

PM 19

19713-32

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JUN 04 1996

Barbara Brown
Drexel Chemical Company
P.O. Box 13327
1700 Channel Avenue
Memphis, TN 38113-0327

Dear Ms. Brown:

Subject: Deleted uses
Methoxychlor 50 W.P.
EPA Registration No. 19713-32
Amendment application of October 18, 1995

The amendment referred to above, submitted in connection with registration under FIFRA, is acceptable provided that you:

Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 Enclosure for a further description of final printed labeling

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 bearing the amended labeling constitutes acceptance of these conditions.

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

Sincerely yours

DHE

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

Enclosure

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METHOXYCHLOR 50 W.P.

Insecticide

~~Wettable Powder~~

For 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*50.0%
INERT INGREDIENTS:.....50.0%
TOTAL:.....100.0%

*Equivalent to 44% 1,1,1-trichloro-2, 2-bis(p-methoxyphenyl) ethane, 6% other isomers and related compounds.

**KEEP OUT OF THE REACH OF CHILDREN
CAUTION**

STATEMENT OF PRACTICAL TREATMENT

If Swallowed: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching the back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

If On Skin: Wash with plenty of soap and water. Get medical attention if irritation persists.

If Inhaled: Remove victim to fresh air.

If In Eyes: Flush with plenty of water. Call a physician if irritation persists.

Net Weight: 50 pounds

EPA Reg. No. 19713-32

EPA Est. No. 19713-GA-1

WPS SUBMISSION 4/15/94

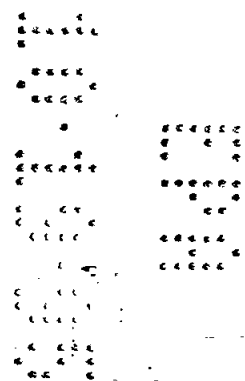
Revised: 10/6/95 - Deletion of Uses - Agency Letter

ACCEPTED
with COMMENTS
in EPA Letter Dated

JUN 04 1996

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

19713-32



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

CAUTION: May be harmful if swallowed. Avoid contact with skin. Avoid breathing dust or spray mist. Avoid contamination of feed, seed or foodstuffs.

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear:

Long-sleeved shirt and long pants

Chemical-resistant gloves such as Barrier Laminate or Viton

Shoes plus socks

For exposure in enclosed areas: a respirator with either an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-14G). For exposures outdoors: Dust/mist filtering respirator (MSHA/NIOSH approved prefix TC-21C).

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.

When handlers use closed systems, enclosed cabs, or aircraft 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 handler 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. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic invertebrates. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. 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. Aerial application over such sites is permissible only when they are not visible from above the tree canopy. Do not contaminate water when disposing of equipment washwaters. Cover or collect treated seeds spilled on soil surface.

GENERAL INFORMATION

METHOXYCHLOR 50 W.P. 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 diluents (talc pyrophyllite) to make a finished dusting compound to use on livestock (see label for specific uses).
When applying METHOXYCHLOR 50 W.P. Insecticide use sufficient spray or dust to thoroughly cover all foliage, fruit and surfaces to be protected

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 through any type of irrigation system.
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	•••••
Chemical-resistant gloves such as Barrier Laminate or Viton	•••••
Shoes plus socks	•••••

AGRICULTURAL CROPS

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

CROP	INSECTS	PHI
Apples	Apple maggots	7 Days
Cherries	Cherry fruit flies Cherry fruitworm	

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

CROP	INSECTS	PHI
Apples	Codling moth, Japanese beetle, plum curculio, San Jose scale (crawlers)	7 Days
Cherries	Plum curculio	
Pears	Codling moth, pear slug	
Plums & Prunes	Plum curculio	
Quince	Codling moth, San Jose scale (crawlers), Oriental fruit moth caterpillars, Quince curculio	
Apricots	Plum curculio	21 Days
Nectarines		
Peaches		

SMALL FRUITS

For control of the following insects apply 2 to 3 lbs. of METHOXYCHLOR 50 W.P. Insecticide per acre in 100 gallons of water as a thorough cover spray when adults first appear. Repeat at 7 to 10 day intervals as long as the infestation warrants.

CROP	INSECTS	PHI (DAYS)	
Blackberries	Flea beetle, Japanese beetle, rose chafer, - strawberry weevil	14	
Blueberries	Cherry fruitworm, Cranberry fruitworm, Plum curculio, leafhopper		
Cranberries	Cranberry fruitworm, leafhopper, spittlebug		
Currants & Gooseberries	San Jose scale (crawlers)		
Grapes	Flea beetle, grape leaf skeletonizer, Japanese beetle, leafhopper, rose chafer, Grape berry moth		Apply as a post-bloom cover spray and repeat 10 days later, make 3rd and 4th applications at 10-day intervals, if necessary
Loganberries and Raspberries	Japanese beetle, rose chafer		
Strawberries	Flea beetle, spittlebug, strawberry leaf beetle, strawberry weevil		

VEGETABLES

For control of the following insects apply 3 lbs. of METHOXYCHLOR 50 W.P. Insecticide per acre in 100 gallons of water as a thorough cover spray to upper and lower foliage surfaces and fruit. Begin treatment at first sign of insect infestation and repeat at 7 to 10 day intervals as infestation warrants. For small garden areas use 3 tablespoons per gallon of water.

