

**METHOXYCHLOR**

**EMULSION CONCENTRATE**

2217-131

Contains 2 Pounds Methoxychlor Per Gallon

For Control of Certain Insect Pests of  
Livestock, Crops and Stored Grain

10/5/89

10/7

PM 12

**ACTIVE INGREDIENTS:**

Methoxychlor: 1,1,1-trichloro-2,2-bis(p-methoxyphenyl)

ethane . . . . . 24%

**INERT INGREDIENTS.** . . . . 76%

**TOTAL** 100%

This product contains:

2.0 lbs. 1,1,1-trichloro-2,2-bis(p-methoxyphenyl)ethane per  
gallon.

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

See Side Panels for Additional Precautionary Statements  
and Statement of Practical Treatment.

**NET CONTENTS ONE GALLON**

897/1089 AP

Not Reviewed. Registrant claims to be in accordance with  
Reregistration of Pesticide Product Guidance for Phase 2  
Response, Page 2.12, Active to Inert Change in Status.

EPA REG. NO. 2217-131

EPA EST. NO. 2217-KS-x

Mfd by PBI/GORDON CORPORATION  
Kansas City, Kansas 66118

00-92-07

00-00-00

STOP! READ THE ENTIRE LABEL FIRST.  
OBSERVE ALL PRECAUTIONS AND  
FOLLOW DIRECTIONS CAREFULLY.

#### PRECAUTIONARY STATEMENTS

##### Hazards to Humans & Domestic Animals

CAUTION: Harmful if swallowed. Avoid contact with skin. Avoid breathing spray mist. In case of skin contact, wash with soap and water. Avoid contamination of feed and foodstuffs.

##### Statement of Practical Treatment

IF SWALLOWED: Drink one or two glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person. Get medical attention immediately.

IF INHALED: Remove victim to fresh air and apply respiration as indicated.

IF ON SKIN: Wash promptly with soap and water. Rinse thoroughly.

IF IN EYES: Flush with plenty of water and get medical attention immediately.

##### Environmental Hazards

This pesticide is toxic to fish and aquatic invertebrates. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters.

##### Physical or Chemical Hazard

Do not use or store near heat or open flame.

#### DIRECTIONS FOR USE

#### GENERAL CLASSIFICATION

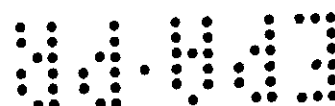
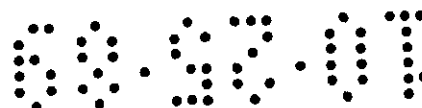
It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

#### STORAGE & DISPOSAL

STORAGE: Store in original container in a locked storage area inaccessible to children or pets.

PESTICIDE DISPOSAL: Do not contaminate water, food or feed by storage or disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: 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.



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

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. 3-07

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.

#### GENERAL INFORMATION

Methoxychlor Emulsion Concentrate is an emulsifiable liquid containing 2 pounds technical methoxychlor per gallon and is to be used as a spray with water for the control of certain insects. Do not use this product with any spray materials which are incompatible with oil. Do not apply within 14 days of application of sulfur or sulfur-containing products.

Users should observe the usual precautions concerning application of oil-containing products to plants during high temperatures, since many plants are then more susceptible to oil injury.

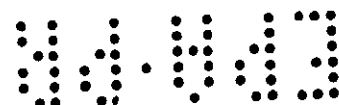
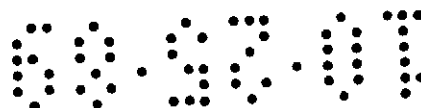
#### BEEF CATTLE, SHEEP, SWINE, NON-LACTATING DAIRY CATTLE, NON-LACTATING GOATS

**FOR CONTROL OF HORNFLIES, LICE, TICKS, KEDS AND FLEAS:** Use a maximum rate of 1 qt. in 12  $\frac{1}{2}$  gallons of water and apply as a drenching spray. Use 2 qts. of finished spray per head of large animals and proportionally less for smaller animals. Do not treat animals less than 30 days of age. Repeat applications at a minimum of 21 day intervals. Do not apply to lactating dairy cows or lactating goats.

**SELF APPLICATOR FLY CONTROL ON CATTLE - (EXCEPT DAIRY ANIMALS):** For control of Hornflies dilute 1 gallon with 4 gallons of diesel fuel or furnace-type oil. Do not use any other type of oil. Use 1 gallon of solution to saturate 15 to 20 feet of burlap "backrubber". The burlap should be re-treated over 21-35 day intervals using 2 qts of finished spray per 15-20 feet of cable. Regular exposure of animals for about 10 weeks is needed for optimum control.

