



U.S. ENVIRONMENTAL PROTECTION AGENCY
 Office of Pesticide Programs
 Registration Division (7505C)
 401 "M" St., S.W.
 Washington, D.C. 20460

EPA Reg. Number:
 9779-336

Date of Issuance:
 MAY 25 1995

NOTICE OF PESTICIDE:
 Registration
 Reregistration

Term of Issuance: Until
 Reregistration

Name of Pesticide Product:
 Riverside Dormant
 Oil 415

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Riverside/Terra Corporation
 P.O. Box 6000
 Sioux City, Iowa 51102-6000

Noter Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) 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; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

2. Change the label by revising the EPA Registration Number to read, "EPA Reg. No. 9779-336."

3. Submit two copies of the revised final printed label for the record.

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 constitutes acceptance of these conditions.

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

Signature of Approving Official:

DHE

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

Date:

5/25/95

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DORMANT OIL 415

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		<u>1.2%</u>
	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, 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-14G). For exposures outdoors, use a dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C).

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-

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

ACCEPTED
with COMMENTS
by EPA Letter Dated

MAY 25 1995

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

9779-336

NET CONTENTS

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-Triplic 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 415 is efficacious on 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. It will kill other immature forms if spray covers the insect.

Dormant Oil 415 can be used as a carrier for *Bacillus thuringiensis* when applied through a mist blower or cold fog machine. It may be used with Ethion[®] to obtain two modes of insecticidal action. Dormant Oil 415 may be used with Permethrin on cotton only or used in a tank mix with Lorsban on apples, pears, plums, prunes, peaches, sweet corn and field corn. For use on apples, pears, plums, prunes, pecans, peaches, ornamentals including shade trees and shrubs, and citrus (oranges, grapefruit, lemons), this product can be tank mixed with Supracide[®]. Dormant Oil 415 can be used as a spreader or carrier for certain synthetic organic insecticides applied for pest control in habitable buildings.

*Note: Supracide is a "Restricted Use Pesticide."

CAUTION

Keep oil container tightly closed in storage to prevent entry of water. All horticultural oils interfere with or slow plant transpiration and respiration during the period of evaporation. Phytotoxicity may result if sprayed to plants during periods of prolonged high temperature and high relative humidity. Do not spray to plants under moisture stress. Do not use in combination with or immediately before or after spraying with dinitro compounds, fungicides 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. Also do not use with dimethoate.

MIXING DIRECTIONS

1. Add sufficient water to the mixing tank to allow proper agitation by pump or paddles. 2. Add other desired pesticides, if wadable powder formulation, mix the water powder thoroughly so that the powder is totally suspended in the water before the oil is added. If 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 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.

APPLICATION INSTRUCTIONS

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

Do not combine with sulfur sprays and do not apply spray oil within 30 days before or after an application of sulfur except in the Northwest (Oregon and Washington) where it may be used in combination on pears as a post harvest (after fruit is off the tree), dormant, and delayed dormant (before the scales slip, or at a prior to bud set) treatment, and on apples prior to or up to the delayed dormant (1/2" green) period.

RESTRICTIONS

When applied to shade tree and ornamental plants, the oil removes the glaucous (blue) bloom from such evergreens as Colorado blue spruce and Koster spruce. Do not spray to walnut foliage. Use lower dosage on oil sensitive plants such as *Chamaecyparis*, *Cryptomeria*, Japanese Holly, Red Cedar and Smoke Tree. When used on citrus, oils applied after October may increase cold damage to trees; applied in August and September may affect solid contents, retards color.

RATES: Apply according to the following tables:

CROPS	PESTS CONTROLLED	GALS OF R/S DORMANT OIL 415 PER 100 GALS SPRAY	TIME OF APPLICATION
Almonds	Aphid Eggs Scales Spider Mites	1 to 1.5	Dormant
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
Peaches	Cottony Peach Scale	3	Dormant
Pears	Fruit Tree Leaf Roller	3	Dormant
	Pear Leaf Blister Mite	3	Dormant
	Pear Psylla	2	Late Dormant
Plums & Prunes	European Red Mite	2	Dormant to Delayed Dormant 1/2" Green
	European Fruit Lecanium Scale	2	
Olives	Scale	1.5	Prebloom or postbloom to buckshot
Blueberries	Scales Mites	3	Dormant
Figs	Scale (severe)	3 gal./acre or 2 gal./100 gal. water	Dormant/ Delayed Dormant
Grapes	Mealybugs	1 gal./acre	Dormant
Pecans	Obscure Scale	3	Dormant
Sweet Corn Field Corn	Ear Worms Fall Armyworm Corn Root Worm	2	Spring-Early
Sugar Beets	Mites Leaf Miner	2 gal./acre	As needed
For aerial application to the above crops (dormant and Delayed Dormant Application only): apply 3 to 6 gallons in a minimum of 15 gallons of water per acre. Apply by air only when soil conditions do not permit regular ground application.			

Shade Trees & Shrubs	Aphids, Adelgids, Certain Caterpillars, Gall Mites, Lace Bugs, Leaf Beetle Larvae, Mealybugs, Plant Bugs (immature), Psyllids (immature), Sawfly Larvae, Scales (immature), Spider Mites, Whiteflies (immature)	3	Dormant
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CROPS	PESTS CONTROLLED	DILUTE Gals./100 Gals.	CONCENTRATE* Gal./Acre
Citrus	Citrus Rust Mite Scale Insects Greasy Spot Disease	1.5	15
	Spider Mites Whitefly Loosens Sooty Mold	0.75	7.5

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

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.

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