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55 U.S. GALLONS

APPLY THIS PRODUCT ONLY  
AS SPECIFIED ON LABEL

### GENERAL INFORMATION

Michlin "MX-32" is an emulsifiable insecticide containing 2.7 per cent actual methoxychlor per gallon, and is to be used as a spray with water (forming a stable emulsion) for the control of certain insects. It is suitable for high- or low-volume application.

### DIRECTIONS FOR USE

as a treatment for control of the carrier of Dutch elm disease

### FOR DORMANT SPRAY

#### IN HYDRAULIC SPRAYER:

Use 6 gallons Michlin "MX-32" diluted with any water to make 100 gallons of spray, 2% solution.

The average 50 ft. elm tree should take approximately 25 gallons for proper coverage.

#### IN MIST BLOWERS:

Use 37 gallons Michlin "MX-32" diluted with water to make 100 gallons of spray, 12% solution.

The average 50 ft. elm tree should require approximately 2½ gallons for proper coverage.

### FOR FOLIAR SPRAY

After leaves have bud or full grown

#### IN HYDRAULIC SPRAYER:

Use 6 gallons Michlin "MX-32" diluted with any water to make 200 gallons of spray, 1% solution.

#### IN MIST BLOWERS:

Use 37 gallons Michlin "MX-32" diluted with water to make 200 gallons of spray, 6% solution.

### WHEN TO APPLY

Apply Michlin "MX-32" as a dormant treatment in the spring before leaves appear, when temperature is above 40°F., and there is no danger of freezing before the spray dries. After leaf buds appear, dilute and apply as foliar spray. This product is compatible with superior type white oil.

### NOTICE TO BUYER

MANUFACTURER IS NOT RESPONSIBLE FOR  
ANY STATEMENT BEYOND WHAT IS  
PUBLISHED ON THIS LABEL.

**MICHLIN CHEMICAL CORP.**  
DETROIT, MICH. 48211

# MICHLIN "MX-32"

32% TECHNICAL

## METHOXYCHLOR

EMULSIFIABLE SOLUTION  
CONTAINING

ACTUAL METHOXYCHLOR PER GALLON

### ELM TREE SPRAY

## INSECTICIDE

FOR CONTROL OF INSECT PESTS OF LIVESTOCK,  
CROPS, STORED GRAIN, AND TREES

ACTIVE INGREDIENTS:	BY WEIGHT:
*Methoxychlor, Technical .....	32.4%
Xylene .....	64.6%
INERT INGREDIENTS: .....	3.0%
TOTAL	100.0%

\*Equivalent of 28.512% of 2,2-bis (p-methoxyphenyl) -1,1,1-trichloroethane and 3.888% other isomers and reaction products.

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

## WARNING!

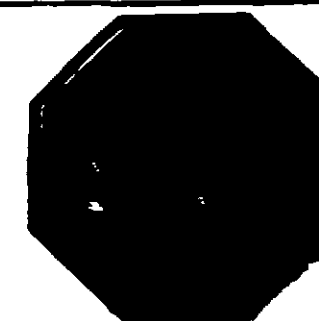
KEEP OUT OF REACH  
OF CHILDREN

1. **HARMFUL IF SWALLOWED.**
2. Inhalation and skin contact may cause toxic symptom. Avoid breathing spray mist. Avoid contact with the skin.
3. In case of spillage on skin, wash with soap and water.
4. Avoid contamination of feed and foodstuffs.
5. Do not spray house pets.
6. Do not feed treated plants to dairy animals or to animals being finished for slaughter.
7. Do not spray inside dairy barns (to prevent contamination of milk).
8. This product is toxic to fish.
9. **FLAMMABLE MIXTURE:** Keep away from heat or open flame. Do not spray into or near fire or open flame.
10. Store at temperature above 40°F. If exposed to prolonged cold, place in warm storage (50-80°F.) for several hours and agitate well before using.
11. This product is toxic to bees and should not be applied when bees are actively visiting the area.

### INSECTICIDE PRODUCTS DIVISION

MICHLIN "MX-32" METHOXYCHLOR INSECTICIDE FOR  
USE AS A MOSQUITO LARVICIDE LIMITED TO NORTH-  
EAST AND MIDWEST CONTINENTAL UNITED STATES

THESE RATES ARE ONLY FOR USE AS DILUTE SPRAYS IN WATER AND APPLICATION  
SHOULD NOT EXCEED SPECIFIED RECOMMENDATIONS.



