

7969-38

11/03/2003

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

Edward G. Jordan, Ph.D.
Registration and Regulatory Affairs
BASF Corp; Agricultural Products
P.O. Box 13528
Research Triangle Park, NC 27709

NOV - 3 2003

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Subject: FPA Reg. No. 7969-38
Rebelate® 2E
Label Amendment to Delete Public Health
and Residential Ornamental Uses
Your Letter dated April 30, 2001

S-596778

Dear Dr. Jordan:

Your submission referred to above is acceptable provided that you add the following paragraph before the "Outdoor Ornamental Nursery Stock (Ground Application Only)" section on page 5.

ORNAMENTAL PLANTS GROWN IN NURSERIES ONLY
Do not use on ornamental plants grown in greenhouses, shade houses, Christmas tree and conifer plantations, landscapes, interiorscapes and residential, public, recreational, commercial, industrial and institutional establishments."

A stamped copy of the labeling is enclosed for your records. Submit one copy of the of your final printed labeling before you release the product for shipment. If these conditions are not complied with, the registration is subject to cancellation in accordance with FIFRA §6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions. Should you have any questions, do not hesitate to contact the reviewer of this product, Mr. S. Oonnithan at 703-605-0368.

Sincerely,

Daniel C. Kenny
Product Manager - 01
Insecticide Rodenticide Branch
Registration Division (7505C)

Encl.

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BASF

**ACCEPTED
with COMMENTS
In EPA Letter Dated:
NOV - 3 2003**

Rebelate™ 2E
Dimethoate Systemic Insecticide

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for this pesticide registered under EPA Reg. No. 7969-38

A broad spectrum contact, systemic and residual insecticide for agricultural use on outdoor ornamental nursery stock including American holly, English holly, arborvitae, azaleas, birch, boxwood, camellias, carnations, cedar, cypress, daylilies, Euonymus, Ficus nitida, gardenia, gerberas, gladiolus, hemlock, iris, juniper, oak, pine, poinsettia, rose, taxus.

Active Ingredient

Dimethoate* [O, O-dimethyl S-[N-(methylcarbamoylmethyl)] phosphorodithioate).....	22.7%
Other Ingredients	77.3%
Total	100.0%

* 1 gallon contains 2.0 pounds of Dimethoate

EPA Reg. No. 7969-38

**KEEP OUT OF REACH OF CHILDREN
WARNING/AVISO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand this label, find someone to explain it to you in detail.)

See inside booklet for complete **First Aid, Precautionary Statements, Directions For Use, and Conditions of Sale and Warranty.**

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to supplemental labeling under "Agricultural Use Requirements" in the **Directions For Use** section for information about this standard.

Net contents: 1 gallon

Product of Denmark

BASF Corporation
P.O. Box 13528, Research Triangle Park, NC 27709-3528

Precautionary Statements

Hazard to Humans (and Domestic Animals)

WARNING. May be fatal if swallowed. May cause eye injury. Harmful if absorbed through skin. Harmful if inhaled. May cause irritation of the nose and throat. Do not get into eyes. Avoid breathing the vapor or spray mist. Keep away from domestic animals and foodstuffs. Do not contaminate or apply onto feed or foodstuffs.

FIRST AID	
Contains an organophosphate that inhibits cholinesterase.	
If swallowed	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
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 first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If on skin or clothing	<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.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact BASF Corporation for emergency medical treatment information: 1-800-832-HELP (4357).	
NOTE TO PHYSICIAN	
This product may cause cholinesterase inhibition. Atropine is antidotal. Pralidoxine chloride (2-PAM; PROTOPAM chloride) may be effective as an adjunct to atropine. Use according to directions.	

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 G on an EPA chemical resistance category selection chart.

Applicators and other handlers (except mixers and loaders) must wear:

1. Long-sleeved shirt and long pants
2. Chemical-resistant gloves, such as barrier laminate or viton
3. Shoes plus socks
4. Protective eyewear

5. Chemical-resistant headgear for overhead exposure

Mixers and loaders must wear:

1. Long-sleeved shirt and long pants
2. Chemical-resistant gloves, such as barrier laminate or viton
3. Shoes plus socks
4. Protective eyewear
5. Chemical-resistant headgear
6. For exposure 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 outdoor exposure, use a dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C).

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering Control Statement:

Human flaggers must be in enclosed cabs. 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

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

This pesticide is toxic to wildlife and aquatic invertebrates. 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. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters. This product is highly toxic to bees exposed to direct treatment

or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or 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 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.

Read the precautionary statement, environmental hazards, storage and disposal statements, and **Conditions of Sale and Warranty** statement appearing in this booklet.

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 and restricted-entry intervals. 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 48 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 viton
- Shoes plus socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure

Storage and Disposal

Prohibitions: Do not contaminate water, food or feed by storage or disposal. Do not store under conditions which might adversely affect the container or its ability to function properly.

Pesticide Storage: Do not store below temperature of 32 degrees F., as it may tend to

crystallize. Avoid storage above 90 degrees F., as prolonged storage above 90 degrees F. may cause some loss in grade. Store in safe manner. Store in original container only. Keep container tightly closed when not in use. Reduce stacking height where local conditions can affect package strength.

Pesticide Disposal: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

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.

Directions For Use

Not for use or storage in or around the home.

Do not use this product for any use not specified on this label. This product is intended for use by the commercial grower or commercial applicator in conventional hydraulic sprayers or grounds applicators.

Outdoor Ornamental Nursery Stock (Ground Application Only)

Do not use on ornamental plants not listed. Do not use on any ornamental stock plants grown as a source of propagation material, such as cuttings, layers, rootstocks or scions for grafting or budding. Do not use in spray mixtures containing oil. Do not use on plants growing in greenhouses.

