

APR 17 1996

Dr. Don O'Shaughnessy
Riverside/Terra Corporation
600 Fourth Street
Post Office Box 6000
Sioux City, Iowa 51102-6000

Subject: Acute Toxicity Data; Revised Labeling--
Worker Protection Standard Text
Riverside Dormant Oil 435
EPA Registration Number 9779-251
Your Submission Dated May 26, 1995

Dear Dr. O'Shaughnessy:

We have completed our review of the acute toxicity data that you submitted in support of this product registration. Results of the review may be summarized as follows:

<u>Study</u>	<u>MRID Number</u>	<u>Toxicity Category</u>
Acute oral toxicity	436634-01	IV
Acute dermal toxicity	-02	IV
Acute inhalation toxicity	-03	IV
Primary eye irritation	-04	III
Primary dermal irritation	-05	III
Dermal sensitization	-06	Non-sensitizer

All studies were acceptable.

In the Statement of Practical Treatment:

You may delete the directions for "If Inhaled."

You may revise the directions for "If In Eyes" to "Flush eyes with plenty of water. Call a physician if irritation persists."

Revise the directions for "If On Skin" to "Wash with plenty of soap and water. Get medical attention if irritation persists."

Revise the Hazards to Humans and Domestic Animals section as follows:

Harmful if swallowed. If swallowed, do not induce vomiting. Avoid contact with eyes, skin, or clothing.

Your proposed changes in the Worker Protection Standard sections of the label relating to personal protective equipment are acceptable.

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. The required revision to the Statement of Practical Treatment/If On Skin noted above. (You may also make the other revisions to the Statement of Practical Treatment.)
- 2. The required revision to the Hazards to Humans and Domestic Animals section noted above.

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. We have also enclosed copies of the reviewers' reports for your information.

Sincerely yours,

DHE

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

Enclosures

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DORMANT OIL 435

An emulsifiable concentrate useful for the control of certain insect pests and as an additive to certain fungicidal sprays

ACTIVE INGREDIENT		
Paraffinic Hydrocarbon Oil*		98.8%
INERT INGREDIENTS		1.2%
	TOTAL	100.0%

*Unulfonated Residue 92% Min

KEEP OUT OF REACH OF CHILDREN

CAUTION

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Do not induce vomiting. Have victim lie down and keep quiet. Never give anything by mouth to an unconscious person. Get medical attention immediately.

IF INHALED: Remove victim to fresh air and apply respiration if indicated.

IF IN EYES: Rinse eyes for at least 15 minutes with water and call a physician immediately.

IF ON SKIN: Wash promptly with soap and water. Rinse thoroughly.

PRECAUTIONARY STATEMENTS

CAUTION

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Harmful if swallowed. If swallowed, do not induce vomiting. Avoid contact with skin. Avoid breathing spray mist. Wash hands after using. Do not store near feed or food products. Causes eye irritation. Avoid contact with eyes. In case of contact, flush eyes with water for at least 15 minutes and get medical attention.

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.

Applicators and other handlers must wear long sleeved shirt and long pants, chemical resistant gloves (such as barrier laminate or nitrile rubber or neoprene rubber or viton), shoes plus socks, ~~and~~ protective eyewear, and a chemical resistant apron when cleaning equipment. ~~For exposures in enclosed areas use a respirator with either an organic vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14C). For exposures outdoors, use a dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21G).~~

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.

Read Additional PRECAUTIONARY STATEMENTS,

EPA Reg No 9779 251

Manufactured For
RIVERSIDE/TERRA CORPORATION
P O Box 6000 Sioux City Iowa 51102
Riverside Serves Agriculture Agriculture Serves Everyone

ACCEPTED
with COMMENTS
in EPA Letter Dated

NET CONTENTS

APR 17 1996

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
9779-251

3/11/4

USER SAFETY RECOMMENDATIONS

Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

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 treated areas. Do not apply where runoff is likely to occur. Do not contaminate water when disposing of equipment washwaters.

PHYSICAL OR CHEMICAL HAZARDS

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

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, 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 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 or nitrile rubber or neoprene rubber or viton), shoes plus socks and protective eyewear.

NON-AGRICULTURAL USE REQUIREMENTS

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

Keep unprotected persons and pets out of treated areas until sprays have dried.

STORAGE AND DISPOSAL

DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE OR DISPOSAL.

