

MAR 29 1992

Ms. Beverly Randall
Agway, Inc.
c/o Universal Coopertives, Inc.
Minneapolis, Minnesota 55440

Dear Ms. Randall:

Subject: Methoxychlor Reregistration labeling amendment
Methoxychlor 50W
EPA Registration No. 8590-324
Amendment application of April 27, 1992

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended is acceptable. A stamp copy is enclosed for your records.

The statement "Do not apply directly to wetlands" as it appears in the environmental hazard statement must be changed to "Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark."

Sincerely yours,

DHE

Dennis H. Edwards, Jr.
Product Manager (19)
Insecticide-Rodenticide Branch
Registration Division (H-7505C)

Enclosure

((FRONT PANEL))

Net Weight
4 lbs
50 lbs

AGWAY

METHOXYCHLOR 50W

For agricultural or commercial use only.

WETTABLE POWDER FOR DAIRY AND BEEF CATTLE, BUILDINGS AND CROPS.

Wettable Powder Insecticide for the control of various insects on livestock, vegetables, fruits, grasses and legumes, forest and shade trees, agricultural premises, farm buildings and grain storage bins.

ACTIVE INGREDIENT:

*Methoxychlor: 1,1,1-Trichloro-2,2-bis
(P-methoxyphenyl) ethane 50%

INERT INGREDIENTS: 50%

Total 100%

*50% Methoxychlor is equivalent to 44% 1,1,1-trichloro-2,2-bis (p-methoxyphenyl) ethane and 6% other isomers and reaction products.

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. 8590-324

EPA Est. No. 8590-PA-1

AGWAY INC.
with 40% Methoxychlor
is EPA Est. No. 8590-PA-1
JUN 29 1992
Under the Federal Insecticide
Fungicide, and Rodenticide Act
is granted. For this product
registered under EPA Reg. No.
8590-324

((REAR PANEL))

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.

STATEMENT OF PRACTICAL TREATMENT

If swallowed: Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Call a physician immediately. 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. Do not apply directly to water or wetlands (swamps, bogs, marshes and potholes)! 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.

GENERAL INFORMATION

Agway Methoxychlor 50W Insecticide contains 50% technical methoxychlor per pound, may be used as a spray (water suspension) for plant and animal protection, or may be diluted with suitable dilutents (talc, pyrophyllite) to make a finished dusting compound to use on livestock (see directions for specific uses).

When applying Agway Methoxychlor 50W use sufficient spray or dust to thoroughly cover all foliage, fruit or all other surfaces to be protected.

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

DIRECTIONS FOR USE

READ THESE ENTIRE DIRECTIONS AND DISCLAIMER. USE STRICTLY IN ACCORDANCE WITH LABEL PRECAUTIONARY STATEMENTS AND DIRECTIONS FOR USE.

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

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 preferably 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: 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.

REENTRY

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.

Do not enter or allow entry into treated areas until sprays have dried to perform hand labor tasks. A person may enter the area to perform other tasks only if the person is wearing the personal protective equipment listed on the label for a pesticide handler.

Do not apply this product in a way that will contact unprotected workers, either directly or through drift. Only protected handlers wearing long pants, long sleeved shirts, socks, shoes and chemical resistant gloves may be in the area during application.

Certain states may require more restrictive reentry intervals for various crops treated with this product. Consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. Oral warnings must be given if there is a reason to believe that written warnings cannot be understood by workers.

AGRICULTURAL PREMISES:

FARM BUILDINGS: For controlling stable flies, houseflies and fleas, use 1 lb. in 2 1/2 gallons of water. Apply 1 gallon of spray mixture to approximately 500 sq. ft. of surface - treating walls, floors, cracks, crevices, baseboards, pet bedding, stalls and pens. Such heavy deposits usually are effective for 3 to 6 weeks, unless removed by weathering or other means. Care should be taken to avoid contamination of milk handling equipment, feedstuffs, feed troughs and watering receptacles. Dairy animals should not be present while spraying. The use of any residual fly spray should be supplemented with proper sanitary measures, including spraying or removal of breeding sources such as manure in and around buildings. Do not apply in poultry houses.

