPA Est. No.: 19713-

NET CONTENTS:

Manufactured By:  
**Drexel Chemical Company**  
P.O. Box 13327  
Memphis, TN 38113-0327

Date 7/16/96

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

**OCT 04 1996**

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

19713-392

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

Avoid contact with eyes, skin and clothing. Harmful if swallowed. Avoid breathing of spray mists or vapors. Avoid contamination of foodstuffs.

**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  
 Shoes plus socks

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.

**USER SAFETY RECOMMENDATIONS**

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

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish. Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not contaminate water when disposing of equipment washwaters. Apply this product only as specified on this label.

- MIXING DIRECTIONS**
1. Add sufficient water to the mixing tank to allow proper agitation by pump or paddles.
  2. Add other desired pesticides, if wettable powder formulation, mix the water and powder thoroughly so that the powder is totally suspended in the water before the oil is added. If the other pesticide to be added is an emulsifiable formulation, do so after the oil and water have been thoroughly mixed.
  3. Add oil under agitation when 3/4 full, topping off with water to form a milky solution.
  4. Maintain agitation until solution is used.
  5. In small equipment lacking agitators, stir or shake diluted spray frequently during application.
  6. It is important for users to read and follow all directions and restrictions on the labels of the proposed tank mix products.
  7. Flush fluid in sprayer hose lines back into tank reservoir if fluid is allowed to stand for more than 20 minutes.

|                                  |  |
|----------------------------------|--|
| <b>Dilute Applications:</b>      | Apply specified rate of Drexel 415 OIL 98 in 100 to 800 gallons water/acre |
| <b>Concentrate Applications:</b> | Apply specified rate of Drexel 415 OIL 98 in 50 to 150 gallons water/acre  |
| <b>Aerial Applications:</b>      | Apply specified rate of Drexel 415 OIL 98 in 10 to 20 gallons water/acre   |

**APPLICATION INSTRUCTIONS**

The target pest must be completely covered with spray. Oil residue on the plant surface often acts as a feeding deterrent. However, the primary target is the pest animal.

**TIMING THE TREATMENT**

You must determine the precise timing to fit local growth and climatic conditions.

DO NOT EXCEED MAXIMUM RATES OR APPLY MORE OFTEN THAN RECOMMENDED.

**USES**

- 1. For use as a carrier for *Bacillus thuringiensis* when applied through a mist blower or cold fog machine.
- 2. May be used with ethion and parathion\* to obtain two modes of insecticidal action.
- 3. May be used with permethrin on cotton only.
- 4. May be used in a tank mix with chlorpyrifos on apples, pears, plums, prunes, peaches, sweet corn and field corn.
- 5. May be used in a tank mix with methidathion\* on apples, pears, plums, prunes, pecans, peaches, ornamentals including shade trees and shrubs, citrus (oranges, grapefruit, lemons).
- 6. May be used as a spreader or carrier for certain synthetic organic insecticides applied for pest control in/on habitable buildings.
- 7. May be used with ethyl parathion on figs, grapes and walnuts.

\*Note: Methidathion and parathion are "Restricted Use Pesticides."

**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 through any type of irrigation system. 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.

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| <p><b>AGRICULTURAL USE REQUIREMENTS</b></p> <p>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.</p> <p>Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 4 hours.</p> <p>PPE required for early entry to treated areas that is permitted under the Worker Protection Standard (WPS) and that involves contact with anything that has been treated such as plants, soil, or water is: coveralls, waterproof gloves, shoes plus socks.</p> |
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**IMPORTANT:** Keep oil container tightly closed in storage to prevent entry of water. Roll drum before use. All horticultural oils interfere with or slow plant transpiration and respiration during the period of evaporation. Phytotoxicity may result if sprayed on plants during periods of prolonged high temperature and high relative humidity. Do not spray plants under moisture stress. Do not use in combination with or immediately before or after spraying with fungicides

