

1/1 1685-58 211-16

State[®] MX-10 Insecticide

FORMULA 264

ACCEPTED

MAY 13 1981

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 1685-58

- Provides immediate insect control with special residual action.
- Emulsifiable Concentrate — dilute with either oil or water depending on usage.

DIRECTIONS FOR USE:

FOLIAR SPRAY: Ornamental—Use 1 & 1/4 gallon of MX-10 per 100 gallons of water for control of Aphids, leaf hoppers, thrips, spider mites, European pine shoot moth, tarnish plant bugs, Japanese beetle scale, whitefly and magnolia scale. Apply sufficient amount for good plant surface coverage. Repeat application at 7-10 day intervals as needed.

LAWNS: For the control of ground pearls in lawns—Apply MX-10 at the rate of 5 gallons in 100 gallons of water per acre. Make full coverage applications to soil surface when ground pearl nymphs are in the pink, "Crawler," or active stage and immediately wash into soil with additional water.

OUTDOORS: mosquitoes, flies and small flying insects. As a spray dilute 1 & 1/2 pints of MX-10 per gallon of water or oil. Apply 2-3 gallons of diluted solution per acre as mist or fog. Avoid applying oil-based formulations to valuable ornamental plants as injury may occur.

MOSQUITO CONTROL: Larvae in standing water—Apply 4-5 pints of MX-10 per acre. Dilute with sufficient water or oil before application.

POULTRY HOUSE SPRAY: For control of northern foul mite, chicken red mite, poultry lice and flies—Use 2 pints of MX-10 per 3 gallons of water. For control of ticks—Use 2 pints of MX-10 per gallon of water. Apply with high pressure sprayer on walls, ceilings, in cracks and crevices.

ROACH SPRAY: Use 2 pints of MX-10 per gallon of water. Apply by spray or brush to window sills, cracks, crevices, baseboards, drainboards, under sinks, around doors in bathrooms and to other areas where insects move or hide.

FLY CONTROL: For use in and around buildings, around yards and meat processing establishments. Dilute 2 & 1/2 pints of MX-10 in 3 gallons of water and spray at a rate of 1 gallon diluted solution per 1000 square feet on painted surfaces and 2 gallons diluted solution per 1000 square feet on unpainted surfaces.

DO NOT CONTAMINATE MILK, MILKING EQUIPMENT, FOOD OR DRINKING WATER.

APPLICATIONS WITHIN FOOD AREAS OF FOOD HANDLING ESTABLISHMENTS: Use 2 pints of MX-10 per gallon of water. Limited to crack and crevice treatment only—apply a small amount of diluted MX-10 (use pencil-thin stream) directly into cracks and crevices such as expansion joints between different elements of construction or between equipment bases and the floor, wall voids, motor housing, hollow equipment legs where roaches, ants, silverfish, sowbugs, spiders, clover mites, millipedes and crickets hide. Care should be taken to avoid depositing the product onto exposed surfaces or introducing the material into the air. Avoid contamination of food or food processing surfaces.

APPLICATIONS OF THIS PRODUCT IN THE FOOD AREAS OF FOOD HANDLING ESTABLISHMENTS, OTHER THAN AS A CRACK AND CREVICE TREATMENT, ARE NOT PERMITTED.

ACTIVE INGREDIENTS:

| | |
|---------------------------|---------|
| Malathion* | 10.00% |
| Xylene | 45.00% |
| Kerosene | 40.45% |
| | 95.45% |
| INERT INGREDIENTS: | 4.55% |
| | 100.00% |

*0,0—Dimethyl dithiophosphate of diethyl mercapto-succinate

CAUTION:
KEEP OUT OF THE REACH OF CHILDREN
FOR INDUSTRIAL USE ONLY

CAUTION: Harmful if swallowed. Avoid breathing of spray mist.

Avoid contact with skin, eyes and clothing. Wash thoroughly after handling.

In case of contact with skin, wash with soap and water. In case of contact with eyes, wash eyes with running water for 10 minutes and get immediate medical attention. Do not contaminate food or feed stuffs.

DO NOT USE, POUR, SPILL OR STORE NEAR HEAT OR OPEN FLAME.

CONTAINER DISPOSAL: Do not reuse this container. When empty, flush with water and dispose of, safely.

NOTE TO PHYSICIAN: Malathion may cause Cholinesterase inhibition—Atropine is antidote.

This product is toxic to fish, shrimp, crab. Keep out of any body of water. Do not apply when run-off is likely to occur. Do not apply when weather conditions favor drift from the area treated. Do not contaminate water by cleaning of equipment, or disposal of wastes. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where there are important resources. Apply this product only as specified on this label.

NOTICE: The State Chemical Manufacturing Company warrants only that the material contained herein conforms to the chemical description on the label and is reasonably fit for the use therein described when used in accordance with the directions for use.

The State Chemical Manufacturing Company makes no other express or implied warranty. Buyer assumes the risk of any use contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable by the State Chemical Manufacturing Company.

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ONLY FOR SALE TO, USE, AND STORAGE BY SERVICE PERSONS.

The **State**[®] CHEMICAL MANUFACTURING CO.
MAIN OFFICE AND PLANT: CLEVELAND, OHIO 44114
DISTRIBUTION CENTERS/SALES OFFICES: NATIONWIDE

EPA Est. 1685-OH-1
EPA Reg. No. 1685-58-AA

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS**

HARMFUL BY SWALLOWING, INHALATION OR SKIN CONTACT
 Avoid Breathing Spray Mist — Avoid Contact With Skin
 Wash Thoroughly After Handling — Change Contaminated Clothing
 Do Not Contaminate Food or Feed Products

ENVIRONMENTAL HAZARDS

This product is highly toxic to bees exposed to direct treatment. Protective information may be obtained from your Cooperative Agricultural Extension Service.

