



Dimate 4E

Systemic insecticide

ACCEPTED
05 JAN 1988
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 9779-273

9779 273

ACTIVE INGREDIENT	
Dimethoate (0,0-dimethyl S-(N-methylcarbamoyl-methyl) phosphorodithioate)	44.74%
INERT INGREDIENTS	55.26%
TOTAL 100.00%	

Contains 4 pounds Dimethoate per gallon.

STOP-READ LABEL BEFORE USING!

KEEP OUT OF REACH OF CHILDREN
WARNING-AVISO

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

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Contact 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 inside for additional PRECAUTIONARY STATEMENTS.

EPA Reg. No. 9779-273

EPA Est. No. 9779-TX-3'

Manufactured For
RIVERSIDE/TERRA CORP.
Terra Centre • 660 Fourth Street • Sioux City Iowa 51101
Riverside Serves Agriculture • Agriculture Serves Everyone

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_____GALLONS

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

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.

HIGHLY TOXIC TO BEES: This product is toxic to bees. Restrict application to the periods after dark when bees are inside the hive or in the early morning before the bees are foraging in the fields. Protective information may be obtained from your Cooperative Agricultural Extension Service.

PHYSICAL OR CHEMICAL HAZARDS

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

GENERAL INFORMATION

DIMATE 4E is useful for control of certain pests of certain fruit crops, nuts, vegetables and field crops. DIMATE 4E may be applied by ground sprayers or by airplanes, mixing the DIMATE 4E 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 4E 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 4E in not less than 3 gallons of water per acre unless directed otherwise. Airplanes should spray the recommended amount of DIMATE 4E 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 4E 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 4E 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 apply 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, taggers and all personnel involved with the mixing, loading, and transferring operations must wear the protective clothing and equipment enumerated below. Pajamas are exempt from this requirement. The protective clothing and equipment to be worn are as follows:

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

Aerial Application: Automatic tagging devices should be used whenever feasible.

If human taggers 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 persons 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 Dimethoate or (or) its. 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.

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, 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° or be below 45° F.

Keep storage area locked when not in use.

In the event of leakage or spillage, 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 empty container 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.

CROP	PESTS CONTROLLED	RATE	INTERVAL (DAYS) BETWEEN LAST APPLICATION AND HARVEST
FRUIT, Apples	APPLE MAGGOT, CODLING MOTH	1 pt. 100 gals. water	28 Do not apply during the bloom period. 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 string injury may occur.) 11 Midwest and eastern states only.
	APHIDS, LEAFHOPPERS, MITES (except Rust Mites)	1/2 to 1 pt. 100 gals. water	28 Do not apply during the bloom period. Do not graze livestock in treated orchards.
Apples, Pears	APHIDS	Ground Equipment: 1/2 to 1 pt. 100 gals. water Apply as an outside coverage spray. Aircraft Equipment: 1 to 2 gals. acre - 5 to 10 gals. water	15
	MITES (except Rust Mites)	Ground Equipment: 1/2 to 1 pt. 100 gals. water Apply as a thorough distribution coverage spray.	15
Grapefruit, Lemons, Oranges, Tangerines	SCALES (except back of snow)	Ground Equipment: 1 to 1 1/2 gals. 100 gals. water Apply as a thorough coverage spray.	45
THIRIPS		Ground Equipment: 1/2 to 1 pt. 100 gals. water Apply as a mist spray. Aircraft Equipment: 1 to 2 gals. acre - 5 to 10 gals. water	15
	WHITEFLIES	Ground Equipment: 1 pt. 100 gals. water Apply as a thorough distribution coverage spray.	15

Do not apply during bloom period. Do not use on citrus trees. Make no more than 2 applications to mature fruit. Do not enter treated groves within 4 days of last application. Do not graze livestock in treated orchards.

