

JUN 08 1993

Ms. Glenda Haage
Riverside/Terra Corporation
600 Fourth St.
Sioux City, IA 51101

Dear Ms. Haage:

Subject: Dimate 2.67
EPA Registration No. 9779-206
Your Application for Pesticide Amendment
Dated March 29, 1993

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 labeling changes listed below before you release the product for shipment:

1. In accordance with the March 1983 "DIMETHOATE Pesticide Registration Standard (035001)" and PR Notice 93-3 the first paragraph of the ENVIRONMENTAL HAZARDS section must be changed to read:

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 section, RE-ENTRY STATEMENT, add a statement that there is a required four day re-entry for citrus.

3. Under the directions for use for field corn a 14 day pre-harvest interval (PHI) is required.

4. Under the directions for use for sorghum change the sentence that reads, "Apply no more than 3 aerial or 3 ground applications per season as needed" so that it reads:

"Make no more than 3 applications as needed per season."

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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5. Under the directions for use apples (only) a 28 day PHI is required.

6. According to our files the tolerance for cabbage will be exceeded utilizing a 3-day PHI. The PHI for cabbage should be changed to 7 days.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

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

Note that this acceptance of your label does not relieve you of your obligation to comply with the Worker Protection Standard (WPS). If any of your products are covered by the WPS, you are required to submit, and receive the Agency's approval by April 21, 1994, of a revised label reflecting the required label statements of 40 CFR 156, published in the FEDERAL REGISTER of August 21, 1992 (57 FR 38102). Further guidance will be issued. According to 40 CFR 156 subpart K, specifically §156.200(c)(3): "No product to which this subpart applies shall be distributed or sold without amended labeling by any registrant after April 21, 1994."

Sincerely yours,

man/for

Robert A. Forrest
Product Manager (14)
Insecticide-Rodenticide Branch
Registration Division (H7504C)

enclosure

CONCURRENCES							
SYMBOL							
SURNAME							
DATE							

3041
ACCEPTED
with COMMENTS
in EPA Letter Dated:

JUN 08 1993

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, this product is
registered under EPA Reg. No. 9779-206

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Dimate 2.67

Emulsifiable concentrate containing 2.67 pounds dimethoate per gallon

ACTIVE INGREDIENT

Dimethoate (O,O-dimethyl S-[N-(methylcarbamoyl) methyl] phosphorodithioate).....	31.0%
INERT INGREDIENTS*.....	69.0%
	<u>Total 100.0%</u>

This product contains 2.67 pounds dimethoate per gallon.
*Product Contains 20.8% Aromatic Petroleum Solvent.

STOP-READ LABEL BEFORE USING.

KEEP OUT OF REACH OF CHILDREN

WARNING/AVISO

PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger, or, if available, by administering syrup of ipecac. Do not induce vomiting or give anything by mouth to an unconscious person.

IN CASE OF CONTACT: Immediately flush eyes or skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. See doctor immediately.

See additional PRECAUTIONARY STATEMENTS on side panel.

EPA Reg. No. 9779-206

EPA Est. No. 9779-TX-3

Manufactured For
RIVERSIDE/TERRA CORPORATION
Terra Centre, 600 Fourth Street, Sioux City, Iowa 51101
Riverside Serves Agriculture. Agriculture Serves Everyone.

NET CONTENTS
____ GALS.

PRECAUTIONARY STATEMENTS
WARNING
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Harmful or fatal if inhaled or swallowed or absorbed through the skin. May cause irritation of eyes, nose, throat and skin. Avoid contact with eyes and skin. Avoid breathing vapor or spray mist. Wash thoroughly after handling. In case of contact, flush with plenty of water for at least 15 minutes. Get medical attention. Keep away from domestic animals and foodstuffs. Do not contaminate or apply onto feed or foodstuffs. Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.

NOTE TO PHYSICIANS: Dimethoate may cause cholinesterase inhibition. Atropine is antidotal.

ENVIRONMENTAL HAZARDS

POISONOUS TO FISH AND WILDLIFE: This product is toxic to shrimp, crab, birds and other wildlife. 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.

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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.

RE-ENTRY STATEMENT

Do not enter treated areas without protective clothing until sprays have dried. Because certain states may require more restrictive re-entry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

REQUIRED CLOTHING AND EQUIPMENT FOR APPLICATION.

Ground Personnel:

All applicators, flaggers and all personnel involved with the mixing, loading, and transferring operations must wear the protective clothing and equipment enumerated below. Pilots are exempt from this requirement. The protective clothing and equipment to be worn is as follows:

- a. Impermeable gloves (for example, rubber or plastic covered reinforced gloves).
- b. Boots or boot covers.
- c. Long-sleeved shirt and long pants.
- d. Wide-brimmed hat.
- e. Respirators must be worn by flaggers and mixer loaders.

Aerial Application:

Automatic flagging devices should be used whenever feasible.

If human flaggers are employed, they must wear the protective clothing and respirator specified on this label.

NOTICE TO CROP OWNERS

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. In case of accidental exposure, follow the information given under STATEMENT OF PRACTICAL TREATMENT and have exposed person(s) see a physician. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is a reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information: "WARNING. Area treated with Dimethbate on (date). Do not enter without appropriate protective clothing. In case of accidental exposure, immediately remove contaminated clothing, wash the affected area, contact your supervisor, and have him take you to the doctor."

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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, soak up material with absorbent clay, sand, sawdust, 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.

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FIELD CROPS

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	3/4 to 1 1/2 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	3/4 to 1 1/2 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.

