

Reg # 1386-449

PM-14

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Ms. Nik Ramswick  
Universal Cooperatives, Inc.  
7801 Metro Parkway  
P. O. Box 460  
Minneapolis, MN 55440

Dear Ramswick:

Subject: Cygon 2-E Systemic Insecticide  
EPA Registration No. 1386-449  
Your Application for Pesticide Amendment  
Dated May 5, 1993

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable provided that you:

1. As per your telephone conversation with Ms. Madden and as stated on page 22 of the March 1983 "DIMETHOATE Pesticide Registration Standard (035001)" since this product is intended for homeowner use the statements requiring protective clothing can read:

"The following protective clothing must be worn during application:

- a. Impermeable gloves (for example rubber or plastic covered reinforced gloves).
- b. Boots or boot covers.
- c. Long-sleeved shirt and long pants.
- d. Wide-brimmed hat.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

A stamped copy of the labeling is enclosed for your records.

Note that this acceptance of your label does not relieve you of your obligation to comply with the Worker Protection Standard (WPS). If any of your products are covered by the WPS, you are

MADDEN Disk #3 7/8/93

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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required to submit, and receive the Agency's approval by April 21, 1994, of a revised label reflecting the required label statements of 40 CFR 156, published in the FEDERAL REGISTER of August 21, 1992 (57 FR 38102). Under the WPS labeling regulations at 40 CFR 156, subpart K, § 156.200(c)(3), you are prohibited from distributing or selling any product within the scope of the WPS requirements after April 21, 1994, without amended labeling accepted by the Agency.

Sincerely yours,

Robert A. Forrest  
Product Manager (14)  
Insecticide-Rodenticide Branch  
Registration Division (H7504C)

enclosure

CONCURRENCES

CONCURRENCES							
SYMBOL							
SURNAME							
DATE							

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ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

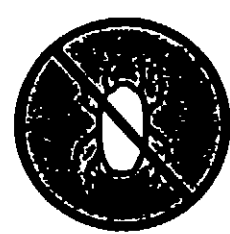
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Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
1386 - 449

# CYGON\* 2-E

## Systemic Insecticide

Controls Pests on Ornamental plants as listed. Controls Houseflies.



Active Ingredient:

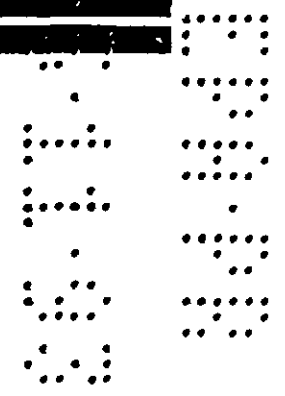
Dimethoate [0,0-dimethyl S-(N-methyl-carbamoylmethyl) phosphorodithioate] .....	24.2%
Inert Ingredients .....	75.8%
Total .....	100.0%

Contains 2 pounds dimethoate per gallon. \*Trademark of American Cyanamid Co., Wayne, N.J.

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

See Side Panel for Additional Precautionary Statements.



### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

#### CAUTION

Harmful if swallowed or inhaled. Concentrated material causes eye irritation. Avoid breathing vapors or spray mist. Use only with adequate ventilation. Avoid contact with skin or eyes. Wash thoroughly after handling. Do not contaminate feed and foodstuffs.

#### STATEMENT OF PRACTICAL TREATMENT

If in eyes, flush with plenty of water for at least 15 minutes. Get medical attention. If on skin, wash affected areas with soap and water. If inhaled, remove victim to fresh air. Apply respiration if indicated.

NOTE TO PHYSICIAN—This product, upon repeated, prolonged use, may cause cholinesterase inhibition. Atropine is antidotal.

### 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 present or to intertidal areas below the mean high water mark. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water by cleaning of 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. Protective information may be obtained from your Cooperative Agricultural Extension Service.

#### PHYSICAL OR CHEMICAL HAZARDS

Keep away from heat, sparks and open flame.

#### DIRECTIONS FOR USE

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

This product is intended for ground application only.

#### Required Clothing and Equipment for Application

All applicators, including homeowners, flaggers, and all personnel involved with the mixing, loading, and transferring operations must wear the protective clothing and equipment enumerated below. Pilots are exempt from this requirement. The protective clothing and equipment to be worn is as follows: Impermeable gloves (for example, rubber or plastic covered reinforced gloves, boots or boot covers, long-sleeved shirt and long pants, and wide-brimmed hat. Respirators must be worn by flaggers and mixer/loaders.

#### FOR USE ON ORNAMENTAL PLANTS

CYGON 2-E insecticide is effective generally in controlling aphids, thrips,

leaf miners, scale insects, leafhoppers and mites on certain ornamental plants. Apply sprays uniformly and thoroughly to foliage, except as otherwise stated, when insects first appear, or when damage is first observed, and repeat applications as needed. Do not over dose or over spray. Use only on the ornamental plants listed.

