

US ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF PESTICIDES PROGRAMS
REGISTRATION DIVISION (75-767)
WASHINGTON, DC 20460

EPA REGISTRATION NO.

16-160

DATE OF ISSUANCE

MAY 10 1993

TERM OF ISSUANCE

NAME OF PESTICIDE PRODUCT

Dragon Cygon 2E
Systemic Insecticide

NOTICE OF PESTICIDE: REGISTRATION
 REREGISTRATION

(Under the Federal Insecticide, Fungicide,
and Rodenticide Act, as amended)

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Dragon Corporation
P. O. Box 7311
7033 Walrond Drive, NW
Roanoke, VA 24019

5438471
161
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NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) section 3(c)(7)(A) provided that you:

1. Submit/cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

2. Make the labeling changes listed below before you release the product for shipment:

- a. Revise the EPA Registration Number to read, "EPA Reg. No. 16-160.
- b. In accordance with PR Notice 93-3 add the statement, "For terrestrial uses," to the beginning of the second sentence under the ENVIRONMENTAL HAZARDS section.
- c. Under the section "OUTDOOR HOUSEFLY CONTROL" the directions for use for Residual Wall Spray, Spot Sprays, and Maggot Sprays must be deleted from the label. These use directions are in direct conflict with the statement on the front panel "For Outdoor Homeowner Use Only". Also REMOVE recreational areas from the GENERAL INFORMATION and General Outdoor Use directions so that

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

DATE

MAY 10 1993

the section "OUTDOOR HOUSEFLY CONTROL" reads:

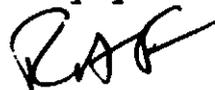
General Outdoor Use: To control houseflies around homes, garbage cans and animal quarters, mix 1 pint in 3 gallons of water and apply with a paintbrush or as a coarse spray to thoroughly cover exposed surfaces - such as walls, fences, garbage and refuse containers. Repeat applications should be made when necessary. DO NOT contaminate feed and foodstuffs, drinking fountains, water and feed troughs. DO NOT USE IN HOMES.

3. Submit one copy of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

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 constitutes acceptance of these conditions.

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

Sincerely yours,



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

Enclosure: 1) Stamped label
2) A-79 Enclosure

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[FRONT PANEL]

**DRAGON®
CYGON® 2E SYSTEMIC INSECTICIDE**

Controls insects on roses, azaleas, listed ornamentals, and listed vegetables.

ACTIVE INGREDIENT:

Dimethoate [0,0-dimethyl S-(N-methylcarbamoylmethyl)
phosphorodithioate] 23.4%

INERT INGREDIENTS: 76.6%

TOTAL: 100.0%

Contains 2 lbs. dimethoate per gallon.

[NOTE TO EPA: Front panel of label may include graphics representing product use; e.g., roses]

Keep Out of Reach of Children

WARNING

See back/side/other panel(s) for additional precautions.

NET CONTENTS 8 OZ / 1 PT (16 OZ)

**ACCEPTED
with COMMENTS
in EPA Letter Dated:**

MAY 10 1993

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

16-160

[BACK/SIDE/OTHER PANEL(S); BOOKLET WHEN NEEDED]

GENERAL INFORMATION: FOR OUTDOOR HOMEOWNER USE ONLY. DRAGON® CYGON® 2E SYSTEMIC INSECTICIDE controls soft-bodied insects such as aphids, leaf miners, mites, thrips and scale on ornamentals and vegetables listed below. It can also be used to control houseflies around homes and recreational areas, garbage cans, animal quarters, etc.

REQUIRED CLOTHING AND EQUIPMENT FOR APPLICATION: All applicators, including homeowners, must wear the clothing and protective equipment listed below.

1. Impermeable gloves (for example, rubber or plastic covered reinforced gloves).
2. Boots or boot covers.
3. Long-sleeved shirt and long pants.
4. Wide-brimmed hat.

DIRECTIONS FOR USE

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

ROSES, FLOWERS & ORNAMENTALS

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.

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Soil Drench: Apply as a soil drench around the base of plants in early spring at the rate of 4 Tbs. per 1 gallon of water for plants up to 6 feet tall. Increase this rate proportionately for larger plants.

Foliar Spray: Apply two sprays, six weeks apart the first year, followed by annual application soon after first growth begins in Spring.

Arborvitae: *Aphids, Bagworms, Mites* — Mix 2 tsp. in 1/2 gallon of water, (4 Tbs. in 3 gals.).

Azaleas: *Lace bugs, Leaf miners, Mites, Tea scale, White flies* — Mix 1 tsp. in 1/2 gallon of water, (2 Tbs. in 3 gals.).

