



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

BEVERLY RANDALL
UNIVERSAL COOPERATIVES, INC.
AGENT FOR: AGWAY INC.
BOX 460
MINNEAPOLIS, MN. 55440

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Subject: Label Amendment Submission of 08/12/93 In Response to PR Notice 93-7
EPA Reg. No. 8590-267
METHOXYCHLOR 2-EC

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments reflected on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

WHAT YOU NEED TO DO NEXT:

By the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling
- AND
- WITHIN one year from date of this acceptance.

BEST AVAILABLE COPY



Recycled/Recyclable
Printed with SoyCanada Ink on paper that
contains at least 30% recycled fiber

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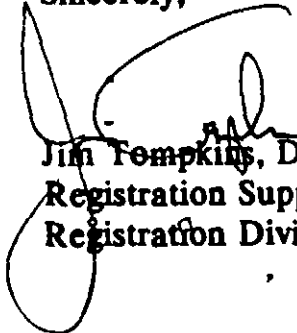
Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs (7505C)
U.S. Environmental Protection Agency
401 M Street, SW
Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs
Room 266A, Crystal Mall 2
1921 Jefferson Davis Highway
Arlington, VA 22202

Sincerely,



Jim Tompkins, Deputy Chief
Registration Support Branch
Registration Division (7505W)

Attachment

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division

Beverly Randall
UNIVERSAL COOPERATIVES INC
AGENT FOR: AGWAY INC
BOX 460
MINNEAPOLIS MN 55440

Comment for: EPA Reg Nr.8590-267
METHOXYCHLOR 2-EC

The following specific comments pertain to your WPS labeling submission concerning the product cited above:

Add the following User Safety Recommendation to the label in the location shown in Section A on Part I of the Product Worksheet in Supplement Three-A to PR Notice 93-7: "Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet."

Add the following User Safety Recommendation to the label in the location shown in Section A on Part 1 of the Product Worksheet in Supplement Three-A to PR Notice 93-7: "Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing."

Add the following statement to the Directions For Use section on your labeling immediately above the Agricultural Use Requirements box: "For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation." The exact location is shown in Section F on Part 2 of the Product Worksheet in Supplement Three-A to PR Notice 93-7.

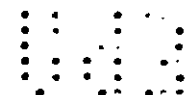
The bodywear requirement for early entry in the Agricultural Use Requirements box on your proposed labeling is missing or incorrect. Remove the incorrect requirement (if any) and add "Coveralls". The exact location is shown in Sections F and G on Part 2 of the Product Worksheet in Supplement Three-A to PR Notice 93-7.

Delete the crossed-out statements on your proposed label. They are redundant statements or phrases.

CERTIFICATION

I certify that the revised labeling being submitted for this product is in complete accordance with the labeling requirements of PR Notice 93-7, which reflects the requirements of EPA's labeling regulations for worker protection statements (40 CFR part 156, subpart K). Where exact language is specified in the PR Notice I have used that language exactly, in the location specified. I further certify that no revisions are being submitted other than those directed by PR Notice 93-7. I understand that it would be a violation of FIFRA if I or my supplemental registrants were to sell or distribute this product after April 21, 1994, without amended labelling complying with the requirements of 40 CFR part 156, subpart K.

BEST AVAILABLE COPY



((FRONT PANEL))

Net Weight
1 Gal
5 Gal
30 Gal

AGWAY

METHOXYCHLOR 2EC

INSECTICIDE EMULSIFIABLE CONCENTRATE

For control of various insects on livestock, vegetables, forage crops, agricultural premises, farm buildings, grain storage bins, ornamentals and shade trees.

Product contains 2 lbs. Methoxychlor per gallon.

ACTIVE INGREDIENT:

*Methoxychlor: 1,1,1-Trichloro-2,2-bis (P-methoxyphenyl) ethane 24.0%

INERT INGREDIENTS*: 76.0%

Total 100.0%

Equivalent to 22% 1,1,1-trichloro-2,2-bis (p-methoxyphenyl) ethane, 3% other isomers and related compounds.

*Contains xylene range aromatic solvent.

KEEP OUT OF REACH OF CHILDREN (12 PT)

CAUTION (18 PT)

See additional precautionary statements on side panel.

AGWAY INC.
P. O. BOX 4741
SYRACUSE, NY 13221

EPA Reg. No. 8590-267

EPA Est. No. 8590-PA-1

A0683-1

ACCEPTED
with COMMENTS
in EPA Letter Dated

MAY 28 1984

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
8590-267

BEST AVAILABLE COPY

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

CAUTION: May be harmful if swallowed. Avoid contact with skin. ~~Wash thoroughly after handling.~~ Avoid breathing dust or spray mist. Avoid contamination of feed, seed and foodstuffs.