STORAGE

Store in a dry location away from children, animals, foods, feeds, seeds, or other agricultural chemicals. Handle in accordance with information given under PRECAUTIONARY STATEMENTS. In the event of spillage or leakage, soak up material with absorbent clay, sand, sawdust, or other absorbent material. Scrape up and dispose of in accordance with information given under DISPOSAL. Repackage and relabel useable product in a sound container. In case of fire or other emergency, report at once by toll-free telephone to 800-424-9300.

DISPOSAL

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: Plastic Containers--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. Metal Containers--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.

GENERAL INFORMATION

DORMANT OIL 435 is a blend of special surfactant with phytobland (non-phytotoxic oil) in the 70 second viscosity range.

PREPARATION WITH APPLICATION OF SPRAY EMULSIONS

Fill spray tank half full of water. Add the proper amount of herbicide while agitating and then add DORMANT OIL 435. Continue to agitate while finishing filling and agitate before and during each application to insure a uniform spray emulsion.

FOR APPLICATION WITH FUNGICIDES

Use 1 pint to 1 quart of DORMANT OIL 435 per acre of crop treated. DORMANT OIL 435 is particularly suggested for use with BENOMYL and MANCOZEB when they are used for the control of Cercospora leaf spot and rust of peanuts.

Generally those using ground applicators will apply 20 to 100 gallons of spray per broadcast acre, with proportionately less for band treatments. If airplane applications are to be made, apply at least 5 gallons of spray per acre.

Carefully read and follow the directions contained on the label of the fungicide with which DORMANT OIL 435 is to be used. For local recommendations, consult competent agricultural authorities.

FOR CONTROL OF INSECTS

DORMANT OIL 435 is useful for the control of certain insect pests of apples, peaches, plums, prunes, cherries, ornamentals and shade trees, pears, pecans, and citrus fruits. General directions for its use are given in the table. However, as cultural practices for these crops vary so much in different areas that specific information for use of DORMANT OIL 435 for a particular crop listed should be obtained from your State Agricultural Extension Service. DORMANT OIL 435 may be used in conjunction with certain insecticides or fungicides for use on apples, peaches, plums, prunes, cherries, ornamentals and shade trees, pears, pecans, and citrus but only if the labels of the insecticides or fungicides give directions for use with spray oils. Such directions must be followed implicitly.

CROPS	PEST CONTROLLED	GALS OF R/S DORMANT OIL 435 PER 100 GALS SPRAY	TIME OF APPLICATION
Apples, Peaches, Plums, Prunes, Cherries	Orchard Mites: For best results, should be followed by an acaricide in pink. Good coverage may eliminate necessity of summer application.	1 to 2	½ inch green. Timing very critical.
	San Jose Scale	2	After leaves drop in fall and before buds swell in spring.
	European Fruit (Lecanium)	2	Dormant
	Fruit tree (Leaf roller)	3	Dormant
Ornamentals, Shade Trees Conifers* holly, pyracantha, sycamore, hawthorne, flowering peach, flowering cherry, apple, magnolia, maple, dogwood, oak, privet, birch	Scales (Brown, soft, ^A oyster shell, brown apricot, black, San Jose), Red spider mites, red spider mite eggs	1	On all varieties when in leaf
		1	Dormant spray on evergreen varieties
		2	Dormant spray on deciduous varieties
*May cause discoloration of blue spruce. Do not use on conifers or ferns not tolerant to oil sprays.			
Pears	Orchard Mites	1 to 2	Same as for apples, peaches, plums, prunes and cherries
	Pear Psylla	2	Dormant before appreciable oviposition. Second application one week later if adult psylla are still present.
Pecans	Obscure Scale	3 (If trees are in weakened condition, use only 2.)	Late February until buds first break.

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CROPS	PEST CONTROLLED	GALS OF R/S DORMANT OIL 435 PER 100 GALS SPRAY	TIME OF APPLICATION
Citrus	Whiteflies, Spider Mites, Greasy Spot, Loosens Sooty Mold, Scales. (Does not control snow scale.)	1	Do not apply with sulfur or within 30 days of each other. Oil applied after October may increase susceptibility of trees to cold damage and may reduce the crop the following year. Oil applied in the fall may inhibit solids formation and retard fruit coloring. Do not apply to drought-stricken trees. Do not use oil when humidity is 30% or less. Irrigate; then apply oil.

NOTICE: Seller warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to the Seller, and Buyer assumes the risk of any such use.