

ACCEPTED

OCT 5 1998

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under
EPA Reg. No. 19713-32

Pmoy 19713-32

10/5/98

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Drexel

Methoxychlor 50 WP

Insecticide

For control of various insects on livestock, vegetables, fruits, forest and shade trees, and agricultural premises.

ACTIVE INGREDIENT:

Methoxychlor: 1,1,1-trichloro-2, 2-bis
(p-methoxyphenyl) ethane* 50.0%

OTHER 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 REACH OF CHILDREN

CAUTION

See First Aid Below

EPA Reg. No. 19713-32

EPA Est. No. 19713-GA-1

Net Contents: _____

FIRST AID

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.

PRECAUTIONARY STATEMENTS

Hazards 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 (PPE)

Applicators and other handlers must wear: Long-sleeved shirt and long pants, chemical-resistant gloves such as barrier laminate or viton and shoes plus socks.

For exposure in enclosed areas: A respirator with 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 used 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: 1) Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. 2) Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. 3) 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 WP contains 50% methoxychlor per pound, may be used as a spray (water suspension) for plant and animal protection or may be diluted with suitable diluents (taic pyrophyllite) to make a finished dusting compound to use on livestock (see label for specific uses).

When applying this product, 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, 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), restricted entry interval (REI) and notification to workers. 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 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 and shoes plus socks.

AGRICULTURAL CROPS

Tree Fruits—For control of the following insects, apply 2 to 3 pounds of this product per 100 gallons of water as a thorough spray when adults first appear. Repeat at 7 to 10 day intervals as long as adults are present. Do not apply more than 24 pounds of this product per acre.

Crop	Insect	PHI (Days)
Apples	Apple maggots	7
Cherries	Cherry fruit flies, Cherry fruitworm	

Manufactured By:

Drexel Chemical Company

P.O. BOX 13327, MEMPHIS, TN 38113-0327

SINCE 1972

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Apply the rate (on previous page) of this product 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 (Days)
Apples	Codling moth, Japanese beetle, Plum curculio, San Jose scale (crawlers)	7
Apricots, Nectarines, Peaches	Plum curculio	21
Cherries	Plum curculio	7
Pears	Codling moth, Pear slug	
Plums, Prunes	Plum curculio	
Quince	Codling moth, Oriental fruit moth caterpillars, Quince curculio, San Jose scale (crawlers)	

SMALL FRUITS

For control of the following insects apply 2 to 3 pounds of this product 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, Leafhoppers	
Currants, Gooseberries	San Jose scale (crawlers)	
Grapes	Flea beetle, Grape leaf skeletonizer, Japanese beetle, Leafhoppers, Rose chafer, Grape berry moth SPECIFIC INSTRUCTIONS: Apply as a post-bloom cover spray and repeat 10 days later. Make 3rd and 4th applications at 10-day intervals, if necessary.	
Loganberries, Raspberries	Japanese beetle, Rose chafer	14
Strawberries	Flea beetle, Scutellbugs, Strawberry leaf beetle, Strawberry weevil	

VEGETABLES

For control of the following insects apply 3 pounds of this product 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)
Asparagus	Asparagus beetle SPECIFIC INSTRUCTIONS: If applied later, remove residues by washing or blanching spears.	3
Beans	Bean leaf beetle, Fall armyworm, Japanese beetle, Leafhoppers, Mexican bean beetle, Rose chafer SPECIFIC INSTRUCTIONS: Do not use vines for feed or foliage.	3
Beets	Blister beetle, Flea beetle	14
Black-eyed peas	Cowpea curculio	3
Broccoli	Imported cabbageworm, Cross-striped cabbageworm, Flea beetle	14
Brussels Sprouts		
Cabbage		3
Cantaloupe	Melonworm	1
Cauliflower	Imported cabbageworm, Cross-striped cabbageworm, Flea beetle	7
Collards, Kale	Flea beetle	14
Corn	Fall armyworm, Flea beetle SPECIFIC INSTRUCTIONS: Do not feed treated corn to livestock.	7

VEGETABLES (Continued)

Crop	Insects	PHI (Days)
Cucumber	Cucumber beetle	1
Eggplant	Flea beetle, Leafhoppers	
Kohlrabi	Flea beetle	
Lettuce	Leafhoppers	14
Melons	Cucumber beetle, Melonworm	7
Peas	Pea weevil SPECIFIC INSTRUCTIONS: Do not graze or feed treated pea vines or pea hay to livestock.	7
Peppers	Cucumber beetle, Flea beetle, Rose chafer	1
Potatoes	Blister beetle, Colorado potato beetle, Flea beetle, Leafhoppers	0
Pumpkin	Cucumber beetle, Squash vineborer	1
Radish, Rutabaga	Flea beetle	7
Spinach, Turnip	Flea beetle	14
Squash	Cucumber beetle, Squash vineborer	1
Tomato	Blister beetle, Fall armyworm, Flea beetle, Tomato hornworm, Tomato fruitworm	1

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

Insects controlled: Fleas, Hornflies, Keds and Lice.

Beef Cattle—Mix 2 pounds of this product 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. For direct dusting of this product, apply 1 to 2 ounces to each animal, working dust into hair on poll, neck, back and upper sides. Wait 3 weeks and re-apply if necessary.

Spot Treatment for Control of Tail Lice—Mix 4 to 6 pounds of this product 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 re-apply 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 pounds of this product 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 re-apply if necessary.

Goats, Sheep, Swine—Mix 2 pounds of this product in 25 gallons of water. May be used either as a spray or a dip. Thoroughly wet animals. Direct dusting of this product 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. Re-apply in 3 weeks if necessary.

AGRICULTURAL PREMISES

Insects Controlled: Cadelles, Confused flour beetle, Flat-headed grain beetle, Granary weevil, Hairy fungus beetle, Houseflies, 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), and Stableflies (farm buildings).

Seed Treatment—Insects controlled: White grubs, Wireworms 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 (False wireworm, Flea beetle, Seed corn beetle, Seed corn maggot, Wireworm)—Apply 4 ounces of this product per bushel. Mix thoroughly with grain before dumping into planter box.

MOSQUITO CONTROL (Larvae)—Beaches, parks, public areas and non-agricultural lands—For mosquito larvae control, mix 2 pounds of this product in 100 gallons of water and apply 10 gallons of the finished spray per acre (equivalent to 0.2 pounds active ingredient) of surface to be treated. Apply only to known mosquito breeding sites. Re-apply 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 approximately 1 pound 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 pounds of this product per 50 gallons of water for mist blower solution, or 1 to 2 pounds of this product per 100 gallons of water for conventional sprayer.

Insects	Pints of 6% Solution per Tree Tree Height				Gallons 6% Solution Per Acre
	35 to 50	50 to 65	65 to 80	80 to 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	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 this product 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 this product 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 con-

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trol. Apply protective spray before elm flowers or leaves sprout, then follow with second protective spray 2 to 3 months after the first. 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 pounds of this product per 50 gallons of water, 6% methoxychlor spray—57 pounds of this product per 50 gallons of water, 2% methoxychlor spray—19 pounds of this product per 50 gallons of water, 1% methoxychlor spray—approximately 9 pounds of this product per 50 gallons of water.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and 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 soap and water to remove remaining pesticide.
3. Follow washing with clear water rinse.
4. Do not allow runoff 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 the Manufacturer 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 the Seller and is accepted as such by the Buyer.