Crop	Insects Controlled	Amount to Apply	Days Between Last Application and Harvest
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 applications 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.	
Cotton (grown in Arizona & California)	Lygus bugs Leafhoppers Thrips Black flea-hoppers	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	1/3 to 2/3 pint per acre	
Cotton (Oklahoma, Texas)	Flea-hoppers	1/3 to 2/3 pint 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.
Safflower (grown in California & Arizona)	Aphids Leafhoppers Lygus bugs Thrips	¾ to 1½ pints per acre	
Sorghum (milo)	Aphids	Moderate to heavy infestations--¾ to 1½ pints per acre. Light infestations on young sorghum prior to head formation--1/3 to 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.
	Banks grass mites (excluding Trans-Pecos area of Texas)	1½ 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	1 to ¾ pint per acre Aerial application: Apply above rates in 1 or more gallons of water per acre.	

Crop	Insects . Controlled	Amount to Apply	Days Between Last Application and Harvest
Soybeans	Mexican bean beetle Spider mites Bean leaf beetle	Aircraft equipment: 1-3/8 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: 1-3/8 pints in 25-40 gallons of water per acre. Aircraft equipment: 1-3/8 pints in 1 or more gallons of water per acre.	
Wheat	Aphids (greenbug)	3/4-1 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	1/3-2/3 pint per acre	
	Grasshoppers	1 1/2 pints per acre	

FRUIT CROPS

Crop	Insects . Controlled	Amount to Apply	Days Between Last Application and Harvest
Apples (only)	Apple maggot† Codling moth††	1 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 & non-bearing)	Aphids Leafhoppers Pear Psylla mites (except rust mites)	3/4 to 1-1/2 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.

Crop	Insects Controlled	Amount to Apply	Days Between Last Application and Harvest
	Aphids	Ground equipment: 3/4 to 1 1/2 pints per 100 gallons water. Apply as an outside coverage spray. Aircraft equipment: 1 1/2 to 3 quarts per acre in 5 to 10 gallons water.	
	Mites (except rust mites)	Ground equipment: 3/4 to 1 1/2 pints per 100 gallons water. Apply as a thorough distribution coverage spray.	Do not apply less than 15 days before harvest.
Grapefruit Lemons Oranges Tangerines	Thrips	Ground equipment: 3/4 to 1 1/2 pints per 100 gallons water. Apply as a mist spray. Aircraft equipment: 3 to 6 pints per acre in 15 to 20 gallons water.	
	Whiteflies	Ground equipment: 1 1/2 pints per 100 gallons water. Apply as a thorough distribution coverage spray.	
	Scales (except black or snow)	Ground equipment: 1 1/2 to 2 1/2 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 use on citrus seedlings. Do not enter treated groves within 4 days of last application. Do not graze livestock in treated orchards.			
Citrus (non-bearing) (Arizona & California)	Aphids	Do not apply when trees or substantial numbers of weeds in the orchard (grove) are in bloom. Foliar spray: Apply 1 1/2 pints per 100 gallons of water. Repeat application as necessary. Do not enter treated groves within 4 days of last application. 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 being to bear fruit. Do not graze livestock in treated orchards.	
Grapefruit Lemons Oranges Tangerines	Thrips		

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Crop	Insects Controlled	Amount to Apply	Days Between Last Application and Harvest
Pecans	Aphids	Ground equipment only: 1 pint per acre	Do not apply less than 21 days before harvest. Do not graze livestock in treated groves.
	Mites		
	Leafhoppers	Aerial equipment: 1 pint per acre in a minimum of 5 gallons of finished spray.	
	Aphids only		

VEGETABLE CROPS

Crop	Insects Controlled	Amount to Apply	Days Between Last Application and Harvest
Beans (green, lima, snap, dry)	Aphids	3/4 to 1 1/2 pints 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
	Grasshoppers		
	Leafhoppers		
	Leaf miners		
	Lygus bugs		
	Mites		
Broccoli	Aphids	3/4 to 1 1/2 pints per acre	Do not apply less than 7 days before harvest.
Cauliflower			
Cabbage	Aphids	3/4 to 1 1/2 pints per acre	Do not apply less than 3 days before harvest.
Celery (Florida)	Leaf miners	Ground equipment: 1 1/2 pints per acre	Do not apply less than 7 days before harvest.
Head lettuce	Aphids	3/4 pint per acre	Do not apply less than 7 days before harvest.
	Leafhoppers		
	Leaf miners		
Leaf lettuce			
Spinach			
Collards			
Kale			
Turnip (greens & roots)	Aphids	3/4 pint per acre	Do not apply less than 14 days before harvest.
	Leafhoppers		
Mustard	Leaf miners		
Greens			
Swiss chard			
Endive (escarole)			
Melons (except watermelons)	Aphids	1 1/2 pints per acre	Do not apply less than 3 days before harvest.
	Leafhoppers		
	Leaf miners		
	Thrips		

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Peas	Aphids	1/2 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.
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Crop	Insects Controlled	Amount to Apply	Days Between Last Application and Harvest
Peppers	Aphids Leaf miners Maggots	3/4 to 1 pint per acre	Peppers may be harvested on day of application.
Potatoes	Aphids	3/4 to 1 1/2 pints per acre	Potatoes may be harvested on day of application.
Tomatoes	Grasshoppers	acre	Do not apply less than 7 days before harvest.
Watermelons	(Potatoes only) Leaf miners Leafhoppers		

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.