

9266 R2A

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

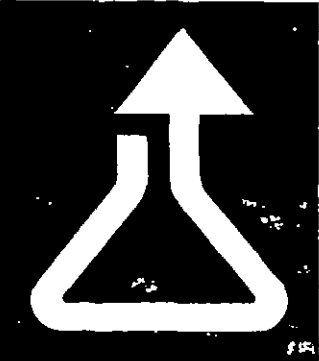
KELTHANE 4F

FLOWABLE

AGRICULTURAL MITICIDE

**KEEP OUT OF REACH OF CHILDREN
WARNING**
Before using this product, read all additional precautionary statements, storage and disposal instructions, use restrictions and limit of warranty and liability statements on back panel and attached use directions.

707-164



**ROHM
AND
HAAS**
PHILADELPHIA, PA. 19105

ACTIVE INGREDIENT	
1, 1-Bis(chlorophenyl)- 2, 2, 2 trichloroethanol	41%*
INERT INGREDIENTS	59%
	100%
*Equivalent to 4 lbs of active ingredient per gallon	

EPA Reg. No. 707-164 ✓
EPA Est. No. 707-PA 2
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NET CONTENTS
2.5 GALS
(9.46 L)

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. Avoid breathing spray mist. Wear goggles or face shield when applying. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

STATEMENT OF PRACTICAL TREATMENT

If In Eyes: Flush with plenty of water. Get immediate medical attention.

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.

ENVIRONMENTAL HAZARD

This pesticide is toxic to fish. Do not apply directly to water. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment or disposal of wastes.

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 above 32°F.

PESTICIDE DISPOSAL: Pesticide, spray mixture or rinsate that cannot be used according to label instructions must be disposed of according to Federal, State or local procedures under the Resource Conservation and Recovery Act.

CONTAINER DISPOSAL: Triple rinse (or equivalent) and dispose of in a sanitary landfill or by incineration if permitted by State and local authorities.

NOTICE: Seller warrants that the product conforms to its chemical description and is reasonably fit for the purpose 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, storage or handling of this product in a manner other than as directed by label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use. These risks include, but are not limited to, damage to plants, crops and animals to which the material is applied, failure to control pests, damage caused by drift to other plants or crops, and personal injury.

MADE IN U.S.A.

ROHM AND HAAS COMPANY
PHILADELPHIA, PA 19105
EPA REG NO 707-164
EPA EST NO 707 PA 2
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**KELTHANE® 4F FLOWABLE
AGRICULTURAL MITICIDE**

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

Before using this product, read all precautionary statements including use precautions, storage and disposal instructions, use directions, limit of warranty and liability statements in these use directions and on the container label.

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

KEEP OUT OF REACH OF CHILDREN

**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. Avoid breathing spray mist. Wear goggles or face shield when applying. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

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

ENVIRONMENTAL HAZARD

This pesticide is toxic to fish. Do not apply directly to water. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment or disposal of wastes.

GENERAL INFORMATION

KELTHANE 4F Miticide is a flowable formulation that gives high initial kill against most species of agricultural mites, including the following:

apple rust	peach silver
Bermuda	plum nursery
brown	privet
Carmin	Schoene
citrus flat	six-spotted
citrus red ("purple")	spruce
citrus rust	strawberry (Atlantic)
clover	Texas citrus
cyclamen	tomato russet
desert	tropical
dryberry	two-spotted ("red spider")
European red	Willamette
McDaniel	yellow (carpini)
Pacific	Yuma

KELTHANE 4F Miticide is a specific miticide and will not kill bees and beneficial insect predators, when used as recommended.

KELTHANE 4F Miticide is believed to be compatible with most other commonly used insecticides and fungicides. It should not be combined with lime. KELTHANE 4F Miticide may be applied in dilute or in concentrate ground sprays. For aerial sprays, use 3 to 10 gallons of water per acre and provide thorough coverage of all plant parts. Coverage on the underside of leaves is especially important. For further details, see specific recommendations in these use directions, then consult current State Agricultural Experiment Station spray schedules or State Extension Service Specialists for additional details on compatibility, dosage, timing and uses.

