

PM 04
1812-423
02.16.99

Dicofol 4E

MITICIDE

ACTIVE INGREDIENT	% By Wt.
Dicofol: 1,1-Bis(chlorophenyl)-2,2,2-trichloroethanol*	42%
INERT INGREDIENTS	58%
TOTAL	100%

*Contains 4 Pounds Active Ingredient Per Gallon

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 eyes 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.

For medical emergencies involving this product, call toll free 1-800-237-1854.
See Label for Additional Precautions and Directions for Use.

Griffin L.L.C.
VAEDOSTA, GEORGIA 31601 Net Contents _____ EPA REG. NO. 1812-

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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 headgear 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 exposures 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

This 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 when weather conditions favor drift from treated areas. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on this label.

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 Barrier Laminate, Nitrile Rubber, Neoprene Rubber, or Viton
- Chemical-resistant footwear plus socks

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 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. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

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 with inert material and transfer the liquid or solid diking materials to separate containers. REFER TO PRECAUTIONARY STATEMENTS.

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 mites. 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.

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 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	PINTS/ACRE	COMMENTS
Beans (Dry, Green, Lima) (21)	Pacific Mites, Twospotted Mites, Tropical Mites	1 to 3	Apply at first sign of mite buildup.
	Do not make more than two applications per season. For dry beans, a closed mixing system must be used to handle this product.		
Beans (Dry, Green, Lima) (California Only) (21)	Pacific Mites, Tomato Russet Mites, Twospotted Mites, Tropical Mites	3	Apply at first sign of mite buildup.
	Do not make more than two applications per season. For dry beans, a closed mixing system must be used to handle this product.		
Cotton (30)	Desert Mites, Pacific Mites, Twospotted Mites	1 ½ 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 stalks or trash to meat or dairy animals. Do not make more than two applications per season.		

Cucumbers, Squash (2)	Pacific Mites, - Tomato Russet Mites, Twospotted 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 mixture is safe to plants. Do not make more than two applications per season.		
Hops (7)	Pacific Mites, Twospotted Mites, Tropical Mites	2 to 2 1/3	Apply at first sign of mite infestation.
	Do not apply more than two applications per season.		
Mint (30)	Twospotted Mites	1 3/4 to 2 1/2	Make applications when mites become active. Use sufficient water to provide thorough coverage.
	Do not make more than one application per season.		
Peppers, Tomatoes (2)	Pacific Mites, Tomato Russet Mites, Twospotted Mites, Tropical Mites	3/4 to 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 pints per acre per year.		

FRUITS AND NUTS

CROP	PEST	PINTS/ACRE	COMMENTS
Apples, Pears (7)	Apple Rust Mites, Clover Mites, European Red Mites, McDaniel Mites, Pacific Mites, Schoene Mites, Twospotted Mites, Willamette Mites, Yellow (Carpin) Mites	4	Apply when mite population appears.
			Do not make 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, Limes, Oranges, Kumquats, Lemons, Tangelos, Tangerines) (7)	Citrus Flat Mites, Citrus Red (Purple) Mites, Citrus Rust Mites, Sixspotted Mites, Texas Citrus Mites, Yuma Mites	1 pint per 100 gals., not to exceed -8 6 pints /acre	Apply in full coverage sprays using 1 pt. per 100 gals. of dilute spray (1 gal. 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.
			Do not make more than two application per year.
Grapes (7)	Clover (brown almond) Mites, European red Mites, McDaniel Mites, Pacific Mites, Twospotted Mites, Willamette Mites, Yellow Mites	1 1/3 to 2 1/2	Apply just after bloom or whenever mites appear.
			Do not make more than two applications per season. 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, Twospotted Mites, Willamette 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 make 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.
	Do not apply if temperature exceeds 90°F. Do not make more than two applications per season. Do not apply after fruit formation in California, Washington, and Oregon.		
Bermuda grass (grown for seed)	Banks grass Mites, Bermuda grass Mites, Brown Mites, Clover Mites	2/3 to 4/5	Applications should be made as soon as mites appear and repeated as necessary.
Lawn and Turf grasses	Clover Mites, Brown Mites, Bermuda grass Mites	2/3 to 1 1/2 fl. oz. or 2 tsp. per 1000 sq. ft.; 1 tsp. per gal. 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.		

WARRANTY STATEMENT

GRIFFIN warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with directions under normal use conditions. 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 the manner of use or application, all of which are beyond the control of GRIFFIN. In no case shall GRIFFIN be liable for consequential, special or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the Buyer. The exclusive remedy of any buyer or user of this product for any and all losses, injuries, or damages resulting from or in any way arising from the use, handling, or application of this product, whether in contract, warranty, tort, negligence, strict liability, or otherwise, shall not exceed the purchase price paid for this product or at GRIFFIN'S election, the replacement of this product. GRIFFIN MAKES NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

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