

AUG 08 1994

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Don O'Shaughnessy, Ph.D., D.A.B.T.
Manager, Product Registration
Riverside/Terra Corporation
600 Fourth Street
P.O. Box 6000
Sioux City, IA 51102-6000

Dear Dr. O'Shaughnessy:

Subject: Dimate 2.67E
EPA Registration No. 9779-206
Submission dated August 2, 1994

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable provided that you make the changes which were outlined in our letter to you dated June 8, 1993 as follows:

1. Change the ENVIRONMENTAL HAZARDS section in accordance with the March 1993 "Dimethoate Pesticide Registration Standard (035001)" and PR Notice 93-3 as follows:

"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 by cleaning equipment or disposal of wastes."

2. Under the directions for use for "Field Corn", a 14-day PHI is required.
3. Under the directions for use for "Apples (only)", a 28-day PHI is required.
4. According to our files, the tolerance for cabbage will be exceeded utilizing a 3-day PHI. The PHI for cabbage must be changed to 7 days.

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DIMATE 2.67

Emulsifiable concentrate containing 2.67 pounds dimethoate per gallon

ACTIVE INGREDIENTDimethoate (O,O-dimethyl S-[N-(methylcarbamoyl)
methyl] phosphorodithioate)

31.0%

INERT INGREDIENTS*

69.0%

Total

This product contains 2.67 pounds dimethoate per gallon.

*Product Contains 20.8% Aromatic Petroleum Solvent.

100.0%
ACCEPTED
with COMMENTS
in EPA Letter Used**AUG 08 1994**Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.9779-206**KEEP OUT OF REACH OF CHILDREN****DANGER/PELIGRO** ✓

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)

STATEMENT OF PRACTICAL TREATMENT**ORGANOPHOSPHATE**✓ **IF IN EYES:** Hold eyelids open and flush with steady, gentle stream of water for 15 minutes. Get medical attention.✓ **IF SWALLOWED:** Call a physician or Poison Control Center. Do not induce vomiting. Promptly drink a large quantity of milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol.**IF ON SKIN:** Wash with plenty of soap and water. Get medical attention.**IF INHALED:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. Get medical attention.✓ **NOTE TO PHYSICIANS:** Dimethoate may cause cholinesterase inhibition. Atropine is antidotal. Probable mucosal damage may contraindicate the use of gastric lavage.**PRECAUTIONARY STATEMENTS****DANGER****HAZARDS TO HUMANS AND DOMESTIC ANIMALS**✓ **Corrosive.** Causes irreversible eye damage. Wear goggles or face shield when handling. Harmful if swallowed, inhaled or absorbed through skin. Avoid contact with skin, eyes, or clothing. Avoid breathing vapor or spray mist. Remove contaminated clothing and wash before re-use. Wash thoroughly with soap and water after handling.**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 F on 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, Butyl Rubber, Nitrile Rubber, or Viton, chemical-resistant footwear plus socks, protective eyewear, and a chemical-resistant headgear for overhead exposure. For exposures outdoors, dust/mist filtering respirator (MSHA/NIOSH) approval number prefix TC-21C). For exposure in enclosed areas, a respirator with either an organic-vapor-removing cartridge with a prefix approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G).

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/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.

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

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Engineering Controls Statement:

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

POISONOUS TO FISH AND WILDLIFE: This product is toxic to shrimp, crab, birds and other wildlife. 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. Keep out of lakes, streams, ponds, tidal marshes and estuaries. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment, or disposal of wastes. Apply this product only as specified on this label.

This pesticide 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, pour, spill, or store near heat or open flame.