USE PRECAUTIONS

- Read and observe all label directions including use precautions before using.
- Use only for recommended purposes and at recommended rates.
- Do not apply to any crop within two weeks following a sulfur dust or spray.
- Do not apply to apples, apricots, cherries, crabapples, figs, grapes, nectarines, peaches, plums or quince after fruit formation in California, Oregon or Washington. Use KELTHANE 35 Miticide instead.
- Do not apply to prunes or strawberries after fruit formation in California. Use KELTHANE 35 Miticide instead.

CROP RECOMMENDATIONS

ALFALFA (GROWN FOR SEED ONLY — USE RESTRICTED TO CALIFORNIA, IDAHO, NEVADA, OREGON AND WASHINGTON) — Carmine, Pacific, strawberry (Atlantic) and two-spotted mites. Use 1 to 1½ quarts per acre in sufficient water for thorough coverage. Apply when mites become active and repeat if necessary. Treated fields are not to be grazed, and crop residues and cuttings are not to be fed to livestock or baled for such use. The fields must be cleared by burning crop residues or by discing into the soil.

APPLES — To clean up brown and European red mites and to control apple rust, McDaniel, Pacific, Schoene, two-spotted, Willamette and yellow (carpini) mites. Use ¾ to 1 pint per 100 gallons dilute spray (1 gallon maximum per acre). Make applications in the second or later cover sprays or whenever mite population appears. In areas where the preventive schedule is accepted practice, use 2 successive applications at 0.4 pint per 100 gallons dilute spray applied at 10 to 14 day intervals. Make thorough full coverage application. Do not apply within 7 days of harvest. To avoid possible injury, do not use glyodin fungicide with KELTHANE 4F Miticide in late cover sprays. Before using on this crop, read USE PRECAUTIONS section in these use directions.

APRICOTS — Brown, European red, McDaniel, Pacific, peach silver, plum nursery, Schoene, two-spotted, Willamette and yellow (carpini) mites. Use ¾ to 1 pint per 100 gallons dilute spray (6.4 pints maximum per acre). Apply in full coverage at petal fall to first cover or whenever mite population appears. Do not apply within 14 days of harvest. Before using on this crop, read USE PRECAUTIONS section in these use directions.

BEANS (dry, green, lima) — CALIFORNIA ONLY — Pacific, tomato russet, tropical and two-spotted mites. Use 3 pints per acre. Apply at first signs of mite build-up and repeat as necessary. Do not apply within 21 days of harvest. Do not feed treated vines (or crop residues) to meat or dairy animals.

BEANS (dry, green, lima) — Pacific, tropical and two spotted mites. Use ¾ to 1 pint per acre. Apply at first signs of mite build-up and repeat if necessary. Do not apply within 7 days of harvest. Do not feed treated vines (or crop residues) to meat or dairy animals.

BLACKBERRIES — Brown, European red, McDaniel, Pacific, two-spotted, Willamette and yellow (carpini) mites. Apply 0.6 to 1.2 quarts per acre, just after bloom or whenever mites appear, and repeat as necessary. Do not apply within 2 days of harvest.

BOYSENBERRIES — Refer to recommendations for blackberries.

CHERRIES — Brown, European red, McDaniel, Pacific, peach silver, plum nursery, Schoene, two-spotted, Willamette and yellow (carpini) mites. Use ¾ to 1 pint per 100 gallons dilute spray (6.4 pints maximum per acre). Apply in full coverage spray at petal fall, first cover or whenever mite population appears. For repeat application, wait 30 days to avoid excessive residues, but do not apply within 7 days of harvest. Before using on this crop, read USE PRECAUTIONS section in these use directions.