PLANTS PEST CONTROLLED  
Use 1 teaspoonful in 1 quart of water to control the insects on the ornamental plants listed below

Arbutus	Aphids, bagworms, mites
Cedar	Mites
Dorothy	Aphids, thrips
Euonymus	Aphids, scale
Fis	Aphids, its borer, thrips (For borer control, spray when new leaves are 5 to 6 inches tall.)
Juniper	Aphids, bagworms, midges, mites
Oak	Golden oak scale
Pine	Aphids, bagworms, European pine shoot moth, Nanucket pine tip moth, Zimmerman pine moth
Taxus (upright or spreading yew)	Fletcher scale, mealy bugs, mites

Use 1/2 teaspoonful in 1 quart of water to control the insects on the ornamental plants listed below:

Azalea (outdoor plants)	Leaf bugs, leaf miners, mites, tea scale, white flies
Camellias	Aphids, camellia scale, mites, tea scale (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 as a soil drench around the base of plants in early spring at the rate of 4 tablespoonfuls in 1 gallon of water per plant up to 6 feet tall. Increase rate proportionately for larger plants.)
Carnations	Aphids, thrips, mites (Soil Drench: Apply as a soil drench at the rate of 4 fluid ounces per 500 sq. ft. of bed or bench (5 qt. per 1/2 acre) in sufficient water for even distribution. Water in thoroughly after application.)
Cyperus	Beetle moth larvae (Apply as a drenching spray.)
Bonwood	Leaf miners, mealy bugs, mites (For leaf miners, apply in spring, when leaf miner flies first appear, or in early summer for control of larvae in the infested leaves.)
Gardenias	Tea scale, white flies
Gerberas	Thrips

PLANTS PESTS CONTROLLED

Gladiolus	Aphids, thrips
Poinsettia (outdoor plants)	Mites, white flies, mealy bugs, aphids
Ficus nitida (outdoor plants)	Thrips (Do not use on potted plants)
Holly (English and American) not Burford variety	Leaf miners, mites, soft scale (For leaf miners, apply in spring when leaf miner flies first appear, or in early summer, for control of larvae in the infested leaves.)
Hemlock	Mites, scale
Roses (outdoor plants)	Aphids, leafhoppers, mites, thrips
Birch	Aphids, leaf miners (For leaf miners, apply when leaves are expanded, about mid-May, and repeat in early July)

NOTE: 1/2 teaspoonful in 1 quart is equivalent to 1 pint in 50 gallons of water.  
1 teaspoonful in 1 quart is equivalent to 1 quart in 50 gallons of water

#### CONTROL OF HOUSEFLIES

RESIDUAL SPRAY—To control houseflies in dairy barns, hog pens, calf barns, loafing sheds, poultry houses, and other farm outbuildings, apply a 1 percent residual spray to ceilings, walls, stanchions, and other surfaces on which flies congregate or rest. Prepare the spray by mixing 1 gallon in 25 gallons of water (1 pt. in 3 gal.). Apply the spray to wet uniformly all fly-resting areas to the point of run-off. One gallon of spray will cover 500 to 1,000 sq. ft. of wall or ceiling surface. Repeat applications as necessary.

Remove dairy animals, calves under one month of age, and poultry from buildings when applying residual sprays.

SPOT SPRAY—To control houseflies in localized areas, apply a spray made by mixing 1/2 pint in 5 quarts of water (3-1/2 tbsp. in 1 qt.) to surfaces around doorways and windows, in alleyways and feed rooms, and to other spots frequented by flies. Repeat as necessary.

GOOD SANITATION IS A NECESSARY PART OF ANY EFFECTIVE FLY CONTROL PROGRAM.

MAGGOT SPRAY—To control housefly maggots, mix 1/2 pint in 5 quarts of water (1 qt. in 5 gal.) and apply as a coarse spray or with sprinkling can to fly-breeding media, such as poultry droppings in caged layer houses, garbage dumps, or manure piles. Repeat applications as additional manure or garbage is added.

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**OUTSIDE SPRAY**—To control houseflies around home and recreation areas, animal quarters, food processing plants, warehouses, loading docks, and refuse areas, thoroughly spray exposed surfaces, such as walls, fences, garbage cans, and refuse containers, with 1 pint in 3 gallons of water (2-3/4 tbsp. in 1 quart). Repeat as necessary.

**DO NOT CONTAMINATE FEED OR FOODSTUFFS, DRINKING FOUNTAINS, FEED TROUGHS, AND LITTER. DO NOT USE IN MILK PROCESSING ROOMS, MILK HOUSES, AND MILK STORAGE ROOMS. DO NOT USE IN HOMES.**

**STORAGE AND DISPOSAL**

**STORAGE:** Store product in original container and in a locked storage area. Do not store where temperature may be below 32°F. Do not store with or near feed or food products.

**PESTICIDE DISPOSAL:** Securely wrap original container in several layers of newspaper and discard in trash.

**CONTAINER DISPOSAL:** Do not reuse empty bottle. Rinse thoroughly before discarding in trash.

**WARRANTY AND LIMITATION OF DAMAGES**

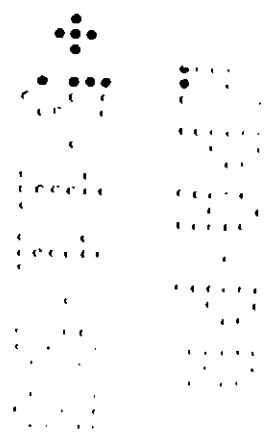
Seller warrants that this material conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use and Buyer assumes the risk of any use contrary to such directions. Seller makes no other express or implied warranty, including any other express or implied warranty of Fitness or of Merchantability, and no agent of Seller is authorized to do so except in writing with a specific reference to this warranty. In no event shall Seller's liability for any breach of warranty exceed the purchase price of the material as to which a claim is made.

The use of the within contained material for systemically protecting living plants is covered by Patent No. 3,210,242. The selling price includes a royalty for the right of any purchaser of said material to practice the methods claimed in said patent. A nontransferable license under said patent may be obtained from American Cyanamid Company on current royalty terms whatever the source of material used.

EPA Reg. No. 1386-449  
EPA Est. No. 1386-OH-1  
Product 259

Net Contents: 1 Gallon  
902594-7-85  
CO-OP is a registered trademark of  
Universal Cooperatives, Inc.

UNIVERSAL COOPERATIVES, INC., MINNEAPOLIS, MN 55440



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