GENERAL INFORMATION

DIMATE 2.67 is useful for control of certain pests of certain fruit crops, nuts, vegetables, and field crops. DIMATE 2.67 may be applied by ground sprayers or by airplanes, mixing the DIMATE 2.67 in water to form an emulsion spray solution. To make the spray solution, half fill the spray tank with water, agitate, add the proper amount of DIMATE 2.67 and then fill the spray tank with water while still agitating. Continue to agitate during use. When applying with ground sprayers, calibrate so as to apply the recommended amount of DIMATE 2.67 in not less than 3 gallons of water per acre unless directed otherwise. Airplanes should spray the recommended amount of DIMATE 2.67 in 3 to 10 gallons of water per acre unless directed otherwise. Always use sufficient water for adequate coverage of the crop foliage. The dosages given under DIRECTIONS FOR USE are the amounts of DIMATE 2.67 to be applied per acre treated per application. Repeat application as necessary, unless otherwise directed in DIRECTIONS FOR USE. Where a dosage range is given use the lower rate on small or young plants or with light insect infestations; use the higher rate on large or more mature plants or with heavy insect infestations. The hazards and precautions for handling DIMATE 2.67 in this container are equally applicable to it after dilution with water for spray application.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not use 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), notification to workers, 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).

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 Laminite, Butyl Rubber, Nitrile Rubber, or Viton, chemical-resistant footwear plus socks, protective eyewear, and a chemical-resistant headgear for overhead exposure.

Aerial Application:

Automatic flagging devices should be used whenever feasible.

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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, and other agricultural chemicals. Keep container closed when not using. Do not allow water into container as this may cause deterioration of product. Handle in accordance with information given under PRECAUTIONARY STATEMENTS. Do not store under conditions where temperatures may exceed 120°F or be below 45°F. Keep storage area locked when not in use. In the event of spillage or leakage, the absorbent clay, sand, sawdust, or other absorbent coat on material with absorbent clay, sand, saw dust or other absorbent material. Scrape up and dispose of in accordance with information given under PESTICIDE 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: 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 by other procedure approved by state and local authorities.

FIELD CROPS REI 12 hr.			
CROP	INSECTS CONTROLLED	AMOUNT TO APPLY	DAYS BETWEEN LAST APPLICATION AND HARVEST
Alfalfa (grown for hay)	aphids, leafhoppers, lygus bugs, grasshoppers, reduction of alfalfa weevil larvae	¾ to 1½ pints per acre	This pesticide is highly toxic to bees. Do not apply if bees are visiting the areas to be treated when crop or weeds are in bloom. Do not apply within 10 days of harvest or pasturing. Make only one application per cutting. Effective only on cutting to which applied.
Alfalfa (grown for seed)	aphids, leafhoppers, lygus bugs, grasshoppers, reduction of alfalfa weevil larvae	¾ to 1½ pints per acre	This pesticide is highly toxic to bees. Do not apply if bees are visiting the areas to be treated when crop or weeds are in bloom. Do not feed livestock on treated crops, threshings, or hay treated less than 10 days before harvest or pasture stubble sooner than 10 days after treatment.
Field Corn	banks grass mites (excluding Trans-Pecos area of Texas)	1 to 1½ pints per acre Aerial Application: Spray over the foliage when mites appear. Apply above rates in 1 or more gallons of water per acre.	Apply as necessary. Make no more than three application per year. Do not feed or graze within 14 days of last application. Do not apply to corn during the pollen-shed period.
	grasshoppers	1½ pints per acre Ground Application: Apply above rate in 20 to 40 gallons of water per acre. Aerial Application: Apply above rate in 1 or more gallons of water per acre.	Apply as necessary. Make no more than three application per year. Do not feed or graze within 14 days of last application. Do not apply to corn during the pollen-shed period.
Cotton (grown in Arizona & California)	lygus bugs, leafhoppers, thrips, black fleashoppers	¾ to 1½ pints per acre	Do not apply less than 14 days before harvest. Do not repeat applications within 14 days. Do not feed treated forage or graze livestock on treated fields.
Cotton (early season)	aphids, mites	½ to ¾ pints per acre	
Cotton (Oklahoma, Texas)	fleashoppers	½ to ¾ pints per acre	
Safflower (grown in California & Arizona)	aphids, leafhoppers, lygus bugs, thrips	¾ to 1½ pints per acre	Do not apply less than 14 days before harvest. Repeat applications should not be made at intervals closer than 14 days. Make only 2 applications per season at the higher rate.