CHESTNUTS — Brown, European red, McDaniel, Pacific, two-spotted, Willamette and yellow (carpini) mites. Use 1.6 to 4 quarts per acre just after bloom or whenever mites appear and repeat as necessary. Do not apply within 14 days of harvest.

CITRUS (grapefruit, kumquats, lemons, limes, oranges, tangelos, tangerines) — Citrus flat, citrus red, citrus rust, six-spotted, Texas citrus and Yuma mites. Apply in full coverage sprays using 1 pint per 100 gallons of dilute spray (2 gallons maximum per acre). If concentrate sprays are used, adjust dosage accordingly. Apply when mites appear in threatening numbers and repeat as required for satisfactory control. Do not apply within 7 days of harvest.

CLOVER (GROWN FOR SEED ONLY — USE RESTRICTED TO CALIFORNIA, IDAHO, NEVADA, OREGON AND WASHINGTON) — Refer to recommendations for alfalfa.

COTTON — Desert, Pacific and two-spotted mites. Use 1 to 1½ quarts per acre, depending on size of plant and density of foliage. Apply in sufficient water to provide thorough coverage. Begin application when mites are first noted and repeat if necessary, and do not apply within 14 days of harvest. Do not feed cotton stalks or trash to meat or dairy animals.

CRABAPPLES — Refer to recommendations for apples. Before using on this crop, read USE PRECAUTIONS section in these use directions.

BEST DOCUMENT AVAILABLE

CUCUMBERS — Pacific, tomato russet, tropical and two-spotted mites. Apply 0.8 to 1.6 quarts per acre at first signs of mite build-up and repeat as necessary. Do not feed crop residues to dairy or meat animals. Do not apply within two days of harvest.

DEWBERRIES — Refer to recommendations for blackberries

FIGS — Brown, European red, McDaniel, Pacific, peach silver, plum nursery, Schoene, two-spotted, Willamette and yellow (carpini) mites. Use $\frac{3}{4}$ to 1 pint per 100 gallons dilute spray (4 pints maximum per acre). Apply in full coverage spray at petal fall to first cover or whenever mite population appears. KELTHANE 4F Miticide may cause fruit spotting of figs and should be used with caution. For repeat applications, wait 30 days to avoid excessive residues but do not apply within 7 days of harvest. Before using on this crop, read USE PRECAUTIONS section in these use directions.

FILBERTS — Refer to recommendations for chestnuts.

GRAPES — Brown, European red, McDaniel, Pacific, two-spotted, Willamette and yellow (carpini) mites. Use $1\frac{1}{3}$ to $2\frac{1}{3}$ pints per acre. Apply just after bloom or whenever mites appear and repeat if necessary. Do not apply within 7 days of harvest. Before using on this crop, read USE PRECAUTIONS section in these use directions.

HICKORY NUTS — Refer to recommendations for chestnuts.

HOPS — Pacific, tropical and two-spotted mites. Use 2 to $2\frac{1}{2}$ pints per acre. Apply at first sign of mite build-up and repeat if necessary. Do not apply within 7 days of harvest. Do not feed treated vines (or crop residues) to meat or dairy animals.

LOGANBERRIES — Refer to recommendations for blackberries.

MELONS (including cantaloupes and watermelons) — Pacific, tomato russet, tropical and two-spotted mites. Apply 0.6 to 0.8 pint per acre at first sign of mite build-up and repeat as necessary. Do not feed crop residues to dairy or meat animals. Do not apply within 2 days of harvest.

MINT (peppermint and spearmint for oil production) — Two-spotted mites. Use at $1\frac{1}{4}$ to $2\frac{1}{2}$ pints per acre in sufficient water for thorough coverage. Make application when mites become active. Do not apply within 30 days of harvest, and do not make more than one application per crop per season. Do not feed treated fresh or spent hay to livestock.

