



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

FEB 10 2000

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Luz G. Piwonka
Registration Manager
Drexel Chemical Company
P.O. Box 13327
Memphis, TN 38113-0327

Subject: Label Amendment: Addition of Christmas Trees, aerial application, etc.
Damoil
EPA Reg. No. 19713-123
Submissions dated January 6, 2000 and February 2, 2000 (data compensation)

Dear Ms. Piwonka:

The labeling referred to above submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable subject to the comments specified in my letter of January 20, 2000 and also listed below: A stamped copy of the label "accepted with comments" is enclosed for your records.

a) The directions for use must specify application rates for all use sites in volume of the active ingredient or the formulated product per acre.

You may also want to consider in the future using the new First Aid statement implemented by the Agency's Consumer Labeling Initiative.

The recommended wording for First Aid for toxicity category 1, 2 and 3 are as follows and should be presented in a table format:

FIRST AID

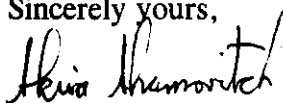
Have the product container or label with you when calling a poison control center or doctor or going for treatment

If swallowed:	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Do not induce vomiting unless told to by a poison control center or doctor. • Do not give anything to an unconscious person.
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If in eyes:	<ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.• Call a poison control center or doctor for treatment advice.
If on skin:	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15-20 minutes.• Call a poison control center or doctor for treatment advice.
If inhaled:	<ul style="list-style-type: none">• Move person to fresh air.• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.• Call a poison control center or doctor for further treatment advice.

Please submit five (5) copies of the revised label and the final printed label for our files prior to releasing the product for shipment. If you have any questions please call me at (703) 308-8328.

Sincerely yours,



Akiva Abramovitch, Ph.D.

Chemist

Insecticide-Rodenticide Branch
Registration Division (7505C)

ACCEPTED
with COMMENTS
In EPA Letter Dated:

FEB 10 2000
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under EPA Reg. No. 19713-123



Revised
Amendment
Label

Damoil™

Dormant & Summer Spray Oil

ACTIVE INGREDIENT:
Petroleum Oil* 98.0%

OTHER INGREDIENTS: 2.0%

TOTAL: 100.0%

*Petroleum Oil Min. Unsulfonated Residue - 92%
Petroleum Oil Classification - Unclassified

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

See FIRST AID Below
SHAKE WELL BEFORE USING

EPA Reg. No. 19713-123
EPA Est. No. 19713-TN-1 Net Contents: _____

FIRST AID

IF SWALLOWED: Do not induce vomiting because of aspiration hazard. Call a physician or Poison Control Center.

IF IN EYES: Immediately flush eyes with plenty of water. Get medical attention if irritation persists.

IF ON SKIN: Wash skin with soap and plenty of water. Get medical attention if irritation persists.

IF INHALED: Remove victim to fresh air. Apply respirator if indicated.

PRECAUTIONARY STATEMENTS
Hazards to Humans and Domestic Animals

CAUTION: Harmful if swallowed. Avoid breathing of spray. Do not take internally. Avoid contact with skin and eyes. Causes moderate eye irritation.

PERSONAL PROTECTIVE EQUIPMENT (PPE)
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 and 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
Toxic to fish. For terrestrial uses only. 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 apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment or disposal of waste.

PHYSICAL OR CHEMICAL HAZARDS
Do not use, pour, spill or store near heat or open flame.

GENERAL INFORMATION
DAMOIL is an especially refined phytonomic oil contact insecticide. It is for use on plants in foliage or the dormant stage. This product may be applied in conventional hydraulic sprayers, concentrate application equipment, ground applicators or aerial. The rates are recommended on a per 100 gallons of dilute spray, except where indicated.

Air Application: Apply the quantity of product indicated in sufficient water to make a minimum of 20 gallons of spray per acre except where indicated otherwise. Air application is recommended only if growing and/or soil conditions indicate a ground application to be infeasible. Do not use this product when temperatures are above 90°F. 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 32°F and are free from moisture due to melting frost or heavy dews. Application to trees weakened by disease, drought, drying winds or high nitrogen applications may result in oil injury.

Tank mix only with products registered for use on the specific crop to be treated. When using this product in combination with other pesticides as directed on this label, observe the most restrictive rates, tank mixing prohibitions, precautionary statements and limitations listed on the product labels involved.

