

Best Available Copy

# DICOFOL MF

## DICOFOL 4E MITICIDE

### ACTIVE INGREDIENT:

#### DICOFOL:

1,1-Bis(chlorophenyl)-2,2,2 trichloroethanol.....42%

INERT INGREDIENTS.....58%

TOTAL.....100%

### KEEP OUT OF REACH OF CHILDREN

## CAUTION

### STATEMENT OF PRACTICAL TREATMENT

**IF SWALLOWED** - Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Get medical attention. Do not induce vomiting or give anything by mouth to an unconscious person.

**IF INHALED** - Remove victim to fresh air.

**IF ON SKIN** - Wash exposed areas with plenty of soap and water. Get medical attention.

**IF IN EYES** - Flush with plenty of water. Get medical attention.

**NOTE TO PHYSICIAN** - Because this product contains a chlorinated hydrocarbon insecticide, vomiting or careful gastric lavage is recommended. Epinephrine or other adrenergic amines may cause myocardial irritability.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

Manufactured by: MAKHITESHM-AGAN OF NORTH AMERICA INC.  
551 Fifth Avenue, Suite 1100  
New York, NY 10176  
EPA Reg. No. 66222-21

MAKHITESHM-AGAN

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS (AND DOMESTIC ANIMALS) CAUTION

Harmful if swallowed, absorbed through the skin, or inhaled. Avoid contact with skin, eyes or clothing. Skin contact with this pesticide may be hazardous. The product is a skin sensitizer. Repeated exposure may cause allergic reaction in some individuals. If allergic reactions have occurred, discontinue use and see a physician. Causes moderate eye injury (irritation).

### 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 E on an EPA chemical-resistant category selection chart.

### APPLICATORS AND OTHER HANDLERS MUST WEAR:

- Coveralls over long-sleeved shirt and long pants
- Chemical-resistant gloves, such as Barrier laminate, Nitrile rubber, Neoprene rubber, or Viton
- Chemical-resistant footwear plus socks
- Chemical-resistant handgear for overhead exposure
- Chemical-resistant apron when cleaning equipment, mixing or loading

For exposures in enclosed areas, a respirator with 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 exposure outdoors, 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/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

### ENGINEERING CONTROLS SYSTEMS:

Applicators **MUST** be in enclosed cabs or cockpits. For applications to dry beans, a closed mixing system must be utilized.

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.

Human flaggers **MUST** be in enclosed cabs. The enclosed cabs must be used 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.

### ENVIRONMENTAL HAZARDS

The product is toxic to fish. 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 where runoff is likely to occur. Do not apply where weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters. Apply this product only as specified on this label.

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11/23/98

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**PHYSICAL AND CHEMICAL HAZARDS**

**FLAMMABLE.** Do not use 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 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 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 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 leather, nitrile rubber, neoprene rubber, or vinyl
- Chemical-resistant footwear plus socks

**CHEMIGATION STATEMENT**

**DO NOT APPLY THIS PRODUCT THROUGH ANY TYPE OF IRRIGATION SYSTEM.**

**GENERAL INFORMATION**

Dicofol 4E is an emulsifiable formulation that gives high initial kill against most species of agricultural insects. Dicofol 4E is a specific miticide and will not kill bees and beneficial insect predators when used as recommended. Use only on crops listed on this label. Dicofol 4E is compatible with most other commonly used insecticides and fungicides. Observe the following use restrictions:

- Do not combine with lime.
- Do not apply to any crop within 2 weeks following sulfur dust or spray.

**DILUTION AND SPRAYING DIRECTIONS**

Dicofol 4E can be applied by ground or air according to the following dilution directions. Provide thorough coverage of all plant parts. Coverage on the underside of leaves is especially important. Optimum spray gallonage varies with the type of equipment, size and density of crop plants. For dry beans, a closed mixing system must be utilized to handle this product.

**DILUTE APPLICATION: Field and Row Crops:** Apply specified rate in 20 to 60 gallons of water per acre. Orchard: Apply specified rate in 100 to 800 gallons of water per acre.

**CONCENTRATE APPLICATION: Field and Row Crops:** Apply specified rate in not less than 5 gallons of water per acre. Orchard: Apply specified rate in 20 to 100 gallons of water per acre. Special concentrate equipment is necessary for these uses.

**AIR APPLICATION:** Apply specified rate in 5 to 20 gallons of water per acre. Orchard rates should not be applied in less than 10 gallons of water per acre. For further details see specific recommendations on this label, then consult current State Agricultural Experiment Station's spray schedules or State Extension Service Specialists for additional details on compatibility, dosage and uses.

**MITE RESISTANCE MANAGEMENT**

Resistance to miticides is common and has been confirmed for virtually all commercial miticides. While resistance to Dicofol 4E Miticide has been confirmed in some mite species, it has also been conclusively demonstrated that resistance of mites to Dicofol 4E is unstable. Susceptibility to Dicofol 4E returns if Dicofol 4E use is discontinued for a short time, usually 1 to 2 years. As a general rule, the utility of Dicofol 4E can be maintained indefinitely by rotating use of Dicofol 4E with miticides with different modes of action. Resistance management strategies vary from crop and state to state. For additional information, contact your State Extension Service Specialists or your local Griffin Technical Services Group.

**PREHARVEST INTERVAL**

The required days between last application and harvest are given in ( ) after each crop name.