✓ **GRAIN STORAGE BINS:** To clean up infestations in empty storage bins, use 1 lb. Methoxychlor 50W in 2 1/2 gallons of water applied at the rate of 1 gallon of spray per 500 sq. ft. before products are stored. This aids in control of cadelle, flat grain beetle, saw-toothed grain beetle, lesser grain borer, red flour beetle, long-headed flour beetle, rice weevil, granary weevil, confused flour beetle, foreign grain beetle, fairy fungus beetle and grain moth. Allow bins to air and dry before refilling with grain, 2 to 4 weeks.

Elevator tunnels, Gallery Floors, Head Houses - to control cadelles, confused flour beetle, flat-headed grain beetle, foreign grain beetle, granary weevil, hairy fungus beetle, lesser grainborer, long-headed flour beetle, red-flour beetle, rice weevil, sawtoothed grain beetle and grain moth, mix 1 lb. 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).

AGRICULTURAL CROPS

VEGETABLES: For control of the insects listed below use 3 lbs. of Agway Methoxychlor 50W per 100 gallons of water and apply as a thorough spray to upper and lower surfaces of foliage and fruit at the rate of 100 gallons per acre. Begin treatment at first sign of insect infestation and repeat at 7-10 day 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

<u>CROP</u>	<u>INSECTS</u>	<u>INTERVAL FROM LAST APPLICATION TO HARVEST</u>
— Cantaloupe	Melon worm	1 Day
— Cucumber	Cucumber beetle	1 Day
— Eggplant	Flea beetle, leafhopper	1 Day
— Kohlrabi	Flea beetle	1 Day
— Pepper	Flea beetle, Rose chafer	1 Day
— Pumpkin	Cucumber beetle, Squash vine borer	1 Day
— Squash	Cucumber beetle, Squash vine borer	1 Day
— Tomato	Blister beetle, Fall armyworm, Flea beetle, Japanese beetle, Tomato fruitworm	1 Day
— Asparagus	Asparagus beetle	If applied later than three days before harvest, remove residues by washing or blanching
— Beans	Bean leaf beetle, Corn earworm, Fall armyworm, Japanese beetle, Leaf- hopper, Rose chafer, Mexican bean beetle	3 Days Do not use vines for feed or forage.
— Black-eyed Peas	Cowpea curculio	
— Cabbage	Cabbage worm, Flea beetle	3 Days
— Cauliflower	Cabbage worm, Flea beetle	7 Days
— Corn	Fall armyworm, Flea beetle, Japanese beetle Rose chafer	7 Days
— Melons	Do not feed corn to livestock. Cucumber beetle, Melon worm	7 Days

<u>CROP</u>	<u>INSECTS</u>	<u>INTERVAL FROM LAST APPLICATION TO HARVEST</u>
Peas	Pea weevil Do not graze or feed treated pea vines or pea hay to livestock.	7 Days
Radish & Rutabaga	Flea beetle	7 Days
Beets	Blister beetle, Flea beetle	14 Days
Broccoli	Cabbage worm, Flea beetle	14 Days
Brussels Sprouts	Cabbage worm, Flea beetle	14 Days
Carrot	Leafhopper	14 Days
Collards & Kale	Flea beetle	14 Days
Lettuce	Leafhopper	14 Days
Spinach & Turnip	Flea beetle	14 Days

Tree Fruits: For control of the following insects, apply 2-3 lbs. of Agway Methoxychlor 50W per 100 gallons of water as a thorough cover spray when adults first appear. Repeat at 7-10 day intervals as long as adults are present. Do not apply more than 24 lbs. of Agway Methoxychlor 50W per acre.