DO NOT USE this product in combination with or immediately preceding or following applications of captan, carbaryl, chloropropylate, dichloro, dikar, dyrene, folpet, karathane, morestan, morocide, propargite and sulfur compounds. Check tank mixtures for physical and chemical compatibility. Mix only enough material to do the job.

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.

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, 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), restricted entry interval (REI) and notification of workers. 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 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, and shoes plus socks.

Manufactured By:
Drexel Chemical Company
P.O. BOX 13327, MEMPHIS, TN 38113-0327
SINCE 1972

Dilute this product with water before use.

Amounts given are for 100 gallons of diluted spray solution unless otherwise noted.

ALFALFA: Seed Crop Only—Use 1 quart per acre in 20 to 30 gallons of spray solution by ground application or 10 to 15 gallons by air when used in combination and at the recommended label rates with either a Malathion 5 pound emulsive for control of the pests listed on the product labels. Spider mites: Use 1 quart per acre at the dilutions noted above.

ALMONDS, APRICOTS, CHERRIES, NECTARINES, PEACHES, PLUMS, PRUNES: Dormant or Delayed Dormant—Black scales, Brown apricot scales, Eggs of Aphids, European fruit lecaniums, Frosted scales, Italian pear scales, Oleander scales, Olive scales (Parlatoria scales), Parlatoria, Putnam scales, Red spider mites, San Jose scales, Soft brown scales, certain other Scale insects: Apply 1½ to 2 gallons. **Summer Use**—Red spider mites: Apply 3 to 4 quarts. Summer stages of Brown apricot scales, San Jose scales: Apply 1 gallon.

APPLES: Delayed Dormant—Rust mites: Apply 1½ to 2 gallons. **Summer Use**—Apply 1 to 1½ gallons.

APPLES, PEARS: Dormant or Delayed Dormant—Eggs of Aphids, Italian pear scales, Red spider mites, San Jose scales: Apply 1½ to 2 gallons. **Summer Use**—Red spider mites: Apply 3 to 4 quarts.

Concentrated Sprayers: Pears (CA only)—Apply 4 to 6 gallons in 90 to 120 gallons of spray solution per acre. Summer forms of Italian pear scales and San Jose scales: Apply 1 to 1½ gallons.

CHRISTMAS TREES: Winter Use—Aphids, Adelgids, Scales (soft and hard), Spider mites: Apply 2 to 4 gallons. **Summer Use**—Apply 1 to 3 gallons.

FIGS: Dormant or Delayed Dormant—Fig scales: Use 3 gallons of this product.

FLOWER AND FOLIAGE PLANTS—Aphids, Adelgids, Bugs (Immature), certain Caterpillars, Ericphyid mites, Gall mites, Lace bugs, Leaf beetle larvae, Leafminers, Mealybugs, Psyllids (immature), Sawfly larvae, Scales (immature), Spider mites, Whiteflies (Immature): Apply 2 to 3 gallons at Winter/Dormant as needed. Apply 1 to 2 gallons as foliar or cover at Summer as needed.

GRAPES: Dormant—Mealybugs: Apply 4 to 6 gallons in 200 to 300 gallons of spray solution per acre.

LEMONS, GRAPEFRUIT: Black scales, Purple scales, Red scales, Red spider mites, Yellow scales—Apply 1 to 1½ gallons of this product, plus 1 pound of a Malathion 25 Wettable. For best results, spray during Winter and Spring months when Red scales are more easily controlled and trees generally less reactive to oil sprays. Do not use within 8 weeks of harvest on Lemons.

OLIVES: Black scales, Oleander scales, Parlatoria scales, Spider mites—Apply 1½ gallons of this product per 100 gallons of spray solution per acre. Apply in the pre-bloom or in post-bloom up to buckshot.

NAVEL ORANGES: Black scales, Purple scales, Red scales, Red spider mites, Yellow scales—Apply 3 quarts of this product, plus 1 pound of a Malathion 25 Wettable. Do not use on Navel oranges after September 1.

VALENCIA ORANGES: Black scales, Purple scales, Red scales, Red spider mites, Yellow scales—Apply 1 gallon not later than September 1; or 3 quarts of this product plus 1 pound of a Malathion 25 Wettable, applied not later than September 15.