**VEGETABLES AND FIELD CROPS**

CROP	PEST	PTS/ACRE	COMMENTS
Beans (Dry, Green, Lima) (21)	Pacific mites, Two spotted mites, Tropical mites	1 to 3	Apply at first sign of mite buildup.
Do not make more than two applications per season.			
Beans (Dry, Green, Lima) (California Only) (21)	Pacific mites, Tomato russet mites, Two spotted mites, Tropical mites	3	Apply at first sign of mite buildup.
Do not make more than two applications per season.			
Beans (Dry, Green, Lima) (California Only) (21)	Pacific mites, Pacific mites, Two spotted mites	1 1/2 to 3	Adjust rate depending on size of plant and density of foliage. Apply in sufficient water to provide thorough coverage. Begin application when mites are first noticed and repeat application if necessary.
Do not feed cotton bolls or fresh to swine or dairy animals.			
Do not make more than two applications per season.			
Cucumbers, Squash (2)	Pacific mites, Tomato russet mites, Two spotted mites, Tropical mites	3/4	Apply at first sign of mite buildup. The minimum interval between applications is 7 days.
Do not use in combination with other materials unless previous experience has shown that the mixture is safe to plants.			
Do not make more than two applications per season.			
Hops (7)	Pacific mites, Two spotted mites, Tropical mites	2 to 2 1/3	Apply at first sign of mite infestation.
Do not make more than two applications per season.			
Mint (30)	Two spotted mites	1 3/4 to 2 1/2	Make applications when mites become active. Use sufficient water to provide thorough coverage.

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CROP (cont.)	PEST	PTS./ACRE	COMMENTS
Mim (30)	• Do not exceed 1 3/5 pts. per acre per year.		
Peppers, Tomatoes (2)	Pacific mites, Tomato russet mites, Twospotted mites, Tropical mites	3/4 - 1 1/2	Apply at first sign of mite buildup.
• Do not apply more than two applications per season. • Do not exceed 1 3/5 pts. per acre per year			

FRUITS AND NUTS

CROP	PEST	PTS./ACRES	COMMENTS
Apples, Pears (7)	Apple rust mite, Clover mites, European red mites, McDaniel mites, Pacific mites, Schoene mites, Twospotted mites, Williarnette mites, Yellow (carpio) mites	3/4 to 1 1/2	Apply when mite population appears.

- Do not apply more than two applications per year.
- Do not make back-to-back or alternate row sprays more than 10 days apart.
- Do not apply after fruit formation in California, Washington and Oregon.

Citrus (Grapefruit, Kumquats, Lemons, Limes, Oranges, Tangelos, Tangerines) (7)	Citrus flat mites, Citrus red (purple) mites, Citrus rust mites, sixspotted mites, Texas citrus mites, Yuma mites	1 per 100 gals. not to exceed 6 pts. per acre	Apply in full coverage sprays using 1 pt. per 100 gals. of dilute spray (1 gal. of product maximum/acre). If concentrate sprays are used, adjust dosage accordingly. Make applications at low mite infestations before populations begin to increase rapidly. Use the lower dosage rate on smaller trees and the higher dosage rate on larger trees.
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- Do not apply more than two applications per year.

Grapes (7)	Clover (brown almond) mites, European red mites, McDaniel mites, Pacific mites, Twospotted mites, Williarnette mites, Yellow mites	1 1/3 - 2 1/2	Apply just after bloom or whenever mites appear.
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CROP (cont.)	PEST	PTS./ACRE	COMMENTS
Grapes (7)	• Do not apply more than two applications per year. • Do not apply after fruit formation in California, Washington, and Oregon.		
Pecans, Walnuts (see text for PHI)	Clover (brown almond) mites, European red mites, McDaniel mites, Pacific mites, Twospotted mites, Williarnette mites, Yellow mites	4	Apply just after bloom or whenever mites appear and repeat if necessary. Apply in volumes sufficient to assure uniform and thorough coverage of all foliage and fruit surfaces.

- Do not apply more than two applications per year.
- Do not apply more than 8 pints per acre per year.
- Do not apply within 7 days of harvest nor within 14 days of harvest in California.

Strawberries (2)	Six spotted mites, Strawberry (Atlantic) mites, Twospotted mites	2	Apply when mites first appear. For cyclamen mites only, use 4 pints per acre in 2 to 3 thorough, high drenching sprays (400 gallons per acre) at 10 to 20 day intervals. Apply when new growth starts in spring or use as a spot treatment in infested areas during production season.
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- Do not apply if temperature exceeds 90°F.
- Do not apply more than two applications per year.
- Do not apply after fruit formation in California, Washington, and Oregon.

OTHER USES

CROP	PEST	PTS./ACRE	COMMENTS
Bermudagrass grown for seed	Banks grass mites, Bermuda grass mites, brown mites, clover mites	2/3 - 4/5 pint per	Applications should be made as soon as mites appear and repeated as necessary.
Lawn and turf grasses	Clover mites, brown mites, Bermudagrass mites	2/3 - 1 pt. per acre; 1/3 fl. oz. or 2 tsp. per 1000 sq. ft.; 1 tsp. per gallon or; 1/2 pint per 50 gals. based on 100 gals. per acre	Apply when mites appear and repeat as necessary.

- Do not use on residential home lawns.

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**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage and disposal.

**STORAGE:** Keep from freezing. Store at 32°F to 110°F.

**Pesticide Disposal:** Do not contaminate water, food or feed by storage or disposal. Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinseate 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 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.

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Eliminate ignition sources. Ventilate area. Avoid breathing vapors. Wear respirator suitable for vapor concentration encountered (MSHA/NIOSH approved or equivalent.) Dike the spill inert material and transfer the liquid or solid diking materials to separate containers. REFER TO PRECAUTIONARY STATEMENTS

**WARRANTY STATEMENT**

**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 instruction, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use.

ACCEPTED

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Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under  
EPA Reg. No. 66222-21

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