



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

MAR 26 1997

Ms. Yvette Halderman
Administrative Assistant
General Manager
CTX, Inc.
481 Scotland Road
McHenry, IL 60050

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Dear Ms. Halderman:

Subject: Deletion of Unsupported Malathion Uses
Chem-Tox Malathion 50% E.C.
EPA Reg. No. 45385-43
Labeling Submitted December 13, 1996
Federal Register Notice of April 19, 1995

The labeling amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, As Amended (FIFRA), is acceptable, provided that you:

Submit one copy of your final printed label incorporating the following corrections before you release the product for shipment.

1. Revise the Environmental Hazards statements to read as stated below. These revisions will bring these statements into compliance with the 1988 Malathion Registration Standard and PR Notice 93-3.

"This product is toxic to fish, aquatic invertebrates, and aquatic life stages of amphibians. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in areas near the application site. Do not contaminate water when disposing of equipment washwaters.

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds if bees are visiting the treatment area."

2. Delete the following indoor use restrictions which appear on the submitted label under the Environmental Hazards. The indoor uses have been deleted from the label.

"Indoors: Use only with adequate ventilation. After using this product, ventilate thoroughly before occupying enclosed spaces. Do not allow contact with treated surfaces until sprays

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have dried."

3. The submitted label instructs the user to wear a mask or respirator of a type recommended by the U.S. Bureau of Mines. The use of such protective equipment is not on the current registered label for the product and is not required for malathion products bearing toxicity category III labeling such as the subject product.

Unless you have information regarding the toxicity of the product which would require the use of such equipment, this instruction should be deleted.

4. Correct the "If Swallowed:" statement of practical treatment by replacing the instructions to induce vomiting with the following instructions to reflect the aspiration hazard associated with the product.


" Drink promptly a large quantity of milk, egg whites, or gelatin solution, or, if these are not available, large quantities of water. Avoid alcohol. Do not induce vomiting as it may cause aspiration hazard."

5. In the directions for use on beans, correct the dilution rate to read as it appears on the current registered label; i.e. 1-1.5 pts./100 gal.

If this condition is not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product bearing the amended label constitutes acceptance of this condition.

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

Sincerely,


William W. Jacobs, Ph. D.
Acting, Product Manager Team 14
Insecticide-Rodenticide Branch
Registration Division (7505C)

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CHEM-TOX MAL - 50% - E.C.

FOR GARDEN - HOME

- CONTAINS Fyfanon* Emulsifiable Liquid

ACTIVE INGREDIENTS:

Malathion (O,O-dimethyl phosphorodithioate of diethyl

mercaptosuccinate).....50.00%

**INERT INGREDIENT.....50.00%

**contains aromatic petroleum distillate - 44.0%

*Trademark of Chemnova/Lenwit

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

ACCEPTED
EPA COMMENTS
EPA Review Exempt
MAR 20 1997
Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended by the FIFRA Act
registered under EPA Reg. No.
45385-43

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

CAUTION: Harmful if swallowed. Avoid contact with skin. Avoid breathing spray mist. Wash skin thoroughly after handling. Avoid contamination of feed and foodstuff.

STATEMENT OF PRACTICAL TREATMENT

If swallowed: Call a Physician or Poison Control Center immediately. Drink one or two glasses of water and induce vomiting by touching the back of the throat with finger. Repeat until vomit fluid is clear. Do not induce vomiting or give anything by mouth to an unconscious person. If inhaled - Remove victim to fresh air. Apply artificial respiration if indicated. If on skin - Remove contaminated clothing and wash affected areas with soap and water. If in eyes - Flush eyes with plenty of water. Call physician immediately. Note to Physician: Malathion, upon repeated, prolonged, careless use, may cause cholinesterase inhibition. Atropine is antidotal.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds, and other wildlife. Do not apply directly to water or wetlands (i.e., swamps, bogs, marshes, and potholes). Drift and runoff maybe hazardous to aquatic organisms in area near the application site. Do not contaminate water when disposing of equipment wash waters. This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment areas. Indoors: Use only with adequate ventilation. After using this product, ventilate thoroughly before occupying enclosed spaces. Do not allow contact with treated surface until sprays have dried.

PHYSICAL AND CHEMICAL HAZARDS

Do not pour, use, spill or store near heat or open flame.

EPA Reg. No. 45385-43

EPA Est. No. 45385-IL-01

Manufactured by:

CTX, Inc.

481 Scotland Road, McHenry, IL 60050

Net Contents: _____

96 DEC 18 P 2:04

RECD LITTON P70P01

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DIRECTIONS FOR USE

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

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Store in original container and place it in a cool, dry, locked or secured storage area.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Wastes resulting from the use of this product may be disposed of on site at an approved waste disposal facility. **CONTAINER DISPOSAL:** 1. Household (All) - Do not reuse empty container (bottle, can bucket). Wrap container and put in trash. 2. Metal (All Sizes) - Triple rinse (or equivalent) and offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state or local authorities. 3. Plastic (All) - Triple rinse (or equivalent) and offer for recycling or reconditioning, or puncture and dispose of in sanitary landfill, or incinerate, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

GENERAL: When applying this product wear mask or respirator of a type recommended by the U.S. Bureau of Mines to give adequate protection against this material. Wear protective clothing to minimize skin exposure.