CROP	PESTS CONTROLLED	RATE	INTERVAL (DAYS) BETWEEN LAST APPLICATION AND HARVEST
NUTS: Pecans	APHIDS, MITES, LEAFHOPPERS	Ground Equipment: 1/2 pt./acre	21 Do not graze livestock in treated groves.
	APHIDS	Aerial Equipment: 1/2 pt./acre in a minimum of 5 gals. of finished spray	
VEGETABLE CROPS: Beans (green, lima, snap, dry)	APHIDS, GRASSHOPPERS, LEAFHOPPERS, LEAF MINERS, LYGUS BUGS, MITES	1/2 to 1 pt./acre	Beans may be harvested on day of application. Do not feed treated vines.
Broccoli cauliflower	APHIDS	1/2 to 1 pt./acre	7
Cabbage	APHIDS	1/2 to 1 pt./acre	7
Head lettuce	APHIDS, LEAFHOPPERS, LEAF MINERS	1/2 pt./acre	7
Celery (Florida)	LEAF MINERS	Ground Equipment: 1 pt./acre	7
Leaf lettuce Spinach Collards Kale Turnip (greens and roots) Mustard greens Swiss chard Endive (Escarole)	APHIDS, LEAFHOPPERS, LEAF MINERS	1/2 pt./acre	14
Melons (except watermelons)	APHIDS, LEAFHOPPERS, LEAF MINERS, THRIPS	1 pt./acre	3
Watermelons	APHIDS, LEAF MINERS, LEAFHOPPERS	1/2 to 1 pt./acre	3
Peas	APHIDS	1/2 pt./acre	Peas may be harvested on day of application. Do not feed or graze hay within 21 days after last application when a stationary viner is used. Do not feed or graze when a riparian viner is used. Do not make more than one application per season.
Peppers	APHIDS, LEAF MINERS, MAGGOTS	1/2 to 1 pt./acre	Peppers may be harvested on day of application.
Potatoes	APHIDS, GRASSHOPPERS, LEAF MINERS, LEAFHOPPERS	1/2 to 1 pt./acre	Potatoes may be harvested on day of application.
Tomatoes	APHIDS, LEAF MINERS, LEAFHOPPERS	1/2 to 1 pt./acre	7
Where cabbage worms and cabbage loopers are a problem, the above rates of DIMATE 4E are compatible with endosulfan, malathion or parathion. Use in accordance with the manufacturers' directions for control of these insects.			
FIELD CROPS: Alfalfa	APHIDS, GRASSHOPPERS, LEAFHOPPERS, LYGUS BUGS, REDUCTION OF ALFALFA WEEVIL LARVAE	1/2 to 1 pt./acre	Do not apply to alfalfa in the bloom period. Do not apply within 10 days of harvest or pasturing. Make only one application per cutting. Effective only on cutting to which applied.

CROP	PESTS CONTROLLED	RATE	INTERVAL (DAYS) BETWEEN LAST APPLICATION AND HARVEST
Field Corn	BANKS GRASS MITES (excluding Trans-Pecos area of Texas)	1/2 to 1 pt./acre Aerial Application: Spray over the foliage when mites appear. Apply above rates in 1 or more gals. of water per acre.	14 Apply as necessary. Make no more than three applications per year. Do not feed or graze within 14 days of last application.
	GRASSHOPPERS	1 pt./acre Ground Application: Apply above rate in 20 to 40 gals. of water per acre. Aerial Application: Apply above rate in 1 or more gals. of water per acre.	
Cotton (grown in California and Arizona)	LYGUS BUGS, LEAFHOPPERS, BLACK FLEAHOPPERS	1/2 to 1 pt./acre	14 Repeat applications should not be made at intervals closer than 14 days. Make only 2 applications per season at the higher rate. Do not feed treated forage or graze livestock on treated fields.
Cotton	APHIDS, MITES, THRIPS, FLEAHOPPERS	1/2 to 1 pt./acre	14 Repeat applications should not be made at intervals closer than 14 days. Do not feed treated forage or graze livestock on treated fields.
	LYGUS BUGS	1/2 pt./acre	
Safflower (grown in California and Arizona)	LYGUS BUGS, LEAFHOPPERS	1/2 to 1 pt./acre	14 Repeat applications should not be made at intervals closer than 14 days. Make only 2 applications per season at the higher rate.
Sorghum (milo)	APHIDS	1/2 to 1 pt./acre Ground Application: Apply above rates in 25 to 40 gals. of water per acre. Aerial Application: Apply above rates in 1 or more gals. of water per acre.	Do not feed or graze within 28 days of last application. Make no more than 3 applications as needed per season. Do not apply after heading.
	BANKS GRASS MITES (excluding Trans-Pecos area of Texas)	1/2 to 1 pt./acre Ground Application: Apply above rates in 25 to 40 gals. of water per acre. Aerial Application: Apply above rates in 1 or more gals. of water per acre.	
Sorghum Midg	SORGHUM MIDG	1/2 to 1 pt./acre Aerial Application: Apply above rates in 1 or more gals. of water per acre.	Do not feed or graze within 28 days of last application. Make no more than 3 applications as needed per season. Do not apply after heading.
Soybeans	MEXICAN BEAN BEETLE, SPIDER MITES, BEAN LEAF BEETLE	1 pt./acre Aerial Application: Apply recommended rate in a minimum of 2 gals. of water per acre.	21 Do not feed or graze within 5 days of last application.
	GRASSHOPPERS	1 pt./acre Ground Application: Apply above rate in 25 to 40 gals. of water per acre. Aerial Application: Apply above rate in 1 or more gals. of water per acre.	

