

2393-377

11/15/2000

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Hopkins

CYGON® 2-E

Systemic Insecticide

ACCEPTED

NOV 15 2000

Under the Pesticide
 Registration Act
 of 1972 (FIFRA)
 this product has been
 registered under the
 Act.

2393-377

Organophosphate insecticide

CONTROLS FLIES

For control of Insects and
 Mites on Ornamental Plants

(1 gallon contains 2 pounds of dimethoate)

ACTIVE INGREDIENTS:

Dimethoate (0,0-Dimethyl S-[(methylcarbamoyl)methyl]
 phosphorodithioate) 23.4%
 INERT INGREDIENTS: 76.6%
 TOTAL 100.0%

* This product contains Xylene-Range Aromatics

KEEP OUT OF REACH OF CHILDREN WARNING AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la
 explique a usted en detalle. (If you do not understand this label, find
 someone to explain it to you in detail.)

See Below for Statement of Practical Treatment and Additional
 Precautionary Statements

NET CONTENTS _____ GAL. (_____ L)
 EPA REG. NO. 2393-377 EPA EST. NO. 34704-MS-1
 TM-American Cyanamid Co.

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EXP 09/00

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS WARNING

VAPOR HARMFUL—Harmful or Fatal if Swallowed Concentrated Material Causes Eye Irritation

Avoid breathing vapor or spray mist. Avoid contact with skin or eyes. Use
 only with adequate ventilation. Do not contaminate food. Do not use in
 homes. Rinse spills on outside of container after use. Do not contaminate
 feed and foodstuffs, drinking fountains, litter and feed troughs. Do not use
 in milk-processing rooms, including milk houses and milk storage rooms.

**AERIAL APPLICATION: AUTOMATIC FLAGGING DEVICES SHOULD
 BE USED WHENEVER FEASIBLE. IF HUMAN FLAGGERS ARE EM-
 PLOYED, THEY MUST WEAR THE PROTECTIVE CLOTHING AND RES-
 PIRATOR SPECIFIED ON THIS LABEL.**

Personal Protective Equipment:

Some materials that are chemical-resistant to this product are listed below.
 If you want more options, follow the instructions for category F on the EPA
 chemical resistance category selection chart.

Applicators and other handlers must wear: coveralls over shortsleeved
 shirt and short pants, chemical-resistant gloves, such as barrier laminate,
 butyl rubber, nitrile rubber or viton, chemical-resistant footwear plus socks,
 protective eyewear and chemical-resistant headgear for overhead expo-
 sure. For exposures in enclosed areas, a respirator with either an organic
 vapor-removing cartridge with a prefilter approved for pesticides
 (MSHA/NIOSH approval number prefix TG-23C), or a canister approved
 for pesticides (MSHA/NIOSH approval number prefix TC-14G) or a NIOSH
 approved respirator with an organic vapor (OV) cartridge or canister with

any R, P, or HE prefilter. For exposures outdoors, a dust/mist filtering res-
 pirator (MSHA/NIOSH approval number prefix TC-21C) or a NIOSH
 approved respirator with any R, P, or HE filter.

Discard clothing and other absorbent materials that have been drenched
 or heavily contaminated with this product's concentrate. Do not reuse
 them.

Follow manufacturer's instructions for cleaning and maintaining PPE. If no
 such instructions for washables, use detergent and hot water. Keep and
 wash PPE separately from other laundry.

Engineering controls statements:

When handlers use closed systems, enclosed cabs, or aircraft in a man-
 ner that meets with requirements listed in the Worker Protection Standard
 (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler
 PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users should:

Wash hands before eating, drinking, chewing gum, using tobacco or
 using the toilet.
 Remove clothing immediately if pesticide gets inside. Then wash
 thoroughly and put on clean clothing.
 Remove PPE immediately after handling this product. Wash the out-
 side of gloves before removing. As soon as possible, wash
 thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to wildlife and aquatic invertebrates. For terrestrial
 uses, do not apply directly to water, or to areas where surface water is pre-
 sent or to intertidal areas below the mean high water mark. Do not conta-
 minate water by cleaning equipment or disposal of wastes.

This pesticide is highly toxic to bees exposed to direct treatment or
 residues 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.

CHEMICAL HAZARDS

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

STATEMENT OF PRACTICAL TREATMENT

If Swallowed: Call a physician or Poison Control Center immediately.
 Gastric lavage is usually indicated. Do not induce vomiting. Vomiting may
 cause aspiration pneumonia. Do not induce vomiting or give substances
 by mouth to an unconscious person.

If Inhaled: Remove victim to fresh air. Assist respiration if indicated.

If on Skin: Promptly wash contaminated skin with soap and water.

If in Eyes: Immediately flush eyes with plenty of water. Get medical atten-
 tion if irritation persists.

NOTE TO PHYSICIANS: This product may cause cholinesterase inhibi-
 tion. Atropine is antidotal. **FOR A MEDICAL EMERGENCY INVOLVING
 THIS PRODUCT CALL: 1-800-225-5635, EXT. 136, OR CALL COLLECT,
 612-651-8180, EXT. 136.**

DIRECTIONS FOR USE

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

Do not apply this product in a way that will contact workers or other per-
 sons, either directly or through drift. Only certified handlers may be in the
 area during application.

For any requirements specific to your State or Tribe, consult the agency
 responsible for pesticide regulation.

CYGON* 2-E
EPA REG. NO. 2393-377

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 48 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: coveralls over short-sleeved shirt and short pants, chemical-resistant gloves, such as barrier laminate, butyl rubber, nitrile rubber or viton, chemical-resistant footwear plus socks, protective eyewear and chemical-resistant headgear for overhead exposure.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forest, nurseries, or greenhouses.