| Crop                      | Insect Control Aid                                 | Dilution Rate % or Gals of 415 Oil 98 per 100 Gals of Water | Time of Application (Stage of Development) |
|---------------------------|--|---|--|
| APPLES                    | Apple Red Bug                                      | 2   | Dormant                                    |
|                           | European Fruit Lecanium Scale                      | 2   | Dormant                                    |
|                           | Fruit Tree Leaf Roller                             | 3   | Dormant                                    |
|                           | European Red Mite                                  | 2   | Green Tip to Delayed Dormant 1/2" Green    |
|                           | San Jose Scale                                     | 2   | Delayed Dormant 1/2" Green                 |
|                           | Scurfy Scale                                       | 3   | Delayed Dormant 1/2" Green                 |
| CHERRIES (SWEET AND TART) | San Jose Scale                                     | 2   | Dormant                                    |
| NECTARINES                | San Jose Scale                                     | 2   | Dormant                                    |
| PEARS                     | Fruit Tree Leaf Roller                             | 3   | Dormant                                    |
|                           | Pear Leaf Blister Mite                             | 3   | Dormant                                    |
|                           | Pear Psylla  | 2   | Late Dormant                               |
| PECANS                    | Obscure Scale                                      | 3   | Dormant                                    |
| PEACHES                   | Cottony Peach Scale                                | 3   | Dormant                                    |
| PLUMS & PRUNES            | European Red Mite<br>European Fruit Lecanium Scale | 2   | Dormant to Delayed Dormant 1/2" Green      |
| SWEET CORN<br>FIELD CORN  | Ear Worms  | 2   | Summer                                     |
|                           | Fall Army Worm<br>Corn Root Worm                   | 2   | Spring - Early                             |
| SUGAR BEETS               | Mites<br>Leaf Miner                                | 2 Gal/Acre  | As Needed                                  |
| BLUEBERRIES               | Scales   | 3   | Dormant                                    |
|                           | Mites  | 2   | Summer                                     |
| GRAPES                    | Mealybugs  | 1 Gal/Acre  | Dormant                                    |
| FIGS                      | Scale (Severe)                                     | 3 Gal/Acre<br>or<br>2 Gal/100 Gals Water                    | Dormant/Delayed Dormant                    |
| OLIVES                    | Scales   | 1.5 Gal/100 Gal Water                                       | Prebloom or Postbloom to Buckshot          |
| ALMONDS                   | Aphid Eggs<br>Scales                               | 1   | Summer                                     |
|                           | Spider Mites                                       | 1 - 1.5   | Dormant                                    |

| Crop   | Pest   | Dilute Gals/100 Gals | Concentrate* Gal/Acre |
|--------|--|----------------------|-----------------------|
| CITRUS | Citrus Rust Mite<br>Scale Insects<br>Greasy Spot Disease | 1.5                  | 15                    |
|        | Spider Mites<br>Whitefly<br>Loosens Sooty Mold           | 0.75                 | 7.5                   |

\*Apply in sufficient water and manner to assure thorough distribution.

| Crop                          | Insect Control Aid  | Dilution Rate:<br>% or Gals of 415 Oil 98<br>per 100 Gals of Water | Time of Application              |
|-------------------------------|---|--|----------------------------------|
| SHADE TREES<br>& SHRUBS       | Aphids<br>Adelgids<br>Certain Caterpillars<br>Gall Mites<br>Lace Bugs<br>Leaf Beetle Larvae<br>Mealybugs<br>Plant Bugs (Immature)<br>Psyllids (Immature)<br>Sawfly Larvae<br>Scales (Immature)<br>Spider Mites<br>Whiteflies (Immature) | 2-3  | Summer                           |
|                               |   | 3  | Dormant                          |
| FLOWER &<br>FOLIAGE<br>PLANTS | Aphids<br>Certain Caterpillars<br>Mealybugs<br>Scales (Immature)<br>Spider Mites<br>Whiteflies (Immature)   | 2  | .....<br>.....<br>.....<br>..... |

(Use a lower concentration for more sensitive plants)

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such as captan, folpet, dyrene, karathane, morestan or any other product containing sulfur. If possible, either keep the spray equipment used for these compounds separate from the equipment used for oil, or make sure that the sprayer is thoroughly cleaned so that no residue from these compounds remain. Do not use with carbaryl on deciduous fruit trees. Do not use with dimethoate.

#### SHADE TREE AND ORNAMENTAL PLANT RESTRICTIONS

Oil removes the glaucous (blue) bloom from such evergreens as Colorado Blue Spruce and Koster Spruce. Spray no more than four times during the growing season; two week minimum application interval. Do not spray to Walnut Foliage. Use lower dosage on oil sensitive plants such as Chamaecyparis, Cryptomeria, Japanese Holly, Red Cedar and Smoke Tree.

#### CITRUS

Oils applied after October may increase cold damage to trees; applied in August and September may affect solid contents, retard color.

#### EFFICACY

A wide range of mite and insect pests in the egg stage such as: spider and eriophyid mites, armored and soft scales, mealy-bugs, psyllids, whiteflies, aphids, leafrollers, leaf tiers, webworms, cankerworms, plant bugs, leafhoppers and adelgids. Will kill other immature forms if spray covers the insect.

#### STORAGE AND DISPOSAL

1. **Prohibitions:** Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited.
2. **Storage:** Store in a cool, dry, locked area out of the reach of children. Keep oil container tightly closed in storage to prevent entry of water.
3. **Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.
4. **Container Disposal:** **Metal** - 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. **Plastic** - Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

#### WARRANTY - CONDITION OF SALE

OUR RECOMMENDATIONS FOR USE of this product are based upon tests believed reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended, and other influencing factors in the use of this product are beyond the control of the Seller. Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith. In no case shall Drexel or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product when such use and/or handling is not in strict accordance with directions given herewith. The foregoing is a condition of sale by Drexel Chemical Company and is accepted as such by the Buyer.