When applying by ground equipment, use recommended amount in sufficient water for thorough coverage, usually 25 to 50 gallons per acre unless otherwise specified. Repeat applications as necessary unless otherwise specified. Consult your State Extension Service Specialist for specific timing of applications.

Compatibility

Rebelate 2E is compatible in spray tank mixes with most insecticides, miticides, and fungicides, provided that they are not alkaline in reaction. Field experience indicates that **Rebelate 2E** has been satisfactorily mixed with Sevin®, Diazinon®, malathion, Kelthane®, captan, zineb, and thiram. Because uniform dispersibility and sprayability may be influenced by pesticide combinations used, it is recommended that compatibility be determined before adding pesticides to the spray tank. The addition of Multi-film X-17 at recommended rates will usually eliminate incompatibility noted.

For proper mixing, spray tank should be at least three quarters filled with water before adding **Rebelate 2E** formulations. Mechanical agitation or recirculation through pump bypass to tank is usually sufficient for maintaining a good dispersion. For knapsack equipment, be sure sufficient agitation is used to disperse **Rebelate 2E**.

Tank mixing must be done in accordance with the most restrictive of label limitations and precautions for all products to be mixed. No label dosage rates should be exceeded. This product cannot be mixed with any products containing a label prohibition against such mixing.

Specific Uses

(Type of plant: pests controlled - amount of Rebelate 2E per ½ gallon of water)

Arborvitae:

Aphids, Bagworms, Mites - 2 teaspoonfuls per ½ gallon of water

Azaleas:

Lace Bugs, Leafminers, Mites, Tea Scale and White Flies - 1 teaspoonful per ½ gallon of water.

Birch:

Aphids and Leafminers - ½ teaspoonful per ½ gallon of water. For leafminers, apply when leaves are expanded (about Mid May) and repeat in early July.

Boxwood:

Leafminers, Mealy Bugs and Mites - 1 teaspoonful per ½ gallon of water. For leafminers, apply in spring when leafminer flies first appear or in early summer for control of larvae in the infested leaves.

Camellias:

Aphids, Camellia Scale, Mites and Tea Scale - 1 teaspoonful per ½ gallon of water.

Foliar Spray: Apply 2 sprays 6 weeks apart the first year followed by annual applications soon after first growth begins in the spring. **Soil Drench:** Apply **Rebelate 2E** as a soil drench around the base of plants early spring at the rate of 4 tablespoons per gallon of water per plant up to 6 feet tall. Increase this rate proportionately for larger plants.

Carnations:

Aphids, Thrips and Mites - 1 teaspoonful per ½ gallon of water. **Soil Drench:** Apply as a soil drench at the rate of 4 fluid ounces per 500 square feet of bed or bench (5 qts. per ½ acre) in sufficient water for even distribution. Water in thoroughly following

application.

Cedar:

Mites - 2 teaspoonfuls per ½ gallon of water.

Cypress:

Bactra Moth Larvae - 1 teaspoonful per ½ gallon of water. Apply as a drenching spray.

Daylilies:

Aphids, Thrips - 2 teaspoonfuls per ½ gallon of water.

Euonymus:

Aphids and Scales - 3 teaspoonfuls per ½ gallon of water.

Ficus nitida:

Thrips - 1 teaspoonful per ½ gallon of water. Note: Do not use on potted plants.

Gardenias:

Tea Scale and Whitefly - 1 teaspoonful per ½ gallon of water.

Gerberas:

Thrips - 1 teaspoonful per ½ gallon of water.

Gladiolus:

Aphids and Thrips - 1 teaspoonful per ½ gallon of water.

Hemlocks:

Mites and Scales - 1 teaspoonful per ½ gallon of water.

Holly (English & American, not Burford variety):

Leafminers, Mites and Scale - 1 teaspoonful per ½ gallon of water. For leafminers, apply in spring when leafminer flies first appear, or in early summer for control of larvae in infested leaves.

Iris:

Aphids, Iris Borer, Thrips - 2 teaspoonfuls per ½ gallon of water. For borer control, spray when new leaves are 5 to 6 inches tall.

Oak:

Golden Oak Scale - 2 teaspoonfuls per ½ gallon of water.

Juniper:

Aphids, Bagworms, Midges and Mites, - 2 teaspoonfuls per ½ gallon of water.

Pine:

Aphids, Bagworms, European Pine Shoot Moth, Nantucket Pine Tip Moth and Zimmerman Pine Moth - 2 teaspoonfuls per ½ gallon of water.

Poinsettia:

Mites, Whitefly, Mealybug and Aphids - 1 teaspoonful per ½ gallon of water.

Roses:

Leafhoppers, Thrips, Aphids, Mites - 1 teaspoonful per ½ gallon of water.

Taxus:

Fletcher Scale, Mealybug and Mites - 2 teaspoonfuls per ½ gallon of water.

Conditions of Sale and Warranty

The **Directions For Use** of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result, because of such factors as weather conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of BASF CORPORATION ("BASF") or the seller. All such risks shall be assumed by the Buyer.

BASF warrants that the product conforms to its chemical composition and the specifications thereof. BASF MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES EITHER OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE. Handling, storage and use of the product by Buyer are beyond the control of BASF, and BASF shall not be liable for, and Buyer assumes responsibility for, all personal injury and property damage resulting from handling, possession, use or resale of the material, whether the same is used alone or in combination with other substances. IN NO EVENT SHALL BASF BE RESPONSIBLE FOR SPECIAL INCIDENTAL OR CONSEQUENTIAL DAMAGES WHETHER BUYER'S CLAIM IS IN CONTRACT, NEGLIGENCE OR OTHERWISE.

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