#### BUILDINGS & STORAGE AREAS

**Contact and Space Spray for Flies and Mosquitoes:** To reduce populations of houseflies, stable flies and mosquitoes in farm buildings, in barnyards, in alleys, on dumps and other outdoor locations dilute 1 pt. with 2  $\frac{1}{2}$  gallons of water and apply in space by mist blower or directly to flies by hydraulic sprayer, hand sprayer or cylindrical pressure sprayer. 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.



GRAIN STORAGE BINS, ELEVATOR TUNNELS (GALLERY FLOOR, HEADHOUSE),  
PEANUT WAREHOUSES, FREIGHT CARS, GRAIN TRUCKS, SHIPS' HOLDS

Aids in control of cadelle, flat-headed 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 and hairy fungus beetles. Use 1 gallon in 10 gallons water and apply 2 gallons spray per 1,000 sqft. Treat when empty. Do not add grain to bin for at least 24 hours or until walls have dried. 4/17

MOSQUITO BREEDING AREAS

Apply in undiluted or diluted form by ground sprayer or aircraft to known mosquito breeding sites.

Prehatch Larvacide Make a single application during the winter months at 1 to 2 quarts per acre.

Larvacide Apply as needed during the spring and summer at 3/4 to 2 pt. per acre.

Apply around the perimeter of lakes, streams, ponds, swamps, marshes, estuaries and other areas of standing water (intermittently flooded areas, stagnant water, temporary rain pools, sloughs and ponds) where mosquito larvae are to be controlled.

FORESTS AND SHADE TREES

For control of the following insects use a 6% (1 gallon per 3 gallon water) methoxychlor solution with a mist blower at rates recommended in the following table.

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

<u>INSECTS</u>	<u>PINTS 6% SOLUTION PER TREE</u>				<u>GAL. 6% SOLUTION PER ACRE</u>
	<u>35-50'</u>	<u>50-65'</u>	<u>65-80'</u>	<u>80-120'</u>	
Canker worm	2	2	3	4	2
Eastern Tent Caterpillar	2	2	3	4	2
Elm Leaf Beetle	2	4	6	8	
Fall Webworm	0.5	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 E.C. 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 ½ to 3 months after the first treatment. Reduce the active ingredient to 6% for mist blowers, and 1% for conventional sprayer. Cover all leaf and bark surfaces. 5 6 7

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 E.C. 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 ½ 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.

**AGRICULTURAL CROPS**

Apply at recommended rates as a spray with ground or aerial equipment to thoroughly cover foliage and fruit. Mix in water, using the appropriate volume of water for equipment to be used (for example, 2 to 20 gallons per acre for aircraft or ground concentrate sprayers and greater amounts for high volume sprayers).

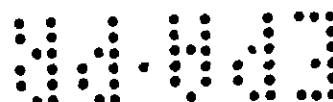
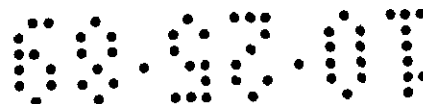
Begin application at first sign of infestation (for fruits, begin at petal fall) and repeat at 7 to 14 day intervals or as needed. Do not apply to crops within the number of days specified before harvest or grazing as shown by PHI (preharvest interval).

FORAGE AND FIELD CROPS

Alfalfa, Clover, Cowpea, Forage Grasses - Leafhopper, Spittlebug: 1 to 2 qts. per acre. Alfalfa Caterpillar, Flea Beetles: 1 ½ to 2 qts per acre.

\*Alfalfa Weevil (larvae), Webworms, Fall Armyworm, Clover Leaf Weevil, Mexican Bean Beetle, Blister Beetles, Cucumber Beetles, 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. PHI: 7 days.



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

\*For pea aphid and as an alternate program for control of alfalfa weevil add malathion (emulsifiable liquid) at the rate of 1 to 1  $\frac{1}{2}$  pounds active per acre.

Peanut, Soybean

Velvet Bean Caterpillar, Mexican Bean Beetle, Japanese Beetle, Blister Beetles, Garden Webworm, Alfalfa Webworm, Cowpea Curculio, Leafhoppers, Fall Armyworm: 2 to 6 qts per acre. PHI: 7 days.

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

FRUITS

Apple, Pear, Quince - Apple Maggot, Codling Moth, Japanese Beetle, Plum Curculio, Tent Caterpillar: 7  $\frac{1}{2}$  to 15 qts. per acre, or 2 to 3 qts. per 100 gallons water at 350 to 500 gallons per acre. PHI: 7 days.

Apricot, Cherry, Nectarine, Peach, Plum, Prune - Cherry Fruitworm, Cherry Fruitflies, Japanese Beetle, Plum Curculio, Rose Chafer, Tent Caterpillar, Cankerworms: 7  $\frac{1}{2}$  to 15 qts. per acre, or 2 to 3 qts. per 100 gallons water at 350 to 500 gallons per acre. PHI: 7 days for cherries, plums, prunes; 21 days for apricots, nectarines, peaches.