OUTDOOR APPLICATION

ORNAMENTALS- FLOWERING PLANTS-ORNAMENTAL WOOD PLANTS:

Do not allow spray to contact ferns, hickory viburnum, lantana, crassula, or canaeth juniper as injury may result to plants. Do not apply to els under conditions of drought, heat or disease.

DILUTION RATE: 1 1/2 pts/100 gal or 2 tsp/gal.

PESTS: Aphids (incl. cherry, green apple, rosy apple, snowball and woolly apple aphid), bagworms, birch leafminer, boxelder bug, boxwood leafminer, chrysanthemum leafminer, elm leafminer, European pine shoot moth, fourlined leaf bug, Japanese beetle (adults), lace bugs, leafhoppers (incl. rose leafhopper), Locust leafminer, Mealybugs (incl. citrus mealybug), Mites (incl. boxwood, European red mite, gall mite, honey locust, oak, red spider, southern red mite, spruce and twospotted spider mite), Potato leafhopper, Psyllids (incl. boxwood psylla), Scales (incl. azalea, black, euonymus, fletcher, Florida red scale, juniper, mangnolia, Monterey pine scale, oak, kernes, oyster shell scale, needle, scurfy scale, soft brown and wax scale), tarnished plant bug, tent caterpillar, thrips, whiteflies.

For pine needle scale, (2 1/2 pts/100 gal or 4 tsp/gal.) apply when crawlers have settled. May be applied by mist blower Repeat at 5 to 7 days intervals as needed.

FRUIT CROPS

CHERRY: Rate: (1.5 pts/100 gal or 2 tsp/gal) 3 pre-harvest days interval. Foliage application. For cherry fruit fly, repeat at 10 day intervals. For Forbes scale and San Jose scale, apply 21 days before harvest. Pests: aphids (incl. black cherry, black peach, green peach aphid), cherry fruit fly, codling moth, wyespotted bud moth, fruitree leafroller, Japanese beetle, (adults) leafhoppers, lesser peachtree borer, mites (incl. spider, brown European red and twospotted spider mite), orange tortrix, oriental fruit moth, plum curculio, redbanded leafroller, scales (incl. Forbes and San Jose scale), thrips.

Strawberry: Rate: 1.5 pts/100 gal or 2 tsp/gal. 3 days pre-harvest interval. Foliage application. Do not use where cyclamen mite is a problem. Pests: aphids, field crickets, leafhoppers (incl. potato leafhopper), leafrollers (inc. strawberry leafroller), mites (incl. spider mites, such as twospotted spider mite), rose scale, spittlebugs, strawberry root weevil, thrips, whiteflies.

VEGETABLES:

CUCUMBER: Rate: 3 tsp/gal, 1 day pre-harvest day interval. Do not apply unless plants are dry, Foliage application. Pests: aphids, peckeworm, spider mites, cucumber beetles.

BEANS: 1-1.5 pts/10 gal or 2 tsp/gal. 1 pre-harvest day interval. Foliar application. Make 2 or more applications as needed. Pests: aphids (incl. bean aphid) bean leaf beetle, blister beetles, corn earworm, cucumber beetles, cutworm, darling beetles, spider mites (incl. twospotted spider mite), stink bugs.

TOMATO: Rate: 2 tsp/gal. 5 pre-harvest days interval. Foliar application. For aphids, spider mites, and tomato russet mite, apply the higher dosage. Pests: aphids, drosophila, leafminers (incl. serpentine leafminer) spider mites (incl. twospotted spider mite, tomato hornworm).

CORN: Rate 3 pts/100 gal. or 2 tsp/gal. 5 pre-harvest Days interval. Foliar application, for aphids, apply spray formulation by locating pests in leaf sheath and use as much water as possible, direct spray into whorl. For corn rootworm, begin treatment when 10% of ears show silk. Make 4-5 applications at 3-5 days intervals. Injury may occur in the whorl stage. For grasshoppers, apply at nymphal stage. Pests: aphids (incl. corn leaf aphid), armyworms, cereal leaf beetle, corn rootworms (adults) grasshoppers, sap beetles, thrips, spider mite.

OUTDOORS - MOSQUITOES - FLIES - BITING MIDGES - GNATS - MOTHS (all adults)
Dilute 1 to 24 parts with water, fuel or diesel oil (2% finished spray), or 1 to 9.5 parts with water, fuel or diesel (5% finished spray). Apply a 2%-5% fog, aerosol or space spray. Average swath width is 300 to 400 feet. For mosquitoes, allow the finished spray to remain in the area for a minimum of 10 seconds. For flies, allow the finished spray to remain in the area for a minimum of 40 to 50 seconds. Repeat application as necessary. Avoid applying oil based spray to ornamental plants. Treat shrubbery and vegetation where mosquitoes may rest, shrubbery and vegetation around stagnant pools, marshy areas may also be treated.

TERMS OF SALE OR USE ON PURCHASE OF USE OF THIS PRODUCT:

Warranty: Manufacturer and seller warrants that this product, as of time of sale conforms to the ingredient statement on the label, and is reasonable fit for the purpose set forth in the Directions for Use. Except as so warranted the product is sold as is. Manufacturer makes no other warranty express if implied. **EXCUSE FROM NON-CONTROLLABLE CONDITIONS:** Because of certain critical conditions created or incurred by buyer or user over which manufacturer has no control, buyer and user as a condition of purchase or use, assume responsibility for and release manufacturer from, liability arising out of handling or use of this product attributable to such causes. No person is authorized to vary or waive statement contained herein.