



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

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

December 22, 1997

Renata R. Gaughan, Ph.D.
Rohm and Haas Company
100 Independence Mall West
Philadelphia, PA 19106-2399

Subject: Kelthane 35
EPA Registration No. 707-205
Label amendments

Dear Dr. Gaughan:

The revised labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable, provided you incorporate the Agency's conditions as enumerated in this letter and submit one copy of your final, printed labeling prior to releasing the product for shipment. A stamped copy of the label is enclosed for your files.

- 1) On page 5 of your label amend "Crops and Dosage Recommendations" to state "Crops and Dosage Requirements".
- 2) On page 5 of your label delete the "STONE FRUITS (APRICOTS, CHERRIES-SWEET AND SOUR, NECTARINES, PEACHES, PLUMS AND PRUNES)" row from the label. This includes deletion of all stone fruits, application rate, comments, restrictions and days from last application to harvest from the label.

If you have any questions regarding this letter, please contact me on (703) 308-6742.

Sincerely yours,

Lawrence Fried
Chemical Manager
Insecticide-Rodenticide Branch
Registration Division (7505C)

Enclosure

FOR AGRICULTURAL USE ONLY OR ONLY FOR
SALE TO, USE AND STORAGE BY SERVICEPERSONS

KELTHANE® 35

AGRICULTURAL MITICIDE WETTABLE POWDER



ACCEPTED
with COMMENTS
EPA Letter Dated

12-22-97

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

707-205

ACTIVE INGREDIENT

Dicofol

1,1-Bis(chlorophenyl)-2,2,2-trichloroethanol.....35%

INERT INGREDIENTS.....65%

TOTAL.....100%

EPA REG. NO. 707-205

EPA EST. NO 477-TX-1^L

Superscript used is first letter of lot number.

Before using this product, read the entire Precautionary Statements, Conditions of Sale and Warranty, Directions for Use, Use Restrictions and Storage and Disposal Instructions on side and back panel. 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 A V I S O

Precaucion Al Usuario: 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 SWALLOWED: Call a physician or Poison Control Center immediately. Drink 1 or 2 glasses of water. Do not use milk, cream or other liquids containing vegetable or animal fats. Induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person.

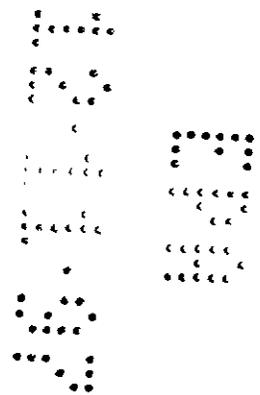
NOTE TO PHYSICIAN: Because this product is a chlorinated miticide vomiting is recommended. The administration of milk or other fat-based demulcents which might enhance absorption is to be avoided. Epinephrin or other adrenergic amines can cause myocardial irritability in persons poisoned with chlorinated hydrocarbons.

IF INHALED: Remove victim to fresh air. Treat the victim symptomatically. If irritation persists call a physician.

IF ON SKIN: Wash exposed areas with plenty of soap and water. If irritation persists, call a physician.

IF IN EYES: Flush eyes with plenty of water. If irritation persists call a physician.

NET CONTENTS 4 LBS. (1.814 KG.)



PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
WARNING

May cause eye injury. Harmful if swallowed, inhaled, or absorbed through the skin. Do not get in eyes or on clothing. Avoid breathing dust or spray mist. Frequent or repeated exposure to this product may cause allergic reactions in some people. Skin contact with this pesticide may be hazardous.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other must wear:

- Protective eyewear
- Coveralls over long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks
- Chemical-resistant headgear for overhead exposure
- Chemical-resistant apron when cleaning equipment, mixing or loading
- For handling activities, a dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21-C)

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 CONTROL SYSTEMS

Applicators **MUST** use enclosed cabs or cockpit.

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.

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

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
- Water-proof gloves
- Shoes plus socks
- Protective eyewear

STORAGE AND DISPOSAL

PESTICIDE DISPOSAL: Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. 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: Completely empty bag into application equipment, then dispose of empty bag 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: Sweep or shovel solid material into a suitable container for recovery or disposal. Keep spills out of all sewers and open bodies of water. REFER TO PRECAUTIONARY STATEMENTS.

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 35 Miticide is a wettable powder formulation that gives high initial kill against most species of agricultural mites. KELTHANE 35 is a specific miticide and will not kill bees and beneficial insect predators when used as recommended.

KELTHANE 35 Miticide may be applied in dilute or concentrate sprays. The amount of KELTHANE 35 used per acre is the same regardless of spray volume. KELTHANE 35 is a contact miticide, not a systemic pesticide. Mites must come in contact with KELTHANE 35 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 35 Miticide should be applied to low populations of mites.

APPLICATION INFORMATION

COMPATIBILITY- KELTHANE 35 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 35 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 35 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 35 Miticide to the tank.