CROP	PESTS CONTROLLED	RATE	INTERVAL (DAYS) BETWEEN LAST APPLICATION AND HARVEST
Wheat	APHIDS (greenbugs)	1/2 to 3/4 pt./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	1/2 to 1 pt./acre	
	GRASSHOPPERS	3/4 pt./acre	
SEED CROPS: Alfalfa	APHIDS, LEAPHOPPERS, LYGUS BUGS, GRASSHOPPERS, REDUCTION OF ALFALFA WEEVIL LARVAE	1/2 to 1 pt./acre	Do not apply to alfalfa in the bloom period. Do not feed or graze livestock in treated crops, hay, threshings or stubble within 10 days of application.

ATTENTION: DO NOT USE ON SEED ONIONS, SEED CARROTS, OR SEED BERMUDA GRASS.

CITRUS TREES—NONBEARING AND NURSERY STOCK

Consult your state agricultural experimental station or state agricultural extension service for proper timing of applications.

PLANT	PESTS CONTROLLED	AMOUNT
CITRUS: (California, Arizona) Grapefruit Lemons	APHIDS THRIPS	Foliar Spray: 1 pint DYMATE 4E per 100 gallons of water. Repeat applications are necessary. May be applied in the year cropset fruit. Lemon, orange and tangerine trees begin to bear fruit. Do not enter treated groves within 4 days of last application. Do not graze livestock in treated orchards.
Oranges Tangerines		Soil Drench (Trees 1 to 3 years old): 2 quarts DYMATE 4E per acre applied in the furrow or basin around the base of tree. Apply when insect injury to new growth appears. Do not apply to trees that will bear fruit within one year. Do not graze livestock in treated orchards.

ENDANGERED SPECIES RESTRICTIONS

The following restrictions apply to use of this product after February 1, 1986.

Before using this pesticide on corn, soybeans, wheat, sorghum, and cotton in the counties listed below, you must obtain the PESTICIDE USE BULLETIN FOR PROTECTION OF ENDANGERED SPECIES for the county in which the product is to be used. The bulletin is available from your County Extension Agent, State Fish and Game Office, or your pesticide dealer. Use of this product in a manner inconsistent with the PESTICIDE USE BULLETIN FOR PROTECTION OF ENDANGERED SPECIES is a violation of Federal law.

ALABAMA: Colbert, Greene, Jackson, Lamar, Lauderdale, Limestone, Madison, Marshall, Morgan, Pickens and Sumter

ARKANSAS: Clay, Clark, Cross, Lawrence, Lee, Poinsett, Randolph, Sharp and St. Francis

CALIFORNIA: Butte, Colusa, Glenn, Kern, Merced, Sacramento, Solano, Sutter, Tehama and Yolo

FLORIDA: Broward, Duval, Glades and Palm Beach

KENTUCKY: Ballard, Butler, Edmonson, Green, Hart, Jackson, Laurel, Livingston, Marshall, McCracken,

McCreary, Putnam, Rockcastle, Taylor, Warren and Wayne

MISSISSIPPI: Itawamba, Lowndes, Monroe and Neshoba

NORTH CAROLINA: Edgecombe, Harnett and Pitt

MISSISSIPPI: Bedford, Blount, Claiborne, DeCade, Franklin, Hancock, Hardee, Hickman, Knox, Lincoln, Loudon,

Marshall, Meigs, Monroe, Rhea, Roane, Scott, Sequatchie, Smith, Sullivan and Wayne

VIRGINIA: Lee, Russell, Scott, Smyth, Tazewell, Washington and Wise

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