<u>CROP</u>	<u>INSECTS</u>	<u>INTERVAL FROM LAST APPLICATION TO HARVEST</u>
Apple	Apple maggots, San Jose Scale (crawlers)	7 Days
Cherry	Cherry fruit flies, Cherry fruitworm	7 Days

Apply the above rate of Agway Methoxychlor 50W initially at petal fall for control of the following insects. Make 2 or more additional applications at 7-10 day intervals if infestation warrants.

<u>CROP</u>	<u>INSECTS</u>	<u>INTERVAL FROM LAST APPLICATION TO HARVEST</u>
Apple	Codling moth, Japanese beetle, Leafhopper, Plum curculio, San Jose Scale (crawlers)	7 Days
Cherry	Plum curculio	7 Days
Pear	Codling moth, Pear slugs	7 Days
Plum & Prune	Plum curculio	7 Days
Quince	Codling moth, San Jose Scale (crawlers), Oriental fruit moth caterpillars, Quince curculio	7 Days
Apricot, Nectarine, Peaches	Plum curculio	21 Days

Small Fruit: For control of the following insects apply 2-3 lbs. of Agway Methoxychlor 50W per acre in 100 gallons of water as a thorough cover spray when insects first appear. Repeat applications at 7-10 day intervals as infestations warrant.

<u>CROP</u>	<u>INSECTS</u>	<u>INTERVAL FROM LAST APPLICATION TO HARVEST</u>
Blackberry	Flea beetle, Japanese beetle, Rose chafer, Strawberry weevil	14 Days
Loganberry & Raspberry	Japanese beetle, Rose chafer	14 Days
Strawberry	Flea beetle, Spittlebug, Strawberry leaf beetle, Strawberry weevil	14 Days
Blueberries	Cherry fruitworm, Cranberry fruitworm, Plum curculio, Leafhopper	14 Days
Cranberries	Cranberry fruitworm	14 Days
Currant & Gooseberry	San Jose Scale (crawlers)	14 Days

<u>CROP</u>	<u>INSECTS</u>	<u>INTERVAL FROM LAST APPLICATION TO HARVEST</u>
Grapes	Flea beetle, Grape leaf skeletonizer, Japanese beetle, Leafhopper, Rose chafer. (For Grape berry moth apply as a post-blossom cover spray and repeat 10 days later, make 3rd & 4th applications at 10 day intervals, if necessary.	14 Days

MOSQUITO CONTROL: For use as a pre-hatch winter dust treatment for control of "spring brood" mosquito larvae in New England States, make a single application of 2 lbs. per acre of Agway Methoxychlor 50W during the winter months. Apply only to known mosquito breeding sites. Agway Methoxychlor 50W should be mixed in sufficient water for spray application.

Do not apply to water used for irrigation, recreational and domestic purposes.

MOSQUITO CONTROL (LARVAE): Parks, Beaches, Public Areas and standing water, temporary rain pools and similar non-crop areas. For mosquito larvae control mix 2 lbs. Methoxychlor 50W Insecticide in 100 gallons of water and apply 10 gallons of the finished spray per acre (equivalent to 0.2 lbs. active ingredient) of surface to be treated. Apply only to known mosquito breeding sites, reapply as infestation warrants. Pre-hatch - Make a single application during the winter months by mixing Methoxychlor 50W in sufficient water to apply 1/2# ai/acre.

SEED TREATMENT: Insects Controlled - white grubs, wire worms and seed corn maggot. barley, beans, cowpeas, oats, peanuts, rice, rye, sorghum, soybeans, velvet beans, wheat. For use only on seed to be planted. Do not use treated seed for food, feed or oil purposes. Seed treatment for protection from soil insect larvae (flea beetle, wire worm, false wire worm, seed corn maggot, seed corn beetle) - apply 4 ounces Methoxychlor 50W Insecticide per bushel, mix thoroughly with grain before dumping into planter box.

The purchaser of this product is responsible for insuring that all seed treated with this product are adequately dyed with a suitable color to prevent its accidental use as food for man or feed for animals. Refer to 21 CFR Part 2.25. Any dye added to treated seed must be cleared for use under 40 CFR Part 180.1001.