Michlin "MX-32" Methoxychlor Insecticide is recommended for use as a larvicide (1) applied as a pre-larval water treatment for the control of "spring brood" mosquito larvae, and (2) applied as a surface treatment to water breeding sites when larvae are present during the spring and summer.

### HOW TO APPLY

Michlin "MX-32" (emulsifiable liquid) should be mixed with water for spray application and be applied in diluted form to mosquito source. For aircraft application, use appropriate rate in 2 to 10 gals. of water per acre. Apply only to known mosquito breeding sites.

**Prohatch**— Make a single application during the winter months at a rate of 1½ to 2 pints Michlin "MX-32" per acre (0.5 to 1 lb. actual methoxychlor per acre).

**Larvicide**— Make one or more applications to the source, as needed, for succeeding broods during the spring and summer. Apply at the rate of 1 to 1½ pints Michlin "MX-32" per acre (0.18 to 0.5 lb. actual methoxychlor).

**NOTE:** This product is toxic to fish. Keep out of lakes, streams or ponds. Shrimp and crab will be killed at application rate recommended on this label. Do not apply where these are important resources. Do not apply to water drainage areas where runoff or flooding will contaminate water by cleaning of equipment, or disposal of wastes.

### OTHER RECOMMENDATIONS AND DIRECTIONS

**FORAGE CROPS**—(Alfalfa, clover, grass, soybean, cowpea and peanut forage)—Apply at the following rate using low gallonage or conventional equipment. Start applications at first sign of infestation and repeat at 7- to 14-day intervals as needed. Do not apply later than 7 days before harvest or grazing. Rates are for ground application. Dilute in enough water for good coverage (about 25 gallons water per acre).

Leafhopper, spittlebug 1 to 1½ qts. per acre.

Alfalfa caterpillar, flea beetles 1 to 1½ qts. per acre.

\*Alfalfa weevil (larvae), alfalfa webworm, fall armyworm, clover leaf weevil, Mexican bean beetle, pea weevil, soybean caterpillar, velvet bean caterpillar 1½ to 2½ qts. per acre.

Cowpea curculio, Japanese beetle 2½ qts. per acre.

Armyworm 2½ to 3½ qts. per acre.

\*For pea aphid and as an alternate program for control of alfalfa weevil and spittlebug on alfalfa and clover, add malathion (emulsifiable liquid) at the rate of 1 to 1½ lbs. active per acre.

**POTATOES**—Use 48 oz. per acre for control of Colorado potato beetle, leafhoppers, and flea beetles. Re-treat as necessary.

**LIVESTOCK**—(except dairy animals)—For control of certain external parasites.

Use as a spray only. Do not use in dipping vats.

**Cattle**—Use 24 oz. Michlin "MX-32" to 12½ gals. of water. Apply 2 qts. of spray per mature animal for control of hornflies, for control of short-nosed and long-nosed cattle lice, apply as a drenching spray.

**Hogs**—For control of lice, use 24 oz. Michlin "MX-32" to 12½ gals. of water applied as a drenching spray.

**SELF APPLICATOR FLY CONTROL ON CATTLE**—(except dairy animals)—For control of houseflies, dilute 3 qts. Michlin "MX-32" with 4 gals. of Diesel fuel or kerosene type oil. Do not use any other type of oil. Use 1 gal. of solution to saturate burlap on "back rubber". Soak burlap every two to three weeks.

**GRAIN STORAGE BINS**—To clean up infestations in empty storage bins, use 3 qts. Michlin "MX-32" in 10 gals. of water applied at the rate of 2 gals. of spray per 1,000 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 and hairy fungus beetle. **NOTE**—Do not add grain to bin for at least 24 hours or until walls have dried out thoroughly.

**CONTACT AND SPACE SPRAY FOR FLIES**—To reduce populations of houseflies and stable flies in farm buildings, in barnyards, in alleys, on dumps and other outdoor locations, dilute 1 pt. Michlin "MX-32" with 3 gals. 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. Do not use in poultry houses.

**COMPATIBILITY**—Do not use this product with any spray materials which are incompatible with oil. Do not apply within 14 days of sulfur or sulfur product applications.

**CONTAINER DISPOSAL**—Do not reuse empty drum. Return to drum manufacturer or destroy by perforating or crushing and burying in a safe place.

USDA Reg. No. 5285 20

ACCEPTED WITH COMMENTS