NECTARINES — Brown, European red, McDaniel, Pacific, peach silver, plum nursery, Schoene, two-spotted, Willamette and yellow (carpini) mites. Use $\frac{3}{4}$ to 1 pint per 100 gallons dilute spray (6.4 pints maximum per acre). Apply in full coverage spray at petal fall to first cover or whenever mite population appears. Do not apply within 14 days of harvest. Before using on this crop, read USE PRECAUTIONS section in these use directions.

OLALLIEBERRIES — Refer to recommendations for blackberries.

PEACHES — Brown, European red, McDaniel, Pacific, peach silver, plum nursery, Schoene, two-spotted, Willamette and yellow (carpini) mites. Use $\frac{3}{4}$ to 1 pint per 100 gallons dilute spray (6.4 pints maximum per acre). Apply in full coverage spray at petal fall to first cover or whenever mite populations appear. Do not apply within 14 days of harvest. Before using on this crop, read USE PRECAUTIONS section in these use directions.

PEARS — Refer to recommendations for apples. KELTHANE 4F Miticide may cause fruit spots on pears under certain conditions and should be used at lower dosages and with caution on this crop.

PECANS — Refer to recommendations for chestnuts.

PEPPERS — Pacific, tomato russet, tropical and two-spotted mites. Apply 0.8 to 1.6 pints per acre at first signs of mite build-up and repeat as necessary. Do not feed crop residues to dairy or meat animals. Do not apply within 2 days of harvest.

PLUMS — Brown, European red, McDaniel, Pacific, peach silver, plum nursery, Schoene, two-spotted, Willamette and yellow (carpini) mites. Use $\frac{3}{4}$ to 1 pint per 100 gallons dilute spray (4 pints maximum per acre). Apply in full coverage spray at petal fall to first cover or whenever mite population appears. For repeat application, wait 30 days to avoid excessive residues, but do not apply within 7 days of harvest. Before using on this crop, read USE PRECAUTIONS section in these use directions.

PRUNES — Brown, European red, McDaniel, Pacific, peach silver, plum nursery, Schoene, two-spotted, Willamette and yellow (carpini) mites. Use ¼ to 1 pint per 100 gallons dilute spray (4 pints maximum per acre) Apply in full coverage spray at petal fall to first cover or whenever mite population appears. For repeat application, wait 30 days to avoid excessive residues, but do not apply within 7 days of harvest. Before using on this crop, read USE PRECAUTIONS section in these use directions.

PUMPKINS — Pacific, tomato russet, tropical and two-spotted mites. Apply 0.8 to 1.6 pints per acre at first signs of mite build-up and repeat as necessary. Do not feed crop residues to dairy or meat animals. Do not apply within 2 days of harvest.

QUINCE — Refer to recommendations for apples. Before using on this crop, read USE PRECAUTIONS section in these use directions.

RASPBERRIES — Refer to recommendations for blackberries.

SQUASH (winter and summer) — Pacific, tomato russet, tropical and two-spotted mites. Apply 0.8 to 1.6 pints per acre at first signs of mite build-up and repeat as necessary. Do not feed crop residues to dairy or meat animals. Do not apply within 2 days of harvest.

STRAWBERRIES — Six-spotted, strawberry (Atlantic) and two-spotted mites. Use 1 quart per acre. Apply when mites appear and repeat as necessary, but do not apply within 2 days of harvest or if temperatures exceed 90°F. Before using on this crop, read USE PRECAUTIONS section in these use directions.

TOMATOES — Pacific, tomato russet, tropical and two-spotted mites. Apply 0.8 to 1.6 pints per acre at first signs of mite build-up and repeat as necessary. Do not feed crop residues to dairy or meat animals. Do not apply within 2 days of harvest.

WALNUTS — Brown, European red, McDaniel, Pacific, two-spotted, Willamette and yellow (carpini) mites. Use a full coverage spray of ¼ to 1 pint per 100 gallons dilute spray (1 gallon maximum per acre). Apply just after bloom or whenever mites appear and repeat if necessary. Do not apply within 14 days of harvest.