FLOWERS & ORNAMENTALS

For the control of blister beetles, cankerworms, cucumber beetles, flea beetles, fleahoppers, flower thrips, Japanese beetles, leafhoppers, plant bugs (including spittlebugs), Rose chafer, Rose slugs (sawflies): Use 20 to 30 lbs. per 100 gallons of water (2 tablespoons per gal.). Spray thoroughly to runoff. Begin applications when insects first appear and repeat at 7 to 10 day intervals or as needed.

FOREST & SHADE TREES AND SHRUBS: For control of the following insects use a 6% Methoxychlor solution with a mist blower at rates recommended in the following table. Mix 57 lbs. Methoxychlor 50W Insecticide per 50 gallons of water for mist blower solution, or 1 to 2 lbs. of Methoxychlor 50W Insecticide 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	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 months 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% Methoxychlor Spray: Use 114 lbs. Methoxychlor 50W per 50 gallons of water;
- 6% Methoxychlor Spray: Use 57 lbs. Methoxychlor 50W per 50 gallons of water;
- 2% Methoxychlor Spray: Use 19 lbs. Methoxychlor 50W per 50 gallons of water;
- 1% Methoxychlor Spray: Use 9 1/2 lbs. Methoxychlor 50W per 50 gallons of water.

LIVESTOCK

Direct Dusting

Dairy Cattle - Lactating animals - For control of hornflies: Use one tablespoonful (not to exceed 1/3 ounce) of Agway Methoxychlor 50W per animal. Sprinkle on poll, neck (top and sides), and back and upper sides; rub in lightly to move powder beneath the hair. Allow three weeks between applications.

Young Dairy Cattle over 1 month of age and non-lactating Mature Dairy Cattle - Dilute 1 part of Agway Methoxychlor 50W with 3 parts talc and shake to mix completely. Make a thorough application to the poll, neck, back and upper sides of the animal and work dust into the hair. Do not apply during lactation or within three weeks of freshening.

Beef Cattle, Goats and Sheep - For control of hornflies, lice and fleas. Make a thorough application to the animal. Work dust into hair or wool. Treatments are usually effective for about three weeks. Do not apply to lactating goats. Application on sheep following shearing gives temporary relief from sheep ticks (keds).

Swine - For control of hog lice dilute 1 part Agway Methoxychlor 50W with 3 parts talc, mix thoroughly and make a liberal application to animals and pens.

Direct Spray or Dips

Beef Cattle, non-lactating Dairy Cattle, Goats, Sheep and Swine - For control of Cattle lice, Hog lice and Sheep ticks, use 2 lbs. of Agway Methoxychlor 50W in 25 gallons of water. Thoroughly wet the animals. For Beef and Dairy cattle use 2 qts. of mix per head on large animals and proportionately less on smaller ones. Do not apply during lactation or within 2 weeks of freshening and do not dip calves under one month of age. Do not apply to lactating goats.

Spot Treatment for Control of Tail Lice - Mix 4 to 6 lbs. Methoxychlor 50W Insecticide 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. Do not dip calves under one month of age.

FIELD AND FORAGE CROPS

Alfalfa, corn, clover, grass, soybeans, cowpeas and peanut forage - Apply the following rates of Methoxychlor 50W Insecticide in 15 to 30 gallons of water per acre. Apply every 10 to 14 days, or as needed. Do not apply during crop blooming. No application later than 7 days before harvesting or grazing.

Leafhopper, spittlebug	1 to 2 lbs. per acre
Alfalfa caterpillar, flea beetle	1 1/2 to 2 lbs. per acre
Alfalfa weevil (larvae), alfalfa webworm, fall armyworm, clover leaf weevil, lygus bug, Mexican bean beetle, pea weevil, soybean caterpillar, velvet bean caterpillar, (for alfalfa weevil larvae control apply when 30-50% of the leaf tips show damage.)	2 to 3 lbs. per acre
Cowpea curculio, Japanese beetle	3 lbs. per acre
Armyworm	3 to 4 lbs. per acre

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.