

KELTHANE® 4F

FLOWABLE AGRICULTURAL MITICIDE



ACCEPTED

FOR AGRICULTURAL USE ONLY

JUL 1 1 1994

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 707-201

ACTIVE INGREDIENT

Dicofol

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

41%*

INERT INGREDIENTS.....

59%

TOTAL.....100%

*Equivalent to 4 lbs. active ingredient per gallon.
This product contains the toxic inert ingredient formaldehyde.

EPA REG. NO. 707-201

EPA EST NO. 707-PA-1

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NOTICE: Before using this product, read the entire Precautionary Statements, Conditions of Sale and Warranty, Directions for Use, Use Precautions, and Storage and Disposal Instructions on this label. If the Conditions of Sale and Warranty are not acceptable, return the product unopened within thirty days of purchase to the place of purchase.

KEEP OUT OF REACH OF CHILDREN

WARNING AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail).

STATEMENT OF PRACTICAL TREATMENT

IF IN EYES: Flush with plenty of water. Get immediate medical attention.

IF INHALED: Move subject to fresh air.

IF ON SKIN: Wash with plenty of soap and water. Get medical attention if irritation continues.

IF SWALLOWED: Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Avoid alcohol and fat-based liquids like milk. Get medical attention. Do not induce vomiting or give anything by mouth to an unconscious person.

NOTE TO PHYSICIAN: Adrenergic amines may cause myocardial irritability in the presence of chlorinated hydrocarbons, and convulsions may be a prominent symptom of poisoning.

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**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
WARNING**

Causes substantial but temporary eye injury and skin irritation. Harmful if swallowed or inhaled. Do not get in eyes, on skin or on clothing. **Skin contact with this pesticide may be hazardous.** This product is a skin sensitizer. Repeated exposure may cause allergic reaction in some individuals. If allergic reaction should occur, discontinue use and see a physician. Avoid breathing spray mist.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Coveralls over short-sleeved shirt and short pants
- Chemical-resistant gloves, such as Barrier Laminate or Butyl Rubber >14 mils
- Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure
- Chemical-resistant apron when cleaning equipment, mixing or loading

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.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standards(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

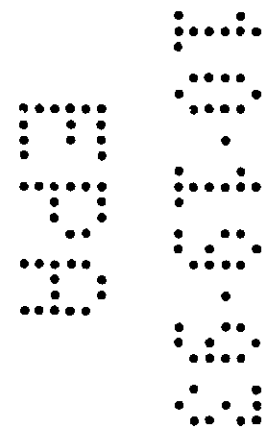
Users should:

- 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 HAZARD

This pesticide is toxic to fish. For terrestrial uses, do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from areas treated.

Do not contaminate water by cleaning of equipment or disposal of equipment washwaters.



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 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 over short-sleeved shirt and short pants
- Chemical-resistant gloves, such as Barrier Laminate or Butyl Rubber > 14 mils
- Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure

STORAGE AND DISPOSAL

PROHIBITIONS AND RECOMMENDATIONS: Do not contaminate water, food or feed by storage or disposal.

Open dumping is prohibited. Do not reuse empty container. Keep container closed when not in use.

STORAGE: KEEP FROM FREEZING. STORE AT 32 F-110 F

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture or rinstate 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). 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: Ventilate area. Avoid breathing vapors. Dike the spill with inert material (sand, earth, etc.) and transfer the liquid or solid dike material to separate containers for recovery or disposal. Keep spill out of all sewers and open bodies of water.

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CONDITIONS OF SALE AND WARRANTY

Rohm and Haas warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label only when used in accordance with label directions under normal conditions of use. ROHM AND HAAS MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES EITHER OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE. Handling, storage and use of the product by Buyer or User are beyond the control of Rohm and Haas and Seller. Risks such as crop injury, ineffectiveness or other unintended consequences resulting from, but not limited to, weather or soil conditions, presence of other materials, disease, pests, drift to other crops or property or failure to follow label directions will be assumed by the Buyer or User. IN NO CASE WILL ROHM AND HAAS OR SELLER BE HELD LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE HANDLING, STORAGE OR USE OF THIS PRODUCT.

CHEMIGATION

Do not apply this product through any type of irrigation system.

GENERAL USE INFORMATION

KELTHANE 4F Miticide is a liquid flowable formulation that gives high initial kill against most species of agricultural mites. KELTHANE 4F is a specific miticide and will not kill bees and beneficial insect predators when used as recommended.

KELTHANE 4F Miticide may be applied in dilute or concentrate sprays. The amount of KELTHANE 4F used per acre is the same regardless of spray volume. KELTHANE 4F is a contact miticide, not a systemic pesticide. Mites must come in contact with KELTHANE 4F as it is sprayed or be exposed to KELTHANE residues on the leaf and/or fruit surface. Since mites often infest the under-surfaces of leaves and fruits, effective control requires an application that thoroughly and uniformly coats all aerial plant surfaces. For maximum effectiveness, KELTHANE 4F Miticide should be applied to low populations of mites.