WATERMELONS — Refer to recommendations for melons.

OTHER USES

LAWN AND TURF GRASSES — Bermuda, brown and clover mites. Use 0.6 to 0.8 pint per 100 gallons (1 teaspoon per gallon). Apply 2½ gallons dilute spray per 1,000 square feet. Make application when mites appear, covering the entire lawn area with a thorough spray, and repeat in 10 to 14 days if necessary.

FLOWERING PLANTS (including African violets, chrysanthemums, sweet peas) — European red and two-spotted mites. Use 0.6 to 0.8 pint per 100 gallons of water. Apply full coverage spray at first sign of mites and repeat as necessary.

ORCHIDS — European red and two-spotted mites. Use 0.6 to 0.8 pint per 100 gallons of water. Apply full coverage spray at first sign of mites and repeat as necessary.

SHRUBS, TREES, VINES (ornamental) — (DO NOT APPLY TO CANAETI JUNIPER OR CHINESE HOLLY) — Clover, European red, spruce and two-spotted mites. Use 0.6 to 0.8 pint per 100 gallons of water. Apply full coverage spray at first sign of mites and repeat as necessary.

DOMESTIC DWELLINGS, MEDICAL FACILITIES, SCHOOLS — Clover mites. Use 0.6 to 0.8 pint per 100 gallons of water. Thoroughly spray only the outside walls, foundations and windowsills, as well as plants and lawns at base of infested buildings.

GREENHOUSE PLANTS (including carnations, chrysanthemums, roses) — Spider mites. Use 4 fluid ounces per 50,000 cubic feet. Apply by fog generator. Close all doors, windows, and ventilators. Turn off all misting systems, fans and sulfur pots. Be sure all blossoms and foliage are dry. Adjust inside temperature to 70 to 80°F. Keep greenhouse tightly closed for 1½ hours following treatment. Ventilate thoroughly for at least 1 hour before entering.

NOTE: KELTHANE 4F Miticide may be used without any spreader-sticker. When necessary to improve the spray coverage on foliage difficult to wet and to smooth out spray deposits on maturing fruit, TRITON® B 1956® is recommended. Other suitable pesticide spreader stickers may also be used except in situations where TRITON B-1956 is recommended as the only acceptable spreader-sticker.

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 above 32°F.

Pesticide Disposal: Pesticide, spray mixture or rinsate that cannot be used according to label instructions must be disposed of according to Federal, State or local procedures under the Resource Conservation and Recovery Act.

Container Disposal: Triple rinse (or equivalent) and dispose of in a sanitary landfill or by incineration if permitted by State and local authorities.

NOTICE: Seller warrants that the product conforms to its chemical description and is reasonably fit for the purpose 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, storage or handling of this product in a manner other than as directed by label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use. These risks include, but are not limited to, damage to plants, crops and animals to which the material is applied, failure to control pests, damage caused by drift to other plants or crops, and personal injury.

Mr. C. E. Jordan
2700 American Road
P.O. Box 1211
Philadelphia, PA 19105

FEB 22 1983

Dear Mr. Jordan:

Subject: Change in signal word from Danger to Warning
EPA Registration No. 707-1-4
Your application of November 17, 1982

The amendment referred to above, submitted in connection with registration under FIFRA sec. 3(c)(7)(7), is acceptable, provided that you:

1. Submit and/or cite all data required for registration/registration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data.

2. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:

a. Our review of the submitted data indicates that you could replace the statement "substantial but temporary" with "May cause eye irritation" or "Causes skin irritation" in your "Hazardous to Humans and Domestic Animals" paragraph.

b. The revised Confidential Statement of Formula is acceptable.

3. Submit five (5) copies of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Sincerely yours,

Jay C. Ellenberger
Product Manager (12)
Insecticide-Fungicide Branch
Registration Division (3-767)