CROP	INSECTS	PHI (DAYS)	
Potatoes	Blister beetle, Colorado potato beetle, flea beetle, leaf hopper	0	
Cantaloupe	Melon worm	1	
Cucumber	Cucumber beetle	1	
Eggplant	Flea beetle, leafhopper		
Kohlrabi	Flea beetle		
Pepper	Cucumber beetle, flea beetle, rose chafer		
Pumpkin	Cucumber beetle, squash vineborer		
Squash	Cucumber beetle, squash vineborer		
Tomato	Blister beetle, fall armyworm, flea beetle, tomato hornworm, tomato fruitworm		
Asparagus	Asparagus beetle	3	
Beans	Bean leaf beetle, fall armyworm, Japanese beetle, leafhopper, rose chafer, Mexican bean beetle	3	Do not use vines for feed or foliage
Blak-eyed peas	Cowpea curculio		
Cabbage	Imported cabbage worm, cross-striped cabbage worm, flea beetles	3	
Cauliflower	Imported cabbage worm, cross-striped cabbage worm, flea beetle	7	

CROP	INSECTS	PHI (DAYS)	
Corn	Fall army worm, flea beetle		Do not feed treated corn to livestock.
Melons	Cucumber beetle, melon worm		
Peas	Pea weevil		Do not graze or feed treated pea vines or pea hay to livestock
Radish & Rutabaga	Flea beetle		
Beets	Blister beetle, flea beetle	14	
Broccoli	Imported cabbage worm, cross-striped cabbage worm, flea beetle		
Brussels Sprouts	Imported cabbage worm, cross-striped cabbage worm, flea beetle		
Collards & Kale	Flea beetle		
Lettuce	Leafhopper		
Spinach & Turnip	Flea beetle		

FIELD AND FORAGE CROPS

Alfalfa, corn, clover grass, soybeans, cowpeas and peanut forage. Apply the following rates of METHOXYCHLOR 50 W.P. 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. 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.
 Leafhopper, spittlebug - 1 to 2 lbs. per acre
 Alfalfa caterpillar, flea beetle - 1 to 2 lbs. per acre

LIVESTOCK (Beef, Dairy Cattle, Goats, Sheep and Swine)

Insects Controlled - hornflies, lice, keds and fleas

Beef Cattle - Mix 2 lbs. METHOXYCHLOR 50 W.P. Insecticide in 25 gallons of water. As a spray use a maximum of 2 quarts per head for larger animals and proportionally less for smaller ones, thoroughly wetting animals. May also be used as a dip. Direct dusting of METHOXYCHLOR 50 W.P. Insecticide, applying 1 to 2 ounces to each animal, working dust into hair on poll, neck, back and upper sides. Wait 3 weeks and reapply if necessary.

Spot Treatment for Control of Tail Lice - Mix 4 to 6 lbs. METHOXYCHLOR 50 W.P. 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. Wait 3 weeks and reapply, if necessary.

Dairy Cattle (Lactating) - Apply 1 tablespoon on the back and neck of each animal. Rub powder into the hair with the hand. Repeat every three weeks if necessary. **(Non-Lactating)** - Mix 2 lbs. METHOXYCHLOR 50 W.P. Insecticide in 25 gallons of water. As a spray use a maximum of 2 quarts per head for larger animals and proportionally less for smaller ones, thoroughly wet animals. May also be used as a dip. Do not apply during lactation or within 2 weeks of freshening. Do not dip calves under one month of age. Wait 3 weeks and reapply, if necessary.

Goats, Sheep, Swine - Mix 2 lbs. METHOXYCHLOR 50 W.P. Insecticide in 25 gallons of water. May be used either as a spray or a dip. Thoroughly wet animals. Direct dusting of METHOXYCHLOR 50 W.P. Insecticide on goats and sheep. Work dust into wool. Do not apply to lactating goats. Use a maximum of 1 quart per head and proportionally less for smaller ones. Reapply in 3 weeks, if necessary.

AGRICULTURAL PREMISES: Insects Controlled - houseflies, and stableflies, (farm buildings), cadellies, confused flour beetle, flat-headed grain beetle, granary weevil, hairy fungus beetle, lesser grainborer, longheaded flour beetle, red flour beetle, rice weevil, sawtoothed grain beetle and grain moths (grain storage bins, elevator tunnels, gallery floors and head houses).