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FIELD CROPS REI 12 hr.			
CROP	INSECTS CONTROLLED	AMOUNT TO APPLY	DAYS BETWEEN LAST APPLICATION AND HARVEST
Sorghum (milo)	aphids	Moderate to heavy infestations $\frac{1}{2}$ to 1 $\frac{1}{2}$ pints per acre. Light infestations on young sorghum prior to head formation $\frac{1}{3}$ to $\frac{2}{3}$ pint per acre.	Do not feed or graze within 28 days of last application. Apply no more than 3 aerial or 3 ground applications per season as needed. Do not apply after heading.
	bank grass mites (excluding Trans-Pecos area of Texas)	1 $\frac{1}{2}$ pints per acre Ground application: Apply above rates in 25 to 40 gallons of water per acre. Aerial application: Apply above rate in 1 or more gallons of water per acre.	
	sorghum midge	$\frac{1}{2}$ to $\frac{3}{4}$ pint per acre. Aerial applications: Apply above rates in 1 or more gallons of water per acre.	
Soybeans	Mexican bean beetle, spider mites, bean leaf beetle	Aircraft equipment: 1 $\frac{3}{8}$ pints in a minimum of 2 gallons of water per acre.	Do not apply within 21 days of harvest. Do not feed or graze within 5 days of last application.
	grasshoppers	Ground equipment: 1 $\frac{3}{8}$ pints in 25 to 40 gallons of water per acre. Aircraft equipment: 1 $\frac{3}{8}$ pints in 1 or more gallons of water per acre.	
Wheat	aphids (greenbug)	$\frac{1}{2}$ to 1 pint per acre	Do not apply within 14 days of grazing immature plants. Do not harvest grain within 60 days of last application. Do not make more than 2 applications per season.
	brown wheat mite	$\frac{1}{3}$ to $\frac{2}{3}$ pint per acre	
	grasshoppers	1 $\frac{1}{2}$ pints per acre	

CROPS REI 4 days			
CROP	INSECTS CONTROLLED	AMOUNT TO APPLY	DAYS BETWEEN LAST APPLICATION AND HARVEST
Apples (only)	apple maggot † codling moth ††	1 $\frac{1}{2}$ pints per 100 gallons of water	Do not apply when trees or substantial numbers of weeds in the orchard (grove) are in bloom. Apply at petal-fall and every 10 to 14 days thereafter until control is achieved. Do not graze livestock in treated orchards. † Under heavy infestations, some sting injury may occur. †† Midwest and eastern states only
Apples and Pears (bearing and & non-bearing)	aphids, leafhoppers, pear psylla mites (except rust mites)	$\frac{1}{2}$ to 1 $\frac{1}{2}$ pints per 100 gallons of water.	Do not apply less than 28 days before harvest. For apples, do not apply when trees or substantial numbers of weeds in the orchard (grove) are in bloom. Do not graze livestock in treated orchards.
Grapefruit Lemons Oranges Tangerines	aphids	Ground equipment: $\frac{1}{2}$ to 1 $\frac{1}{2}$ pints per 100 gallons water. Apply as an outside coverage spray. Aircraft equipment: 1 $\frac{1}{2}$ to 3 quarts per acre in 5 to 10 gallons water.	Do not apply less than 15 days before harvest.

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CROPS REI 4 days			
CROP	INSECTS CONTROLLED	AMOUNT TO APPLY	DAYS BETWEEN LAST APPLICATION AND HARVEST
	mites (except rust mites)	Ground equipment: ¾ to 1½ pints per 100 gallons water. Apply as thorough distribution coverage spray.	
	thrips	Ground equipment: ¾ to 1½ pints per 100 gallons water. Apply as a mist spray. Aircraft equipment: 3 to 6 pints per acre in 15 to 20 gallons water.	Do not apply less than 15 days before harvest.
	Whiteflies	Ground equipment: 1½ pints per 100 gallons water. Apply as a thorough distribution coverage spray.	Do not apply less than 15 days before harvest.
	Scales (except black or snow)	Ground equipment: 1½ to 2½ pints per 100 gallons water. Apply as a thorough coverage spray.	Do not apply less than 45 days before harvest.
Do not apply when trees or substantial numbers of weeds in the orchard (grove) are in bloom. Make no more than 2 applications to mature fruit. Do not graze livestock in treated orchards.			