ADJUVANTS- KELTHANE 35 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 spray adjuvant.

The following spray adjuvants have been especially formulated to optimize the performance of foliar-applied agricultural chemicals

LATRON B-1956®

A water-dispersible, resin-based nonionic surfactant that resists rewetting and removal by rain. Effective with dilute sprays applied by ground equipment.

LATRON CS-7®

A spreader-binder designed specifically for use in concentrate and low volume sprays applied in concentrate and low volume sprays applied by aircraft or ground equipment.

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 35 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 given in pounds KELTHANE 35 Miticide per acre are based on a broadcast acre. If applications are banded, the application rates should be adjusted accordingly.

AERIAL APPLICATION- KELTHANE 35 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 35 Miticide has been confirmed in some mite species it has also been conclusively demonstrated that resistance of mites to KELTHANE 35 is unstable. That is, susceptibility to KELTHANE 35 returns if KELTHANE 35 use is discontinued for a short time, usually 1 to 2 years. As a general rule, the utility of KELTHANE 35 can be maintained indefinitely by rotating use of KELTHANE 35 with miticides with different modes of action and by limiting the number of applications of KELTHANE 35 to one per season. If two applications are made in a single growing season, no application should be made in the following year.

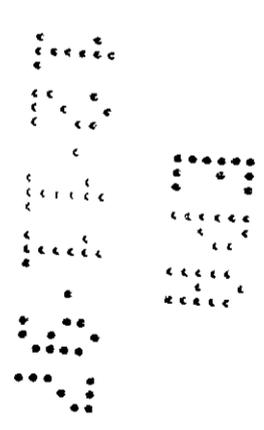
Resistance management strategies vary from crop to crop and state to state. For additional information contact your State Extension Service Specialists or your local Rohm and Haas field representative.

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
- plum nursery mite
- plum 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	COMMENTS	RESTRICTIONS	DAYS FROM LAST APPLICATION TO HARVEST
CUCURBITS (CANTALOUPE, CUCUMBER, MELON, PUMPKIN, WATERMELON, WINTER AND SUMMER SQUASH)	1-2/3 lbs. per acre.	Apply KELTHANE 35 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. The minimum interval between applications is 7 days.	2 days
GRAPES	3-1/2 lbs. per acre.	Apply just after bloom or whenever mites appear.	Do not make more than 2 applications per season.	7 days
POMEFRUITS (APPLE, PEAR INCLUDING ASIAN PEARS, CRABAPPLES, UINCE)	Trellised trees or trees 10 ft. tall or less: 4 to 5 lbs. per acre; Trees greater than 10 ft. tall: 6 to 8 lbs. per acre.	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 make back-to-back or alternate row sprays more than 10 days apart.	7 days
STONEFRUITS (APRICOTS, CHERRIES-SWEET AND SOUR, NECTARINES, PEACHES, PLUMS AND PRUNES)	2-3/4 to 5-1/2 lbs. per acre.	Use the higher rate for high mite infestation levels, larger trees or more dense foliage. Make application when mite populations reach threshold levels as specified by Agricultural Experiment Station or State Extension Service Specialist.	Do not make more than one application prior to fruit harvest. One additional post-harvest application may be made per season.	7 days
STRAW-BERRIES	3 lbs. per acre. For cyclamen mites only: 4 to 6 3/4 lbs. per acre.	Apply to low populations when mites first infest the crop. For cyclamen mite apply up to 2 thorough, high-pressure drenching sprays at a 10 to 20 day interval when new growth starts in spring or use as a spot treatment during production season.	Do not make more than 2 applications per season.	3 days
NON-RESIDENTIAL TURF GRASSES, NURSERIES, ORNAMENTALS FLOWERS, SHADE TREES	1 to 1-1/3 lbs. per 100 gallons; 1/3 to 1/2 oz. per 1000 sq ft. 1-1/2 Tbs. per gallon.	Spray in a manner which assures penetration of dense foliage and gives uniform and thorough coverage of upper and lower leaf surfaces. Avoid excessive runoff. Make applications when mites first appear and repeat in 10 to 14 days if necessary.	KELTHANE 35 is generally not phytotoxic to greenhouse grown crops. However, application should be made to a small representative group of plants to assure that a particular variety grown under current conditions is not unusually sensitive to KELTHANE 35. Do not use on residential home lawns.	
OUTSIDE SURFACES OF BUILDINGS	1 to 1-1/3 lbs. per 100 gallons; 1/3 to 1/2 per 1000 sq. ft; 1-1/2 Tbs. per gallon.	For control of clover mites, thoroughly spray outside walls, foundations, and windowsills and plants and lawn at the base of infested buildings.		

KELTHANE[®], LATRON AG44-M[®], B-1956[®] and CS-7[®] are registered trademarks of Rohm and Haas Company
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9/26/97

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