



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

SEP 26 2003

Ms. Jane Rothwell
Makhteshim Agan of North America
551 Fifth Avenue, Suite 1100
New York, NY 10176

Dear Ms. Rothwell:

Subject: Label amendment, revised first aid and respirator statements in accordance with
PR Notices 2001-1 and 1998-9
Dicofol 4E
EPA Registration Number 66222-56
Your submission dated August 18, 2003

The revised label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable subject to the comments listed below:

1. Under the Storage and Disposal statement, change the heading "Storage" to "Pesticide Storage".
2. Under Storage and Disposal, Container Disposal, change the last sentence to: "If burned, stay out of smoke".

Five copies of the finished labeling must be submitted prior to releasing the product for shipment. A stamped copy of the label is enclosed for your records.

Sincerely yours,

Rita Kumar

Rita Kumar
Senior Regulatory Specialist
Insecticide-Rodenticide Branch
Registration Division (7505C)
e-mail: kumar.rita@epa.gov

Enclosure

DICOFOL 4E MITICIDE

ACTIVE INGREDIENT	% BY WT.
Dicofol: 1,1-bis(chlorophenyl)-2,2,2-trichloroethanol*	42.0%
INERT INGREDIENTS:	58.0%
	TOTAL 100.0%

*Contains 4 Pounds Active Ingredient Per Gallon

KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID

- | | |
|--------------------------------|--|
| IF SWALLOWED: | <ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person. |
| IF INHALED: | <ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. • Call a poison control center or doctor for treatment advice. |
| IF ON SKIN OR CLOTHING: | <ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice. |
| IF IN EYES: | <ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice. |

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact PROSAR at 1-877-250-9291 for emergency medical treatment information.

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

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed, absorbed through 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

NET CONTENTS: 2 ½ GALLONS

ACCEPTED
with COMMENTS
in EPA Letter Dated:

SEP 26 2003



MAKHTESHIM-AGAN

Makhteshim-Agan of North America, Inc.
551 Fifth Avenue, Suite 1100
New York, NY 10176

EPA Reg. No. 66222-56
EPA Est. No. 11678-IS-01

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 66222-56

66222-56

PERSONAL PROTECTIVE EQUIPMENT (PPE)(CONTINUED)

- For exposures in enclosed areas, a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R, P, or HE prefilter.
- For exposures outdoors, a NIOSH approved respirator with any R, P, or HE filter.

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 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) of 12 hours.

PPE required for early entry into 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

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 to 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 Makhteshim-Agan 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.
	<ul style="list-style-type: none"> • Do not make more than two applications per season. • For dry beans, a closed mixing system must be utilized to handle this product. 		
BEANS (Dry, Green, Lima) (CA only) (21)	Pacific Mites, Tomato Russet Mites, Twospotted Mites, Tropical Mites	3	Apply at first sign of mite buildup.
	<ul style="list-style-type: none"> • Do not make more than two applications per season. • For dry beans, a closed mixing system must be utilized to handle this product. 		
COTTON (30)	Desert Mites, Pacific Mites, Twospotted Mites	1½ 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.
	<ul style="list-style-type: none"> • Do not feed cotton stalks or trash to meat or dairy animals. • Do not make more than two applications per season. 		

CROP	PEST	PINTS/ACRE	COMMENTS
CUCUMBERS, SQUASH (2)	Pacific Mites, Tomato russet Mites, Twospotted Mites, Tropical Mites	¾	Apply at first sign of mite buildup. The minimum interval between applications is 7 days.
	<ul style="list-style-type: none"> 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, Twospotted Mites, Tropical Mites	2 to 2½	Apply at first sign of mite infestation.
	<ul style="list-style-type: none"> Do not apply more than two applications per season. 		
MINT (30)	Twospotted Mites	1½ to 2½	Make applications when mites become active. Use sufficient water to provide thorough coverage.
	<ul style="list-style-type: none"> Do not make more than one application per season. 		
PEPPERS, TOMATOES (2)	Pacific Mites, Tomato russet mites, Twospotted Mites, Tropical Mites	¾ to 1½	Apply at first sign of mite buildup.
	<ul style="list-style-type: none"> Do not apply more than two applications per season. Do not exceed 1 3/5 pints per acre per year. 		
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.
	<ul style="list-style-type: none"> 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, 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 pints/acre	Apply in full coverage sprays using 1 pint per 100 gallons of dilute spray (6 pints maximum per 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.
	<ul style="list-style-type: none"> Do not apply more than two applications per year. 		
GRAPES (7)	Clover (Brown Almond) Mites, European Red Mites, McDaniel Mites, Pacific Mites, Twospotted Mites, Willamette Mites, Yellow Mites	1½ to 2½	Apply just after bloom or whenever mites appear.
	<ul style="list-style-type: none"> Do not make more than two applications per season. Do not apply after fruit formation in California, Washington, and Oregon. 		

CROP	PEST	PINTS/ACRE	COMMENTS
PECANS, WALNUTS (see text for PHI)	Clover (Brown Almond) Mites, European Red Mites, McDaniel Mites, Pacific 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.
	<ul style="list-style-type: none"> • 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)	Sixspotted 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.
	<ul style="list-style-type: none"> • 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. 		
BERMUDAGRASS (grown for seed)	Banks Grass Mites, Bermudagrass 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, Bermudagrass Mites	2/3 to 1	Apply when mites appear and repeat as necessary.
	<ul style="list-style-type: none"> • Do not use on residential home lawns. 		

STORAGE AND DISPOSAL

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

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

PESTICIDE 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.

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 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.

In the event of a major spill, fire, or other emergency, call INFOTRAC at 800-535-5053.

WARRANTY STATEMENT

MAKHTESHIM-AGAN OF NORTH AMERICA 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 MAKHTESHIM-AGAN OF NORTH AMERICA. In no case shall MAKHTESHIM-AGAN OF NORTH AMERICA 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. In addition to the foregoing, no purchaser of this product (other than an end user) shall be entitled to any reimbursement for any loss suffered as a result of any suspension or cancellation of the registration for this product by the U.S. Environmental Protection Agency. Except as expressly provided herein, MAKHTESHIM-AGAN OF NORTH AMERICA makes no warranties,

guarantees, or representations of any kind, either expressed or implied, or by usage of trade, statutory or otherwise, with regard to the product sold, including, but not limited to merchantability, fitness for a particular purpose, use or eligibility of the product for any particular trade usage. 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 be damages not exceeding the purchase price paid for this product or, at MAKHTESHIM-AGAN OF NORTH AMERICA's election, the replacement of this product.

Dicofol 4E (00222-56)(To EPA 8-18-03)