Keep children and pets out of the treated area until sprays have dried.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

Storage: Do not store near heat or open flame. Do not store below 40°F. Mix as needed, do not store diluted material.

Pesticide Disposal: Pesticide wastes are acutely hazardous. 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: Metal: 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. Plastic: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

DIRECTIONS

OUTDOOR ORNAMENTAL PLANTS

CYGON 2-E is generally effective in controlling aphids, thrips, leaf miners, scales, leafhoppers and mites. For proper timing of treatments for the control of specific pests on ornamental plants, consult your State Agricultural Experiment Station or State Agricultural Extension Service.

Make adequate sprays when pests appear or when damage is first observed. Do not overdose or overspray. Do not use on ornamental plants not listed. Do not use on any ornamental stock plants grown as a source of propagation material, such as cuttings, layers, root stocks or scions for grafting or budding. Do not use in spray mixtures containing oil. Do not use on plants growing in greenhouses.

**THE USES LISTED BELOW ARE FOLIAR SPRAYS
UNLESS OTHERWISE INDICATED**

Ornamental Plants— Outdoor Plants Only	Pest Controlled	PINTS Per 50 Gals. Water or Teaspoons per ½ Gal. Water	Tablespoons per per 3 Gals. Water
Azaleas	Lace Bugs, Leaf Miners, Mites, Tea Scale, Whiteflies	1	2
Camelias	Aphids, Camelia Scale, Mites, Tea Scale	1	2
	Foliar Spray: Apply 2 sprays 6 weeks apart the first year followed by annual applications soon after first growth begins in the spring. Soil Drench: Apply CYGON 2-E as a soil drench around the base of plants in early spring at the rate of 4 tablespoons per 1 gallon of water per plant up to 6 feet tall. Increase this rate proportionately for larger plants.		
Roses	Aphids, Leafhoppers, Mites, Thrips	1	2
Birch	Aphids, Leaf Miners	½	2
	For leaf miners apply when leaves are expanded (about mid-May) and repeat in early July.		

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Ornamental Plants— Outdoor Plants Only	Pest Controlled	PINTS Per 50 Gals. Water or Teaspoons per ½ Gal. Water	Tablespoons per per 3 Gals. Water
Boxwood	Leaf Miners, Mealy Bugs, Mites	1	2
	For leaf miners, apply in spring when leaf miner flies first appear or in early summer for control of larvae in the infested leaves		
Euonymus	Aphids, Scale	2	4
Gleditsia	Aphids, Thrips	1	2
Hemlock	Mites, Scale	1	2
Juniper	Aphids, Bagworms, Midges, Mites	2	4
Pine	Aphids, Bagworms, European Pine Shoot Moth, Hemlock Pine Tip Moth, Zimmerman Pine Moth	2	4

CHEMIGATION:

Refer to supplemental labeling entitled "APPLICATION THROUGH IRRIGATION SYSTEMS—CHEMIGATION" for use directions for chemigation. Do not apply this product through any irrigation systems unless the supplemental labeling on chemigation is followed.

Fly control: Apply as a spray containing ½ pint of CYGON 2-E in 5 quarts of water with a knapsack or similar type sprayer to areas frequented by flies, such as doorways, around windows, etc. Repeat applications should be made when necessary. Good sanitation is a necessary part of any effective fly control program.

Maggot Sprays: For the control of fly maggots, mix ½ pint of CYGON 2-E in 5 quarts of water and apply as a coarse spray or with a sprinkling can to fly-breeding areas, such as poultry droppings in caged-layer houses, garbage dumps and manure piles.

Repeat application as additional manure or garbage is added.

Residual Wall Sprays: For the control of flies including resistant strains, in dairy barns, hog pens, calf barns, poultry houses and other farm buildings, apply a 1% residual spray to the ceilings, walls, stanchions, etc. Prepare the spray by mixing ½ pint of CYGON 2-E in 1½ gallons of water. Thoroughly wet all fly resting areas to the point of runoff. One gallon of spray will cover 500 to 1,000 square feet of surface. Repeat applications should be made when necessary. Remove all animals from buildings when applying residual wall sprays.

Litter (Darkling) Beetle: To control Litter Beetles, mix ½ pint of Cygon 2-E in 1½ gallons water and apply as a surface treatment to walls, floors, ceilings and the general surface area after depopulation. Animals must be removed from buildings when applying product.

***Not registered for use in California**

CYGON 2-E IS ACCEPTABLE FOR USE AS A RESIDUAL-TYPE INSECTICIDE IN AND AROUND FEDERALLY INSPECTED MEAT PACKING PLANTS EXCEPT WHERE MEAT FOOD PRODUCTS ARE PROCESSED OR HANDLED.

CYGON 2-E controls flies up to 8 weeks or longer.

General Outside Use: For the control of flies around homes and recreation areas, garbage cans, animal quarters, food-processing plants, warehouses, loading docks and refuse areas: thoroughly spray exposed surfaces such as walls, fences, garbage and refuse containers with ½ pint of CYGON 2-E in 1½ gallons of water.

Repeat applications should be made when necessary.

DISCLAIMER

HACO, Inc. warrants only that the material contained herein conforms to the chemical description on the label and is reasonably fit for the use thereon described when used in accordance with the directions for use.

Any damages arising from a breach of this warranty shall be limited to direct damages, and shall not include consequential commercial damages such as loss of profits or values, etc.

HACO, Inc. makes no other express or implied warranty, including any other express or implied warranty of FITNESS or of MERCHANTABILITY.

Buyer assumes the risk of any use contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable by HACO, Inc.



MANUFACTURED FOR

HACO, inc.

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