FRUIT CROPS REI 4 days			
CROP	INSECTS CONTROLLED	AMOUNT TO APPLY	DAYS BETWEEN LAST APPLICATION AND HARVEST
Citrus (nonbearing) (Arizona & California) Grapefruit Lemons Oranges Tangerines	aphids, thrips	Do not apply when trees or substantial number of weeds in the orchard (grove) are in bloom. Foliar spray: Apply 1½ pints per 100 gallons of water. Repeat application as necessary. Soil Drench: For trees 1 to 3 years old, apply 3 quarts per acre in the furrow or soil ring around the base of the tree. Apply as soon as insect injury to new growth begins. Use only on non-bearing trees. Nursery stock application should not be made in the year trees begin to bear fruit. Do not graze livestock in treated orchards.	

NUTS REI 12 hr.			
CROP	INSECTS CONTROLLED	AMOUNT TO APPLY	DAYS BETWEEN LAST APPLICATION AND HARVEST
Pecans	aphids, mites, leafhoppers	Ground equipment only: 1 pint per acre	Do not apply less than 21 days before harvest. Do not graze livestock in treated groves.
	aphids only	Aerial equipment: 1 pint per acre in a minimum of 5 gallons of finished spray.	

VEGETABLE CROPS REI 12 hr.			
CROP	INSECTS CONTROLLED	AMOUNT TO APPLY	DAYS BETWEEN LAST APPLICATION AND HARVEST

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Beans (green, lima, snap, dry)	aphids, grasshoppers, leafhoppers, leafminers, lygus bugs, mites	¾ to 1½ pint per acre	Beans may be harvested on day of application. Do not feed treated vines. This pesticide is highly toxic to bees. Do not apply if bees are visiting the areas to be treated when crop or weeds are in bloom.
Broccoli Cauliflower	aphids	¾ to 1½ pints per acre	Do not apply less than 7 days before harvest.
Cabbage	aphids	¾ to 1½ pints per acre	Do not apply less than 3 days before harvest.
Celery (Florida)	leaf miners	Ground equipment: 1½ pints per acre.	Do not apply less than 7 days before harvest.
Head lettuce	aphids, leafhoppers, leaf miners	¾ pints per acre	Do not apply less than 7 days before harvest.
Leaf lettuce, Spinach, Collards, Kale, Turnip (greens & roots), Mustard, Greens, Swiss chard, Endive (escarole)	aphids, leafhoppers, leaf miners	¾ pints per acre	Do not apply less than 14 days before harvest.
Melons (except watermelons)	aphids, leafhoppers, leaf miners, thrips	1½ pints per acre.	Do not apply less than 3 days before harvest.
Peas	aphids	¾ pint per acre.	Peas may be harvested on day of application. Do not feed or graze hay within 21 days after last applications when a stationary viner is used. Do not feed or graze when a mobile viner is used. Do not make more than one application per season. This pesticide is highly toxic to bees. Do not apply if bees are visiting the areas to be treated when crop or weeds are in bloom.
Peppers	aphids, leaf miners, maggots	¾ to 1 pint per acre	Peppers may be harvested on day of application.
Potatoes Tomatoes Watermelons	aphids, grasshoppers (Potatoes only), leaf miners, leafhoppers	¾ to 1½ pints per acre	Potatoes may be harvested on day of application. Do not apply less than 7 days before harvest.
Where cabbage worms and cabbage loopers are a problem, the above rates of DIMATE 2.67 are compatible with endosulfan, malathion, or parathion. Use in accordance with the manufacturers' directions for control of these insects.			

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 Seller, and Buyer assumes the risk of any such use.

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