



CYTHION

"THE PREMIUM GRADE MALATHION"

ACCEPTED JUN 1 1989 Under Federal Pesticide Act, as amended, pesticide registered with EPA Reg. No. 34704

ACTIVE INGREDIENT:
 Malathion: O,O-dimethyl phosphorodithioate of diethyl mercaptosuccinate 91%

INERT INGREDIENTS: 9%

TOTAL 100%

Contains 9.33 pounds malathion per gallon.
 * Trademark of American Cyanamid Company.

KEEP OUT OF REACH OF CHILDREN CAUTION

See Below for Additional Precautionary Statements
 EPA REG. NO. 34704-566 EPA EST. NO. _____
 NET CONTENTS _____ GALLONS
 23530 04788 A

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Harmful if swallowed, inhaled or absorbed through skin. Avoid breathing vapors or spray mist. Avoid contact with skin, eyes, or clothing. Wash thoroughly after handling and before eating or smoking. Do not contaminate feed or foodstuffs.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish, aquatic invertebrates, and aquatic life stages of amphibians. Do not apply directly to water or wetlands (i.e., swamps, bogs, marshes, and potholes). Drift and runoff may be hazardous to aquatic organisms in areas near the application site. Do not contaminate water when disposing of equipment washwaters. This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.

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 inhaled: Remove victim to fresh air. Apply artificial respiration if indicated.
 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.

DIRECTIONS FOR USE

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

REENTRY STATEMENT

Do not enter treated areas without protective clothing until sprays have dried. Protective clothing means, at least, a hat or other suitable head covering, a long sleeved shirt and long, legged trousers or a coverall type

garment (all of closely woven fabric covering the body, including the arms and legs), shoes and socks. Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information. Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Written or oral warnings must include the following information:

CAUTION

(Insert area or field description) treated with malathion on (insert date of application.) Do not enter treated areas without protective clothing until sprays have dried. In case of accidental exposure: Call a doctor (physician), clinic or hospital immediately. Explain that the victim has been exposed to malathion and describe his condition. For further information see the "STATEMENT OF PRACTICAL TREATMENT" portion of the pesticide label.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.
STORAGE: Do not use or store near heat or open flame. Keep product in original container, tightly closed and store in a cool, dry place. High temperatures may shorten shelf life of product.
PESTICIDE DISPOSAL: 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) and offer for recycling, reconditioning, or disposal in approved landfill or bury in a safe place.
Rinse Procedure: Drain pail completely. Add 1/2 gallon of water, 1/4 cup of detergent and 1/4 pound of lye. Tighten closure. Rotate pail to wet all surfaces and let stand for at least 15 minutes. Drain completely and rinse several times with water. Bury rinse solution 18 inches deep.
GENERAL: Consult Federal, State, or local disposal authorities for approved alternative procedures.

APPLICATION

CYTHION is used undiluted in specially designed aircraft or ground equipment capable of applying ultra low volumes for control of the insects indicated below. Aerial applications are most effective when made at a boom height of 5 feet and a swath width of 30 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 flat fan nozzles, 8001 to 8002, placed 30" into air blast or rotary atomizer with air blast that produce an efficient spray particle with a mass median 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 570 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 median diameter of 30 to 100 microns. Applications should not be made when winds exceed 5

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(continued)

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 timing of sprays. 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 armyworm	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	10	5 days. Apply when day temperatures are expected to exceed 65°F and when 50-70% of leaves show feeding damage
	Beet armyworm	8-10	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.**

Beans (lima, green, snap, Navy, red kidney, wax, dry, blackeye)	Mexican bean beetle, Leafhoppers, 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 flies appear
Cereal Crops (barley, corn, oats, wheat) and grass	Cereal leaf beetle	4-8	Barley, oats, wheat: 7 days of harvest or forage use. Corn: 5 days. Grasses: May be applied on day of harvest or grazing
Clover, Pasture and Range Grass, Grass, Grass Hay, Nonagricultural Land (Waste-lands, roadsides, soil bank lands)	Grasshoppers	8	May be applied on day of harvest or grazing. Do not apply to clover in bloom.
Corn	Adult Corn rootworm	4	5 days.
Cotton	Early Season Insects; Thrips, Fleahoppers, Leafhoppers	4-8	0 day
	Soil weevil	8-12 10	Early to midseason. 0 day. Late season. 0 day
	Grasshoppers	8	0 day
	Lygus bugs	8-12 10	0 day. Very heavy migrating populations. 0 day

Grain Crops (barley, corn, oats, rye, rice, grain sorghum and wheat)	Grasshoppers	8	7 days. Corn 5 days of harvest of forage use.
Grain Sorghum	Sorghum midge	8-12	Apply during the bloom stage 7 days of harvest or forage use
Safflower	Grasshoppers, Lygus bugs	8	3 days of harvesting seeds.
Soybeans	Mexican bean beetle, Grasshoppers, Japanese beetle, Green cloverworm	8	7 days of harvest or forage use.
Sugar Beets	Grasshoppers, Sugarbeet root maggot adults	8	7 days if tops are to be used as feed.
Nonagricultural Lands	Beet leafhopper (on wild host plants)	8	0 day.
Beet Cattle—Feed Lots and Holding Pens	Adult Flies and Mosquitoes	6-8	0 day.

OTHER AGRICULTURAL USES

Alfalfa, Clover, Pasture and Range Grass, Grass, and Grass Hay, Grain Crops, Beans, Rice, Tomatoes and Nonagricultural Lands (waste-lands, soil bank lands): Adult mosquitoes and flies, apply CYTHON at the rate of 2 to 4 fluid ounces for control of adult mosquitoes and at 6 to 8 fluid ounces per acre for control of adult flies and mosquitoes. Repeat applications as necessary. On alfalfa, clover, pasture and range grass, grass, and grass hay, may be applied on day of harvest or grazing. Do not apply to alfalfa and clover in bloom. Do not use on seed alfalfa. On grain crops, make no application within 7 days of harvest or forage use; on corn, within 5 days of harvest or forage; on rice, within 7 days of harvest; on beans and tomatoes, within 1 day of harvest.

FOREST INSECTS

Apply with aircraft equipped for ultra low volume application. Make application when air is calm and temperature is below 68°F. Do not allow spray to contact ferns, hickory and maples as injury may result. Do not spray on elms under extreme heat, drought and disease conditions.

TREE	PESTS CONTROLLED	FLUID OUNCES PER ACRE	DIRECTIONS
Douglas Fir, True Fir, Spruce	Spruce budworm	13	Apply when highest percentage of larvae are in the fifth instar
Hemlock	Hemlock looper	8	Apply when most larvae are in the third and fourth instar.
Pine	European pine sawfly	10	Apply when larvae are in the first or second instar or before they reach 1/2 inch in length.
	Sawtooth sprucebug	10	Apply when 95% of the population has become adult.
Larch	Larch casebearer	8	Apply in spring as soon as larvae break diapause and begin feeding on new foliage.

NOTICE

Platte Chemical Co., Inc. warrants that this product conforms to the chemical description on the label thereof and is reasonably safe for the purposes stated on such label only when used in accordance with the directions under normal use conditions. It is impossible to eliminate all risks inherently associated with the use of the product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Platte. In no case shall Platte be liable for consequential, special or indirect damages resulting from the use or handling of this product. Such risks shall be assumed by the buyer. Platte makes no warranties of merchantability or fitness for a particular purpose nor any other express or implied warranty except as stated above.

FORMULATED FOR
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2062

BEET CATTLE FEED LOTS