Personal Protective Equipment

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category "G" on an EPA chemical resistance category selection chart.

Applicator and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves, such as Barrier Laminate or Viton \geq 14 mils
- Shoes plus socks

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.

STATEMENT OF PRACTICAL TREATMENT

If swallowed: Call a physician immediately. DO NOT INDUCE VOMITING UNLESS NO OTHER TREATMENT IS AVAILABLE. Vomiting may cause aspiration pneumonia. If it is necessary to induce vomiting, give victim one or two glasses of water and insert finger in back of throat. 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. See a physician if irritation persists.

ENVIRONMENTAL HAZARDS

This product is toxic to fish and aquatic invertebrates. For terrestrial use, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Aerial application over such sites is permissible only when they are not visible from above the tree canopy. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters.

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PHYSICAL OR CHEMICAL HAZARDS

Do not use this product with any spray materials that are not compatible with oil. Do not apply within 14 days of sulfur or sulfur containing products.

Do not use or store near heat or open flame.

STORAGE AND DISPOSAL (12 pt)

PROHIBITIONS: Do not contaminate water, food or feed by storage, disposal or cleaning of equipment. Open dumping is prohibited. Do not reuse empty container.

STORAGE: Store unused product in original container only. Store in a cool, dry area preferable locked and out of the reach of children and animals. Not for use or storage in or around the home. Protect from excess heat.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: 1 Gal.
Triple rinse (or equivalent). Then dispose of in a sanitary landfill or by other approved State and local procedures.

CONTAINER DISPOSAL: 5 Gal., 30 Gal.
Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

GENERAL INFORMATION: Agway Methoxychlor 2EC Insecticide contains 2 lbs. technical methoxychlor per gallon. On mixing with water it forms a stable emulsion for the control of various insects. It is suitable for use in either high or low volume application equipment.

When applying Agway Methoxychlor 2EC Insecticide, use sufficient spray volume to thoroughly cover all surfaces to be treated.

DIRECTIONS FOR USE

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

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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 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.

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 long-sleeved shirt and long pants
- Chemical-resistant gloves, such as Barrier Laminate or Viton \geq 14 mils
- Shoes plus socks

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

FORAGE CROPS: Alfalfa, clover, grass, soybean, cowpea, and peanut forage - Apply the following rates of Agway Methoxychlor 2EC Insecticide in 15 to 30 gallons of water per acre. Apply every 10 to 14 days or as needed. Do not apply during blooming. No application later than 7 days before harvesting or grazing.

INSECTS

Leafhopper, spittlebug	1 to 2 qts. per acre
Alfalfa caterpillar, flea beetle	1 1/2 to 2 qts. per acre
Alfalfa weevil (larvae)*	2 to 3 qts. per acre
Alfalfa webworm, fall armyworm, cloverleaf weevil, Mexican bean beetle, pea weevil, soybean caterpillar, velvet bean caterpillar	2 to 3 qts. per acre
Cowpea curculio, Japanese beetle	3 qts. per acre
Armyworm	3 to 4 qts. per acre

*For pea aphid as an alternate program for control of alfalfa weevil (larvae), add Malathion (emulsifiable) at 1 to 1 1/4 lbs. active ingredient per acre.

Do not graze or feed treated cowpea vines or cowpea hay to livestock. Do not graze or feed treated soybean hay or straw to livestock.

VEGETABLES: For the control of the following insects apply 2 to 4 quarts of Methoxychlor 2EC Insecticide in 25 gallons of water per acre. Thoroughly spray upper and lower foliage surfaces, as well as the fruit. Begin treatment at first sign of insect infestation and repeat at 7 to 10 intervals as infestation warrants.

<u>CROP</u>	<u>INSECTS</u>	<u>INTERVAL FROM LAST APPLICATION TO HARVEST</u>
Potato	Blister beetle, Colorado potato beetle, Flea beetle, Leafhopper	0 Days
Asparagus	Asparagus beetle	3 Days If applied later remove residues by washing or blanching spears.
Beans	Bean leaf beetle, corn earworm, fall armyworm, Japanese beetle, leafhopper, rose chafer, Mexican bean beetle	3 Days
Black-eyes Peas Cabbage	Cowpea curculio, Imported cabbage worm, cross-striped cabbage worm, flea beetle	3 Days
Beets	Blister beetle, flea beetle	7 Days. 14 Days if tops are to be used as food or feed.
Carrots	Leafhopper	7 Days. 14 Days if tops are to be used as food or feed.
Cantaloupes Cauliflower	Cucumber beetle, melon worm, Imported cabbage worm, cross-striped cabbage worm, flea beetle	7 Days
Cucumber	Cucumber beetle	7 Days
Eggplant	Flea beetle, leafhopper	7 Days
Kohlrabi	Flea beetle	7 Days
Melons	Cucumber beetle, melon worm	7 Days
Peas	Pea weevil	7 Days

Do not graze or feed treated pea vines or pea hay to livestock.