This product is toxic to fish. Keep out of lakes, streams, ponds, tidal marshes and estuaries. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment or disposal of wastes. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where there are important resources. Apply this product only as specified on this label.

DIRECTIONS FOR USE

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

CYTHON is used undiluted in specially designed aircraft or ground equipment capable of applying ultra low volumes for control of the insects indicated below. Aerial application is most effective when made at a boom height of 5 feet and a swath width of 50 feet. Do not make application when winds exceed 5 mph.

Mist blowers and boom sprayers utilizing a controlled air flow to facilitate particle size and spray deposition may be used at a vehicle speed of 4 to 10 mph.

Mist blowers with a pump capable of producing up to 40 psi and blower speeds of 2800 rpm are satisfactory. Use Rotolox nozzles, 8001 to 8002, placed 30" into air blast or rotary atomizer into the air blast that produce an efficient spray particle with a mass medium diameter of 40 to 100 microns. Swath widths should not exceed 30 feet, and applications should not be made when winds exceed 5 mph.

Boom sprayers with a filtered rotary air compressor, either PTO or gas engine driven or an air pump capable of producing at least 12 psi are satisfactory. Use air pressure on chemical tanks and an accurate metering valve to assure a calibrated flow of the pesticide. Air should be regulated with relief valve and gauge for proper air and liquid mixture. Pneumatic-type spray nozzles, as suggested by equipment manufacturers, should be used for spray particles with mass medium diameter of 30 to 100 microns. Applications should not be made when winds exceed 5 mph.

Repeat applications should be made as necessary unless otherwise specified.

IMPORTANT

Undiluted spray droplets of Cython will permanently damage automobile paint. Cars should not be sprayed. If accidental exposure does occur, the car should be washed immediately. Consult your State Experiment Station or State Extension Service for proper washing of spray.

Before using, read the directions for the proper methods and procedures which must be followed to achieve effective insect control and avoid permanent damage to automobile and other paint finishes.

| CROP | PESTS CONTROLLED | FLUID OUNCES PER ACRE | INTERVAL BETWEEN LAST APPLICATION AND HARVEST |
|--|---|-----------------------|--|
| Alfalfa | Alfalfa caterpillar, Western yellow-striped weevil | 8-12 | Use lower rate when larvae are small. May be applied on day of harvest or grazing. Use higher rate when larvae are large or when alfalfa is thick. 5 days. |
| | Alfalfa weevil larvae | 16 | 5 days. Apply when dry temperatures are expected to exceed 85°F and when 50-70% of leaves show feeding damage. |
| | Beet armyworm | 8-16 | Use lower rate when larvae are small. May be applied on day of harvest or grazing. Use higher rate when larvae are large or when alfalfa is thick. 5 days. |
| | Grasshoppers | 8 | May be applied on day of harvest or grazing. |
| DO NOT APPLY TO ALFALFA IN BLOOM. DO NOT APPLY TO SEED ALFALFA. | | | |
| Brassicas (green snap, Navy, red, Liberty and dr. Maccove) | Mealy-burn beetle, Leaf hoppers, Green cloverworm, Japanese beetle, Lygus bug | 8 | 1 day. |
| Blueberries | Blueberry maggot | 10 | 0 day. |
| Cherries | Cherry fruit fly | 12-16 | 1 day. Apply by aircraft only. Use higher rate when foliage is heavy or infestation is severe. Make first application as soon as fruit appear. |
| Cereal Crops (Barley, corn, oats, wheat) and grass | Cereal leaf beetle | 4-8 | Barley, oats, wheat: 7 days of harvest or grazing use. Corn: 5 days. Grasses: May be applied on day of harvest or grazing. |
| Clover, Pasture and Range Grass, Grass | Grasshoppers | 8 | May be applied on day of harvest or grazing. Do not apply to clover in bloom. |
| Corn | Early Season Insects, Thrips, Fleahoppers, Leafhoppers | 4-8 | 5 days. |
| Cotton | Early Season Insects, Thrips, Fleahoppers, Leafhoppers | 4-8 | 0 day. |
| | Do not seed | 8-12 | Early to mid-season: 0 day. Late season: 0 day. |

**Hopkins
CYTHON®**

"THE PREMIUM GRADE MALATHION"

ACTIVE INGREDIENT: Malathion** 91.0%
 INERT INGREDIENTS: 9.0%
 TOTAL 100.0%

**O,O-dimethyl phosphorodithioate of diethyl mercaptosuccinate
 (One gallon contains 9.33 pounds of malathion)
 ®Trademark of American Cyanamid Company
 EPA Reg. No. 2393-254

EPA Est. No. 2393-WI-1

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

STATEMENT OF PRACTICAL TREATMENT

If swallowed: Call a physician or poison control center immediately. Induce vomiting by giving 1 or 2 glasses of water and touching back of throat with finger or blunt object. Do not induce vomiting or give anything by mouth to an unconscious person.

If on skin: Remove contaminated clothing and wash affected areas with soap and water.

If in eyes: Flush with water for at least 15 minutes and get medical attention.

Note to physician: This material is a cholinesterase inhibitor. Treat symptomatically. Atropine is an antidote.

See Side Panel for Additional Precautionary Statements

NOTICE OF WARRANTY

Seller makes no warranty, express or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to label instructions.

NET CONTENTS



PACKED BY
Hopkins
agricultural chemical co.

GALLONS

CODE

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ACCEPTED
FEB 1 1980
 Fungicide, and Acaricide Act,
 as amended, for the pesticide
 2393-254