PEARS: Delayed Dormant—Pear psylla: Apply 2 gallons. **Summer Use**—Apply 1 to 1½ gallons. Bliester mites: **Delayed Dormant and Fall Spray**—2 gallons.

ORNAMENTALS AND SHADE TREES [Apple, Birch, Conifers (See Note), Dogwood, Flowering cherry, Flowering peach, Hawthorne, Holly, Magnolia, Maple, Oak, Privet, Pyracantha, Sycamore]—Aphids, Adelgids, Black scales, Brown apricot scales, certain Caterpillars, Gall mites, Lace bugs, Leaf beetle larvae, Mealybugs, Plant bugs (Immature), Psyllids (immature), Oyster shell scales, Red spider mites and eggs, San Jose scales, Sawfly larvae, Soft brown scales, Whiteflies (Immature). **On all varieties when in leaf**—Apply 1 gallon per 100 gallons of spray solution per acre. **Dormant Spray on Deciduous Varieties**—Apply 2 gallons per 100 gallons of spray solution. **Dormant Spray on Evergreen Varieties**—Apply 1 gallon per 100 gallons of spray solution.

Note: Oil removes the glaucous (blue) bloom from such Evergreens as Colorado blue spruce and Koster spruce. Do not spray to Walnut foliage. Always use lower dosage or test spray oil sensitive plants such as Chamaecyparis, Cryptomeria, Japanese holly, Smoke tree and Spruce.

Do not use on Conifers or Ferns not tolerant to oil sprays. Keep sprays away from open blooms; bleaching and spotting has been observed with the open blooms of certain plants.

WALNUTS: Late Spring to Mid-Summer Only—Summer stages of

European fruit scales, Frosted scales, Red spider mites, San Jose and other Soft-shelled scales: Apply 2 to 4 quarts. Do not apply after husk split.

MIXING DIRECTIONS: With agitator running start filling spray tank with water. When combining with wettable powder insecticides or fungicide products, add these first when tank is ¼ filled. Add DAMOL when tank is about ½ full and while there is sufficient agitation of the spray to insure complete emulsification. Continue adding water up to the required volume of spray solution.

MIXING INSTRUCTIONS: 1) Add enough water to mix tank to begin agitation. 2) Add micronutrients and other desired pesticide. If dry pesticide products are used, pre-mix the materials with water thoroughly and add to mix tank. **DO NOT** add this product before uniform mixture of pesticide and water is obtained. 3) Maintain agitation until the spray is applied. Flush any spray mixture remaining in the hoses back into the tank if the solution stands for more than 20 minutes.

For foliage application, the spray tank must be free of any sulfur residue before using this product. Do not combine sulfur sprays with this product on foliage and do not follow a previous application of sulfur or apply sulfur following this product until sufficient time has elapsed for safety (at least 30 days) except in the Northwest (OR and WA), where it may be used in combination of Pears as a post-harvest (after all fruit is off the tree), Dormant and Delayed Dormant (before scales slip, or at or prior to bud swell) treatment and on Apples prior to or up to the Delayed Dormant (½ green) period. If in doubt, spray a portion of one tree previously treated with sulfur, using 1 quart to 25 gallons of water. If sufficient time has not elapsed, burn will show in several days.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage, disposal and cleaning of equipment.

PESTICIDE STORAGE: Storage should be under lock and key in a ventilated room and secure from access by unauthorized persons and children. Storage should be in a cool, dry area away from any heat or ignition source. Do not stack over 2 pallets high. Move containers by handles or cases. Do not move containers from one area to another unless they are securely sealed. Keep container tightly sealed when not in use. Keep away from any puncture source. Avoid storage near water supplies, food, feed and fertilizer to avoid contamination. Store in original containers only. If the contents are leaking or material is spilled follow these steps:

1. Contain spill, absorb with a material such as sawdust, clay granules or dirt.
2. Collect and place in suitable containers for disposal.
3. Wash area with water and soap to remove remaining pesticide.
4. Follow washing with clean water rinse.
5. Place leaking container in a plastic tub and transfer contents as soon as possible to an empty original container.
6. Do not allow runoff to enter sewer or contaminate water supplies.
7. Dispose of waste as indicated below:

PESTICIDE 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 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 Manufacturer 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 the Seller and is accepted as such by the Buyer.