APPLICATION INFORMATION

COMPATIBILITY- KELTHANE 4F Miticide is compatible with most other commonly used insecticides and fungicides. However, compatibility with all products, formulations and additives available cannot be guaranteed. Test mix small proportionate quantities of all spray tank ingredients in a small jar to ensure compatibility. A compatibility agent such as LATRON AG 44-M may improve compatibility with some nutritionals, fertilizers, etc. Always add KELTHANE 4F to the spray tank before adding products formulated as emulsifiable concentrates. Maintain agitation in the spray tank during mixing (loading) and application. Consult State Agricultural Experiment Station spray schedules or State Extension Service Specialists for additional information.

WATER pH- Do not put KELTHANE 4F Miticide in alkaline solutions or mix with lime or lime-containing products. Adjust the pH of the diluent (spray) water to the slightly acidic range (pH 5 to 7) with a pH modifier such as LATRON AG-44M spray adjuvant after adding KELTHANE 4F Miticide to the tank.

ADJUVANTS- KELTHANE 4F Miticide may be used either with or without any additional adjuvants. It is many times beneficial to improve the spray coverage on difficult to wet foliage and to smooth out spray deposits on maturing fruit by the addition of a spreader-sticker such as LATRON B-1956. Other suitable pesticide spreader-stickers may also be used except in situations where LATRON B-1956 is recommended as the only acceptable spreader-sticker.

GROUND APPLICATION- Apply KELTHANE 4F Miticide as a dilute or concentrate spray with a properly calibrated and maintained sprayer in sufficient water to assure thorough and uniform coverage of foliage and fruit surfaces. All use rates specified by this label are based on a broadcast acre. If applications are banded, the application rates should be adjusted accordingly.

AERIAL APPLICATION- KELTHANE 4F Miticide may be applied by air in properly calibrated and maintained equipment. For row crops, use a minimum of 5 gallons per acre. For applications in perennial tree crops and vines use a minimum of 10 gallons per acre. Include a suitable spreader-sticker such as LATRON B-1956 or LATRON CS-7

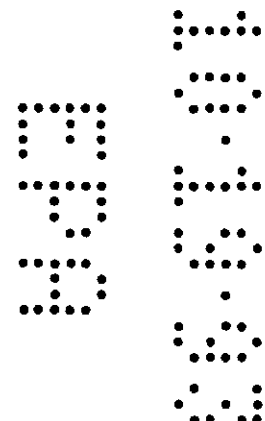
MITE RESISTANCE MANAGEMENT- Resistance to miticides is common and has been confirmed for virtually all commercial miticides. While resistance to KELTHANE 4F Miticide has been confirmed in some mite species it has also been conclusively demonstrated that resistance of mites to KELTHANE 4F is unstable. That is, susceptibility to KELTHANE 4F returns if KELTHANE 4F use is discontinued for a short time, usually 1 to 2 years. As a general rule, the utility of KELTHANE 4F can be maintained indefinitely by rotating use of KELTHANE 4F with miticides with different modes of action and by limiting the number of applications of KELTHANE 4F to one per season. Resistance management strategies vary from crop to crop and state to state. For additional information contact your State Extension Service Specialists or your local Rohm and Haas field representative.

MITES CONTROLLED

apple rust mite
Atlantic spider mite
Banks grass mite
bermudagrass mite
(couch grass bud mite)
broad mite
brown mite
carpini spider mite
clover mite

conifer spider mite
cyclamen mite
desert spider mite
European red mite
McDaniel spider mite
Pacific spider mite
pear rust mite
privet mite
Schoene spider mite
six-spotted mite
spruce spider mite

strawberry spider mite
tomato russet mite
tropical mite
two-spotted spider mite
Willamette mite
yellow spider mite
Yuma spider mite



CROPS AND DOSAGE RECOMMENDATIONS

CROP	APPLICATION RATE (KELTHANE 4F PER ACRE)	COMMENTS	RESTRICTIONS	DAYS FROM LAST APPLICATION TO HARVEST
APPLES	Trellised trees or trees 10 ft. tall or less: 3 to 4 pints; trees greater than 10 ft. tall: 4 to 6 pints.	Use the higher rate in each range for high mite infestation levels, larger trees or more dense foliage. Make applications when mite populations reach threshold levels as specified by Agricultural Experiment Station or State Extension Service Specialists.	Do not make more than 2 applications per season. Do not apply KELTHANE 4F to Idared variety before the second cover spray. Do not exceed 4 pints per acre per spray to Golden Delicious varieties. Do not make back-to-back or alternate row sprays more than 10 days apart.	7 days
CUCURBITS (Cantaloupe Cucumbers, melons, pumpkins, watermelons, winter and summer squash)	1 1/4 pints.	Apply KELTHANE 4F at the first signs of mite buildup. Because foliage of cucurbit crops is hard to wet, use sufficient carrier (water) volume to provide thorough coverage and use 2 quarts of LATRON B-1956 per 100 gallons of spray mix.	Do not make more than 2 applications per season. Do not feed treated vines, forage or crop residues to meat or dairy animals. The minimum interval between applications is 7 days.	2 days
GRAPES	2 1/3 pints.	Apply just after bloom or whenever mites appear.	Do not make more than 2 applications per season.	7 days
MINT	1 3/4 TO 2 1/2 pints.	Make applications when mites become active. Use sufficient water to provide thorough coverage.	Do not make more than one application per crop per season. Do not feed treated fresh or spent hay to meat or dairy animals.	30 days

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