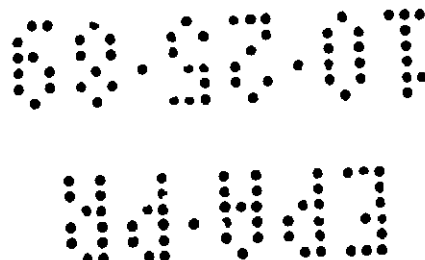
Blueberry, Cranberry, Currant, Gooseberry - Japanese Beetle, Cranberry Fruitworm, Leafhoppers, San Jose Scale (crawlers): 2 to 6 qts. per acre, or 2 to 3 qts. per 100 gallons water at 100 to 200 gallons per acre. PHI: 14 days.

Blackberry, Loganberry, Raspberry, Boysenberry, Dewberry, Youngberry, Strawberry - Rose Chafer, Strawberry Weevil, Flea Beetles, Omnivorous Leaf Tier, Spittlebugs, Japanese Beetle: 2 to 3 qts. per acre, or 2 to 3 qts. per 100 gallons water at 100 to 200 gallons per acre. PHI: 14 days.

Grape - Berry Moth, Grape Leafhopper, Japanese Beetle, Leaf Skeletonizer, Rose Chafer: 2 to 6 qts. per acre or 2 to 3 qts. per 100 gallons of water at 100 to 200 gallons per acre. PHI: 14 days.

VEGETABLES: - Asparagus Beetles: 2 to 4  $\frac{1}{2}$  qts. per acre. PHI: 7 days. If applied within 3 days of harvest, remove residues by washing or blanching.

Beans, Black-eyed Peas - Corn Earworm, Cucumber Beetles, Fall Armyworm, Webworm, Flea Beetles, Mexican Bean Beetle, Potato Leafhopper, Bean Leaf Beetle, Japanese Beetle: 2 to 6 qts. per acre. PHI: 7 days. Apply within 3 days of harvest if vines are not used for feed or forage.



Brussels Sprouts, Beets, Broccoli, Cabbage, Carrot, Cauliflower, Collard, Eggplant, Kale, Kohlrabi, Lettuce, Pepper, Radish, Rutabaga, Spinach, Turnip - Blister Beetles, Flea Beetles, Leafhoppers, Alfalfa Looper, Fall Armyworm, Japanese Beetle, Imported Cabbageworm: 2 to 4  $\frac{1}{2}$  qts. per acre. PHI: 14 days, except cauliflower and rutabaga, 7 days; cabbage, 3 days; eggplant, kohlrabi and pepper, 7 days (1 day at 3  $\frac{1}{2}$  qts. per acre or less). 7-57

Corn (Field and Sweet) - Fall Armyworm, Armyworm, Japanese Beetles, Flea Beetles: 2 to 4  $\frac{1}{2}$  qts per acre. PHI: 7 days. Do not feed treated corn to livestock.

Peas - Alfalfa Looper, Pea Weevil (to foliage early bloom before eggs are laid and again 5 days later), Bean Leaf Beetle: 2 to 6 qts. per acre. PHI: 7 days. Do not graze or feed treated pea vines or pea hay to livestock.

Potato (Irish) - Colorado Potato Beetle, Flea Beetles, Fall Armyworm, Leafhoppers, Blister Beetles: 2 to 4  $\frac{1}{2}$  qts. per acre. PHI: None

Sweet Potato, Yam - Fall Armyworm, Flea Beetles: 2 to 4  $\frac{1}{2}$  qts. per acre. PHI: None.

Tomato - Colorado Potato Beetle, Flea Beetles, Fall Armyworm, Leafhoppers, Blister Beetles: 2 to 6 qts. per acre. PHI: 1 day for rates of 3  $\frac{1}{2}$  qts. and below, otherwise 7 days.

LIMITED WARRANTY. Manufacturer warrants that the chemical composition conforms to the ingredient statement given on the label and that this product is suited for the labeled use when applied according to label directions. Because of widely varying use conditions, it is impossible to eliminate all risks even when label directions are followed.

EXCLUSIONS OF OTHER WARRANTIES AND REMEDIES: Except where such disclaimers and exclusions are specifically prohibited by applicable law. THE FOREGOING IS THE ONLY GUARANTEE OR WARRANTY APPLICABLE TO THIS PRODUCT AND IS GIVEN EXPRESSLY AND IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED, OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND ALL SUCH WARRANTIES WHICH EXCEED OR DIFFER FROM SAID LIMITED WARRANTY ARE DISCLAIMED BY MANUFACTURER, and, upon Manufacturer's compliance with said limited warranty. BUYER SHALL HAVE NO REMEDY AGAINST MANUFACTURER FOR ANY TYPE OF DAMAGE OR LOSS, and, IN NO EVENT SHALL MANUFACTURER BE LIABLE FOR CONSEQUENTIAL DAMAGE OR LOSS.