<u>CROP</u>	<u>INSECTS</u>	<u>INTERVAL FROM LAST APPLICATION TO HARVEST</u>
Peppers	Flea beetle, leafhopper rose chafer	7 Days
Pumpkins	Cucumber beetle, squash vineborer	7 Days
Radishes	Flea beetle	7 Days
Rutabaga	Flea beetle	7 Days
Squash	Cucumber beetle, squash vineborer	7 Days
Tomatoes	Blister beetle, Colorado potato beetle, flea beetle, leafhopper, fall armyworm, tomato fruitworm, Japanese beetle, tomato hornworm	7 Days
Corn (field & sweet)	Fall armyworm, flea beetle, Japanese beetle, rose chafer	7 Days
Corn (sweet)	Corn earworm, apply to silks as soon as they appear. Make 3 to 4 applications at 2 to 3 day intervals as infestation warrants. Re-apply immediately after a rain.	7 Days
Do not feed treated corn to livestock.		
Broccoli	Imported cabbage worm, cross-striped cabbage worm, flea beetle	14 Days
Brussels Sprouts	Imported cabbage worm, cross-striped cabbage worm, flea beetle	14 Days
Collards	Flea beetle	14 Days
Kale	Flea beetle	14 Days
Turnips	Flea beetle	14 Days

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LIVESTOCK (Beef and Dairy Cattle, Goats, Sheep and Swine) - Apply the following rates of Methoxychlor 2EC Insecticide for the control of hornflies, lice, ticks, keds and fleas.

Beef Cattle - Mix 2 quarts in 25 gallons of water. As a spray, use 2 quarts of the mixture per head for larger animals and proportionally less for smaller ones. Thoroughly wet animals. Do not use in dipping vats.

Spot Treatment for Tail Lice - Mix 4 to 6 quarts in 25 gallons of water and apply as a spray on the infested tail only. Do not apply to animals being finished for slaughter. Do not contaminate feed or water.

Dairy Cattle (Non-Lactating) - mix 2 quarts in 25 gallons of water. As a spray use 2 quarts of the mixture per head for large animals and proportionally less for smaller ones. Thoroughly wet animals. Do not use as a dip. Do not apply during lactation or within 2 weeks of freshening. Goats, sheep and swine - Mix 2 quarts in 25 gallons of water. As a spray thoroughly wet animals. Do not apply to lactating goats.

AGRICULTURAL PREMISES: Insects requiring control measures- houseflies, stableflies, cadellies, confused flour beetle, flat headed grain beetle, grassy weevil, hairy fungus beetle, lesser grainborer, long headed flour beetle, red flour beetle, rice weevil, sawtoothed grain beetle and grain moths. Apply the following rates as specified for various areas.

Farm Buildings (Barns, Milk Rooms, Pens, Stalls, Alleys and Dumps) - Mix 1 quart Methoxychlor 2EC Insecticide in 2 1/2 gallons of water. Use as a residual spray applying 1 gallon of the prepared spray to 500 sq. ft. Repeat applications are required for effective control. Exclude dairy animals while treating barns. Do not contaminate milk, feed or drinking water.

Grain Storage Bins - Mix 1 quart Methoxychlor 2EC Insecticide in 2 1/2 gallons of water. Apply 1 gallon of mixture to 500 sq. ft. Apply as a residual spray to all exposed surfaces, paying attention to all cracks and crevices. Allow bins to air and dry before refilling with grain; 2 to 4 weeks.

Elevator Tunnels, Gallery Floors, Head Houses - Mix 1 quart Methoxychlor 2EC Insecticide in 2 1/2 gallons of water. Apply 1 gallon of mixture to 500 sq. ft. Clean area thoroughly before spraying. Treat about 3 times per season (summer).

MOSQUITO CONTROL: Methoxychlor 2EC Insecticide is effective for controlling both adult and larval mosquitoes on non-croplands such as parks, beaches, public dumps and residential areas.

Adult Mosquitoes - Thermal fogging is effective if applied during the active periods of the adults (morning and evening). Avoid fogging when winds exceed 5 miles per hour as its effectiveness is reduced.

