

Reg # 769-948

PM-14

MAY 6 - 1994

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Mr. H. R. McLane
H. R. McLane, Inc.
7210 Red Road
Suite 206
Miami, FL 33143-5321

Dear Mr. McLane:

Subject: Cygon 2 E
EPA Registration No. 769-948
Submission dated April 11, 1994

The submission 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. Amend the Environmental Hazards section of your label to replace the statement "Do not apply directly to water or wetlands" with the following sentence: "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."
2. The certified limits for the active ingredient on your Confidential Statement of Formula do not correspond with the standard certified limits listed in 40 CFR 158.175. Please submit more precise limits or provide an explanation of how the certified limits were determined.
3. Submit one copy of your final printed labeling before you release the product for shipment.

Please note the first listed inert (solvent) is a List 2 Inert of Toxicological Concern under FIFRA and as such we strongly encourage you to substitute for this component in its entirety in the formulation for the subject product.

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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. If you have any questions about this letter, please contact Beth Edwards at (703) 305-5400 or (703) 305-6600.

Sincerely yours,

Robert A. Forrest
Product Manager (14)
Insecticide-Rodenticide Branch
Registration Division (7505C)

Enclosure

CONCURRENCES							
SYMBOL							
SURNAME							
DATE							

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MAY 6 - 1994

Under the Federal Insecticide, Fungicide, and Rodenticide Act, this pesticide is registered under EPA Reg. No. 769-948



CYGON* 2E

SYSTEMIC INSECTICIDE

Controls Insects, Mites, on Ornamental Plants as Listed

ACTIVE INGREDIENT:
 *Dimethoate [O,O-dimethyl S-(N-methylcarbamoyl methyl) phosphorodithioate] - - - - 23.4%
INERT INGREDIENTS: ** - - - - - 76.6%
 Total 100.0%

*CYGON Trademark of American Cyanamide Company; ** Contains xylene-range aromatic solvent. 1 Gallon Contains 2 pounds of Dimethoate

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 the label, find someone to explain it to you in detail)

STATEMENTS OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or Poison Control Center immediately. Do not induce vomiting. Gastric lavage is indicated if taken internally. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person. **IF INHALED:** Remove victim to fresh air. **IF ON SKIN:** Wash affected area with soap and water. **IF IN EYES:** Flush with plenty of water. Get medical attention.
NOTE TO PHYSICIAN: Dimethoate may cause cholinesterase inhibition. Atropine is antidote. 2 PAM may be effective adjunct to atropine.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING: Harmful or fatal if swallowed or absorbed through the skin. May cause irritation of eyes, nose skin and throat. Avoid contact with eyes and skin. Avoid breathing vapor or spray mist. Avoid breathing vapor or spray mist. Use only with adequate ventilation. Do not contaminate food or food products, drinking fountains, litter and feed troughs. Do not use in milk processing rooms including milk houses and milk storage rooms. Do not use in homes. Concentrated material causes eye irritation.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category (B and F) on an EPA chemical resistance category selection chart.
Applicators and other handlers must wear long-sleeved shirt and long pants; chemical-resistant gloves such as: barrier laminate, butyl or nitrile rubber or Viton, chemical resistant footwear plus socks, protective eyewear, chemical resistant headgear for overhead exposure, chemical resistant apron when cleaning equipment, mixing or loading; and a Dust/Mist filtering respirator (MSHA/NIOSH) approval number prefix TC-21C. 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/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

SEE SIDE PANEL FOR ADDITIONAL WARNINGS

EPA Reg. No. 769-948 EPA Est. No. 769-GA-1
 NET CONTENTS: 1 GALLON

SURECO, INC.

Fort Valley, GA 31030

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 outside 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. Do not apply directly to water or wetlands. 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.

PHYSICAL OR CHEMICAL HAZARDS

Do not use, pour, spill or store near heat or open flame. DO NOT ALLOW TO FREEZE.

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 persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation. Do not apply this product through any type of irrigation system.

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), notification to workers, and restricted-entry intervals. 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 12 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 long-sleeved shirt and long pants; chemical resistant gloves such as barrier laminate, butyl or nitrile rubber, or Viton, chemical resistant footwear plus socks, protective eyewear, and chemical resistant headgear for overhead exposure.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. **STORAGE:** Store in tightly closed original container in a locked area away from out of reach of children. **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:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other approved State and local procedures.

HOUSE FLY CONTROL

Residual Wall Sprays: For the control of houseflies, including resistant strains, in dairy barns, hog pen, calf barns, poultry houses, and other farm buildings, apply a 1% residual spray to the ceilings, walls, stanchions, etc. Prepare the spray by mixing 1 pint of Cygon 2E in 3 gallons of water. Thoroughly wet all fly resting areas to the point of run-off. 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.

SPOT SPRAYS

For localized housefly control, apply a spray containing 1/2 pint of Cygon 2E in 5 quarts of water with a knapsack or similar type sprayer to areas frequented by flies such as doorways, or around windows. Repeat application should be made when necessary. Good sanitation is a necessary part of any effective fly control program.

MAGGOT SPRAYS

For control of housefly maggots, mix 1/2 pint of Cygon 2E 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.

