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7057



SIM-CHE

CYTHION® INSECTICIDE

THE PREMIUM GRADE MALATHION

AGRICULTURAL USES – DIRECTIONS FOR USE

DO NOT USE THIS PRODUCT FOR ANY USES OTHER THAN THOSE SPECIFIED HEREIN

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 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 2,600 rpm are satisfactory. Use flat fan nozzles, 8001 to 8002, placed 30" into air blast or rotary atomizers 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 manufacturer, 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.

NOTICE: Seller warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE, express or implied, extends to the use of this product contrary to label

ACTIVE INGREDIENT:

Malathion O,O-dimethyl phosphorodithioate of diethyl mercaptosuccinate

INERT INGREDIENTS

One gallon contains 9.7 pounds of malathion

®American Cyanamid Company Registered Trade Mark.

E.P.A. REG. NO. 11682-19

EPA Est. No. 089171D01

CAUTION

Keep Out of Reach of Children

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

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

This product is toxic to fish. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where these are important resources. 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. Apply this product only as specified on this label.

Do not reuse empty container. Destroy it by perforating or crushing. Bury or discard in a safe place away from water supplies.

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MANUFACTURED FOR

SIM-CHEM

MINERALS AND CHEMICALS DIVISION • J. R. SIMPLOT COMPANY

Post Office Box 810

Mountain Home, Idaho 83647

S-CHEM-58

NET CONTENTS

GALLONS

CHEM

INSECTICIDE

GRADE MALATHION

ACCEPTED

AUG 1 1974

UNDER THE FEDERAL INSECTICIDE
ACT AND REGULATIONS OF
THE ECONOMIC PEST CONTROL
ADMINISTRATION
EPA REG. NO. 1724-2-74

rodithioate of diethyl

95.0%

5.0%

thion

100.0%

Trade Mark.

EPA Est. No. 089171D01

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Breathing Spray Mist

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Contaminated Clothing

Do Not Eat or Drink

IMPORTANT

Undiluted spray droplets of CYTHION 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.

ALFALFA — Alfalfa caterpillar, western yellow striped armyworm: 8-12 oz. per acre. 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 oz. per acre. Apply when day temperatures are expected to exceed 65° F. and when 50-70% of leaves show feeding damage. 5 days. Beet armyworm: 8-16 oz. per acre. 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. Grasshopper: 8 oz. per acre. 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 oz. per acre. 1 day.

BLUEBERRIES — Blueberry maggot: 10 oz. per acre. 0 day.

CHERRIES — Cherry fruit fly: 12-16 oz. per acre. Apply by aircraft only. Use higher rate when foliage is heavy or infestation is severe. Make first application as soon as flies appear. 1 day.

CEREAL CROPS (barley, corn, oats, wheat) and **GRASSES** — Cereal leaf beetle: 4-8 oz. per acre. 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 (wastelands, roadsides, soil bank lands) — Grasshoppers: 8 oz. per acre. May be applied on day of harvest or grazing. Do not apply to clover.

CORN — Adult corn rootworm: 4 oz per acre. 5 days.

COTTON — Early season insects (thrips, fleahoppers, leafhoppers): 4-8 oz. per acre. Boll weevil: 8-12 oz. per acre. Early to mid-season. 16 oz. per acre. Late season. Grasshoppers: 8 oz. per acre. Lygus bugs: 8-12 oz. per acre. Very heavy migrating populations.

GRAIN CROPS (barley, corn, oats, rye, rice, grain sorghum and wheat) — Grasshoppers: 8 oz. per acre. 7 days. Corn: 5 days of harvest or forage use.

GRAIN SORGHUM — Sorghum midge: 8-12 oz. per acre. Apply during the bloom stage. 7 days of harvest or forage use.

RICE — **GRAIN FORM** (Louisiana, Texas) — Rice stink bug: 8 oz. per acre. 7 days. Apply by aircraft only. Apply during early milk and dough stage of growing rice.

SAFFLOWER — Grasshoppers, lygus bugs: 8 oz. per acre. 3 days of harvesting seeds.

SOYBEANS — Mexican bean beetle, grasshoppers, Japanese beetle, green cloverworm: 8 oz. per acre. 7 days of harvest or forage use.

SUGAR BEETS — Grasshoppers, sugar beet root maggot adults: 8 oz. per acre. 7 days if tops are to be used as feed.

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nalathion	100.0%
red Trade Mark.	
EPA Est. No. 089171D01	

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Breathing Spray Mist

Hand Contact With Skin

Wash Thoroughly After Handling

Do Not Wear Contaminated Clothing

Do Not Eat or Ingest Contaminated Food or Feed Products

MANUFACTURED FOR

M-CHEM

AGROCHEMICALS DIVISION • J. R. SIMPLOT COMPANY

Post Office Box 810

Blackfoot, Idaho 83647

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CLOVER, PASTURE and RANGE GRASS, GRASS, GRASS HAY, NONAGRICULTURAL LAND (wastelands, roadsides, soil bank lands) — Grasshoppers: 8 oz. per acre. May be applied on day of harvest or grazing. Do not apply to clover in bloom.

CORN — Adult corn rootworm: 4 oz per acre. 5 days.

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NONAGRICULTURAL LANDS — Beet leafhopper (on wild host plants): 8 oz. per acre. 0 day.

BEEF CATTLE — FEED LOTS and HOLDING PENS — Adult flies and mosquitoes: 6-8 oz. per acre. 0 day.

OTHER AGRICULTURAL USES

Alfalfa, clover, pasture and range grass, grass, and grass hay, grain crops, beans, rice, tomatoes and nonagricultural lands (wastelands, soil bank lands): Adult mosquitoes and flies. Apply CYTHION 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.

DOUGLAS FIR, TRUE FIR, SPRUCE — Spruce budworm: 13 oz. per acre. Apply when highest percentage of larvae are in the fifth instar.

HEMLOCK — Hemlock looper: 8 oz. per acre. Apply when most larvae are in third and fourth instar.

PINES: European pine sawfly: 10 oz. per acre. Apply when larvae are in the first or second instar or before they reach ½-inch in length. Saratoga spittlebug: 10 oz. per acre. Apply when 95% of the population has become adult.

LARCH — Larch casebearer: 8 oz. per acre. Apply in spring as soon as larvae break hibernation and begin feeding on new foliage.