For fogging large areas, prepare a 100 gallon batch of spray material. Mix 3 1/2 gallons of Methoxychlor 2EC Insecticide in 96 1/2 gallons of light fuel oil (No. 2 diesel, HAN, etc.) and apply 5 to 7 gallons per acre.

For fogging smaller areas, mix 1 pint of Methoxychlor 2EC in 4 7/8 gallons of light fuel oil (5 gallon batch) and apply 5 gallons per acre.

Adult Mosquitoes - Mist blowers or sprayer equipment require mixing of the Methoxychlor 2EC with water. For mist blowers or sprayers, mix 4 gallons of Methoxychlor 2EC with 96 gallons of water and apply 5 to 7 gallons per acre.

For spraying smaller areas, mix 1 1/2 pints of Methoxychlor 2EC in 4 7/8 gallons of water (5 gallon batch) and apply 5 gallons per acre.

For aerial application over large land masses at low volume, mix 1 gallon of Methoxychlor 2EC in 15 gallons of light fuel oil and apply approximately 4 gallons per acre.

For mosquito larval control, dilute 1 pint of Methoxychlor 2EC in sufficient water or light fuel oil to provide accurate coverage. Apply to 1 acre of marshland, swamp or low lying areas. Thorough, even coverage is essential for effective control. Repeat application as infestation warrants. Apply only to known mosquito breeding sites.

NOTE: DO NOT APPLY TO WATER USED FOR IRRIGATION, RECREATIONAL AND DOMESTIC PURPOSES.

FOREST AND SHADE TREES: For control of the following insects, use a 6% methoxychlor solution with a mist blower at rates recommended in the following table.

Mix 1 gallon Methoxychlor 2EC per 3 gallons of water for mist blower solution or 1 to 2 quarts of Methoxychlor 2EC per 100 gallons of water for conventional sprayer.

INSECTS	PINTS 6% SOLUTION PER TREE TREE HEIGHT				GALLONS 6% SOLUTION PER ACRE
	35-50'	50-65'	65-80'	80-120'	
Cankerworm	2	2	3	4	2
Eastern tent caterpillar	2	2	3	4	2
Elm leaf beetle	2	4	6	8	
Fall webworm	5	1	2	2	1
Forest tent caterpillar	1	1.5	2	3	2
Gypsy moth	0.5	1	2	2	2
Japanese beetle	2	4	4	4	3
Lace bug (Oaks & Sycamore)	1.5	2	3	4	2
May beetle	1.5	2	3	4	2
Tussock moth	2	2	3	4	2

Control of Elm Bark Beetle - (Vectors of Dutch Elm Disease) - Apply first application before elm flowers or leaves sprout using a 12% spray solution of Methoxychlor 50W Insecticide with a mist blower, or a 2% spray solution in a conventional sprayer. This application will usually be applied in March in the southern states and in April in the northern states. Use 2 to 3 gallons of spray solution wetting all surfaces thoroughly.

Second application should be made 2 1/2 to 3 months after the first treatment. Reduce the active ingredient to 6% for mist blower, and 1% for conventional sprayer. Cover all leaf and bark surfaces.

CONTROL OF ELM LEAFHOPPER (Vectors of Elm Phloem Necrosis) - Apply first application when leaves are fully grown. Use a 6% spray solution of Methoxychlor 50W Insecticide with a mist blower, or a 1% spray solution in a conventional sprayer. This application will be made in May in the southern states and in June in the northern states. Thoroughly cover all leaf surfaces.

When second flush of growth appears usually 1 to 2 months after first treatment, repeat the above application covering all leaf surfaces thoroughly.

In those states where both the elm leafhopper and elm leaf beetle are known to be present, a three spray schedule will provide effective control. Apply protective spray before elm flowers or leaves sprout. Follow with second protective spray 2 1/2 to 3 month after the first. Then apply the third protective spray about 1 to 3 months after the second protective spray. Be sure to thoroughly cover all bark and foliage with each protective spray.

Preparation of Spray Solutions: 12% spray - dilute 1 part Methoxychlor 2EC with 1 part water. 6% spray - dilute 1 part Methoxychlor 2EC with 3 parts water. 2% spray - dilute 1 part Methoxychlor 2EC with 12 parts water. 1% spray - dilute 1 part Methoxychlor 2EC with 24 parts water.

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DISCLAIMER: Buyer assumes all risks of use, storage or handling not in strict accordance with directions given herewith.

NOTE: This pesticide is to be sold only in this original, unbroken package.

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