GENERAL OUTSIDE USE

For the control of houseflies 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 1 pint of Cygon 2E in 3 gallons of water. Repeat application should be made when necessary. 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. DO NOT USE THIS PRODUCT IN THE EDIBLE PRODUCTS AREA OF FOOD PROCESSING PLANTS, RESTAURANTS OR OTHER AREAS WHERE FOOD IS COMMERCIALY PROCESSED. DO NOT USE IN SERVICE AREAS WHEN FOOD IS EXPOSED. DO NOT CONTAMINATE FEED AND FOODSTUFFS, DRINKING FOUNTAINS, LITTER AND FEED TROUGHES. DO NOT USE IN MILK PROCESSING ROOMS, INCLUDING MILK HOUSES AND MILK STORAGE ROOMS. DO NOT USE IN HOMES.

OUTDOOR ORNAMENTAL PLANTS

Cygon 2E is generally effective in controlling Aphids, Thrips, Leaf Miners, Scale, Leafhoppers and Mites. Make adequate sprays when pests appear or when damage is first observed. Do not over-dose or over-spray. For proper timing of treatment for the control of specific pests on ornamental plants, consult your State Agricultural Experiment Station or State Agricultural Extension Service. 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.

Ornamental Plants	Pests Controlled	Amount
Azaleas (outdoors)	Lace Bugs Leaf Miners Mites Tea Scales White Flies	2 Injury if contains
Camellias	Aphids Camellia Scale Tea Scale	1 Foliar Apply first year begins Soil D Apply the base of the tree water increase for large
Injury may occur on certain varieties if applied in spray mixtures containing oil.		
Carnations	Aphids Thrips Mites	1 lb Soil D Apply of 4 flu bench sufficient application
Cyperus	Bactra Moth Larvae	1
Day Lilies	Aphids Thrips	1 lb Do not since
Roses (Outdoor Plants)	Aphids Leafhoppers Mites Thrips	1 Apply
Arborvitae	Aphids Bagworms Mites	2
Birch	Aphids Leaf Miners	1 Foliar are e and r
(tbsp. = tablespoonful) (tsp. = teaspoonful) (769-948 PM4 C. YGON 2E) (04-20-B-1)		

Disclaimer: Sureco, Inc. warrants that the purposes referred to in the Directions for Use are a matter of fitness or merchantability not a warranty of direct damages resulting from the use.

BEST AVAILABLE COPY

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SPOT SPRAYS

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Ornamental Plants	Pests Controlled	Amt./3 Gals water	Amt./1/2 Gal water
Azaleas (outdoors)	Lace Bugs Leaf Miners Mites Tea Scales White Flies	2 tbsp.	1 tsp.
Camellias	Aphids Camellia Scale Tea Scale	1 tbsp.	1/2 tsp.
Carnations	Aphids Thrips Mites	1 tbsp.	1/2 tsp.
Cyperus	Bactra Moth Larvae	1 tbsp	1/2 tsp.
Day Lilies	Aphids Thrips	1 tbsp	1/2 tsp.
Roses (Outdoor Plants)	Aphids Leafhoppers Mites Thrips	1 tbsp	1/2 tsp.
Arborvitae	Aphids Bagworms Mites	2 tbsp	1 tsp.
Birch	Aphids Leaf Miners	1 tbsp.	1/2 tsp.
(tbsp. = tablespoonful) (tsp. = teaspoonful) (769-948 PM4 C. (Cygon 2E) (04-20-94)			

Ornamental Plants	Pests Controlled	Amt./3 Gals water	Amt./1/2 Gals water
Boxwood	Leaf Miners Mealy Bugs Mites	2 tbsp.	1 tsp.
Cedar	Mites	4 tbsp.	2 tsp.
Euonymus	Aphids Scale	2 tbsp.	1 tsp.
Gardenias	Tea Scale White Flies	2 tbsp.	1 tsp.
Gerberas	Thrips	2 tbsp.	1 tsp.
Gladiolus	Aphids Thrips	2 tbsp.	1 tsp.
Iris	Aphids Iris Borer Thrips	4 tbsp.	2 tsp.
Poinsettias (Outdoor)	Mites White Flies Mealy Bugs Aphids	2 tbsp.	1 tsp.
Ficus Nitida (Outdoor)	Thrips	2 tbsp.	1 tsp.
Hemlock	Mites Scale	2 tbsp.	1 tsp.
Juniper	Aphids Bagworms Midges Mites	4 tbsp.	2 tsp.
Oak	Golden Oak Scale	4 tbsp.	2 tsp.
Pine	Aphids Bagworms European Pine Shoot Moth Nantucket Pine Tip Moth Zimmerman Pine Moth	4 tbsp.	2 tsp.
Taxus	Fletcher Scale Mealy Bugs Mites	4 tbsp.	2 tsp.

Refer to label on container for Antidote and Complete Precautionary Statements.

IMPORTANT:

Read the entire Directions and Conditions of Sale before using this product.

DISCLAIMER: SureCo, Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the specific purposes referred to in the Directions of Use, subject to the inherent risks referred to above. SureCo, Inc. makes no other express or implied warranty of fitness, or merchantability, or any other express or implied warranty. In no case shall SureCo, Inc. be liable for consequential, special, or direct damages resulting from the use, handling, or application of this product.

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