Farm Buildings (Barns, Milk Rooms, Pens and Stalls) - Mix 1 lb. METHOXYCHLOR 50 W.P. Insecticide in 2 gallons of water. Use as a residual spray applying 1 gallon mixture to 500 sq. ft. Repeat applications as required for effective control. Exclude dairy animals while treating barns. Do not contaminate milk, feed or drinking water.

SEED TREATMENT: Insects controlled - white grubs, wire worms and seed corn maggot, (Barley, beans, cowpeas, oats, peanuts, rice, rye, sorghum, soybeans, velvetbeans, 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 50 W.P. Insecticide per bushel mix thoroughly with grain before dumping into planter box.

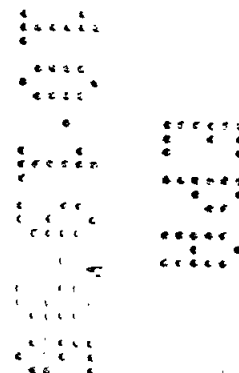
Grain Storage Bins - Mix 1 lb. METHOXYCHLOR 50 W.P. Insecticide in 2 gallons of water. Apply 1 gallon of mixture to 500 sq. ft. Apply as a residual spray to all exposed surfaces, paying attention to all cracks and crevices. Allow bins to air and dry before refilling with grain, 2 to 4 weeks.

Elevator Tunnels, Gallery Floors, Head Houses - Mix 1 lb. METHOXYCHLOR 50 W.P. Insecticide in 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 (larvae): Parks, Beaches, Public Areas and Non-Agricultural Lands - For mosquito larvae control mix 2 lbs. METHOXYCHLOR 50 W.P. 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 single application during the winter months at a rate of 25 to 50 gallons of finished spray per acre (equivalent to « to 1 lb. of active ingredient).

NOTE: This product is toxic to fish. Keep out of lakes, streams and ponds. Rates recommended on this label are toxic to shrimp and crab. Do not apply where these species are an important resource. Do not apply to water drainage areas where runoff or flooding will contaminate ponds.

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 57 lbs METHOXYCHLOR 50 W.P. Insecticide per 50 gallons of water for mist blower solution or 1 to 2 lbs. of METHOXYCHLOR 50 W.P. Insecticide per 100 gallons of water for conventional sprayer.



Pints 6% = Solution Per Tree
Tree Height

					Gallons 6% Solution
Insects	35-50	50-65	65-80	80-120	Per Acre
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	1½	2	3	2
Gypsy moth	5	1	2	2	2
Japanese beetle	2	4	4	4	3
Lace bug (Oaks & Sycamore)	1½	2	3	4	2
May beetle	1½	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 50 W.P. 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 to 3 months after 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 elm leaves are fully grown. Use a 6% spray solution of METHOXYCHLOR 50 W.P. 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 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 foliar surfaces with each protective spray.

Preparation of Spray Solutions - 12% methoxychlor spray - 114 lbs. METHOXYCHLOR 50 W.P. Insecticide per 50 gallons of water, 6% methoxychlor spray - 57 lbs. METHOXYCHLOR 50 W.P. Insecticide per 50 gallons of water, 2% methoxychlor spray - 19 lbs. METHOXYCHLOR 50 W.P. Insecticide per 50 gallons of water, 1% methoxychlor spray - 9½ lbs. METHOXYCHLOR 50 W.P. Insecticide per 50 gallons of water.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

STORAGE INSTRUCTIONS: Storage should be under lock and key and secure from access by unauthorized persons and children. Storage should be in a cool dry area away from heat or ignition source. Do not allow storage in a damp or humid area. Do not stack bags over 2 pallets high. Move bags carefully so as not to tear or puncture. Do not move from one area to another unless they are securely sealed to prevent dust from escaping. Keep container tightly sealed when not in use. Keep away from any puncture source. Avoid storage near water supplies, food, feed and fertilizer to avoid contamination. Avoid contamination with acids and alkalis. Store in original containers only. If the contents are leaking or material is spilled follow these steps:

1. Collect and place in suitable containers for disposal.
2. Wash area with water and soap to remove remaining pesticide.
3. Follow washing with clear water rinse.
4. Do not allow run off to enter sewer or contaminate water supplies.
5. Dispose of waste as indicated below:

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 sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

WARRANTY - CONDITION OF SALE:

OUR RECOMMENDATIONS FOR USE of this product are based upon tests believed reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended, and other influencing factors in the use of this product are beyond the control of the seller. Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith.

In no case shall Drexel or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product when such use and/or handling is not in strict accordance with directions given herewith. The foregoing is a condition of sale by Drexel Chemical Company and is accepted as such by the Buyer.