Birch: *Aphids, Leaf miners* — Mix 1/2 tsp. in 1/2 gallon of water, (1 Tbs. in 3 gals.). For Leaf miners, apply when leaves are expanded (about mid-May) and repeat in early July. *Paint Method:* For Leafminers, undiluted DRAGON® CYGON® 2E Systemic Insecticide can be painted on the bark of the tree, which then absorbs the chemical into its "system" and carries it to the leaves with the sap. Paint a band of undiluted CYGON® 2E around the trunk below the lowest branches. The band must be equal in width to the diameter (thickness) of the trunk at the site painted, but no more than 6" in width. Make the first treatment when the buds break. Weather condition is important for correct timing of treatment. If weather is warm and buds break fast, apply when green tips are visible. In cold weather, wait until the leaves have almost completely unfolded. Make a second treatment 6 weeks after the first. Do not make more than two treatments per season. Newly planted trees and those with trunks less than 1 inch thick may be injured. DO NOT use on the trunk of any other trees, or severe injury may result.

Boxwood: *Leaf miners, Mealy bugs, Mites* — Mix 1 tsp. in 1/2 gallon of water, (2 Tbs. in 3 gals.). For Leaf miners, apply in spring when leaf miner flies first appear; or in early summer for control of larvae in the infested leaves.

Camellias: *Aphids, Camellia scale, Tea scale* — Mix 1 tsp. in 1/2 gallon of water, (2 Tbs. in 3 gals.).

Carnations: *Aphids, Mites, Thrips* — Mix 1 tsp. in 1/2 gallon of water, (2 Tbs. in 3 gals.).

Cedar: *Mites* — Mix 2 tsp. in 1/2 gallon of water, (4 Tbs. in 3 gals.).

Cypress: *Bactra moth larvae* — Mix 1 tsp. in 1/2 gallon of water, (2 Tbs. in 3 gals.). Apply as a drenching spray.

Day Lilies: *Aphids, Thrips* — Mix 2 tsp. in 1/2 gallon of water, (4 Tbs. in 3 gals.).

Euonymus: *Aphids, Scale* — Mix 1 tsp. in 1/2 gallon of water, (2 Tbs. in 3 gals.).

Fiscus Nitidia: *Thrips* — Mix 1 tsp. in 1/2 gallon of water, (2 Tbs. in 3 gals.). DO NOT use on potted plants.

Gardenias: *Tea scale, White flies* — Mix 1 tsp. in 1/2 gallon of water, (2 Tbs. in 3 gals.).

Gerberas: *Thrips* — Mix 1 tsp. in 1/2 gallon of water, (2 Tbs. in 3 gals.).

Gladiolus: *Aphids, Thrips* — Mix 1 tsp. in 1/2 gallon of water, (2 Tbs. in 3 gals.).

Hemlock: *Mites, Scale* — Mix 1 tsp. in 1/2 gallon of water, (2 Tbs. in 3 gals.).

Holly (English & American; NOT Buford variety): *Leaf miners, Mites, Soft scale* — Mix 1 tsp. in 1/2 gallon of water, (2 Tbs. in 3 gals.). For Leaf miners apply in spring when leaf miner flies first appear or in early summer for the control of larvae in infested leaves.

Iris: *Aphids, Iris borer, Thrips* — Mix 1 tsp. in 1/2 gals. of water, (2 Tbs. in 3 gals.). For Borer control, spray when new leaves are 5-6 inches tall.

Oak: *Golden oak scale* — Mix 2 tsp. in 1/2 gallon of water, (4 Tbs. in 3 gals.).

Pine, Juniper: *Aphids, Bagworms, European pine shoot moth, Midges, Mites, Nantucket pine tip moth, Zimmerman pine moth* — Mix 2 tsp. in 1/2 gallon of water, (4 Tbs. in 3 gals.).

Poinsettias (outdoor): *Aphids, Mealy bugs, Mites, White flies* — Mix 1 tsp. in 1/2 gallon of water, (2 Tbs. in 3 gals.).

Roses: *Aphids, Leafhoppers, Mites, Thrips* — Mix 1 tsp. in 1/2 gallon of water, (2 Tbs. in 3 gals.).

Taxus: *Fletcher scale, Mealy bugs, Mites* — Mix 2 tsp. in 1/2 gallon of water, (4 Tbs. in 3 gals.).

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VEGETABLES

Controls: Aphids, Leafhoppers, Leafminers, Lygus bugs, Mites, Mealybugs, Pepper maggots and Thrips on listed crops. Apply as a thorough foliar spray when insects or their damage first appear and repeat as necessary for control. DO NOT apply to any crop not listed on this label. Do not graze treated area or feed treated plant parts or ensilage to livestock. The number of days to be observed between the last application and harvest is shown in parentheses () after each crop.

Beans [Dry, Green, Lima and Snap] (0) — *Aphids, Leafhoppers, Leafminers, Lygus bugs, Mites* — Mix $\frac{2}{3}$ - $1\frac{1}{2}$, tsp. per gal. of water. Do not apply if the crop or weeds in the treatment area are in bloom if bees are visiting.

Broccoli (7), **Cabbage** (7), **Cauliflower** (7) — *Aphids* — Mix $\frac{2}{3}$ - $1\frac{1}{2}$, tsp. per gal. of water.
Collards (14), **Endive** [Escarole] (14), **Kale** (14), **Lettuce** (Head - 7, Leaf - 14), **Mustard Greens** (14), **Spinach** (14), **Swiss Chard** (14), **Turnip** (14) — *Aphids, Leafhoppers, Leafminers* — Mix $\frac{2}{3}$, tsp. per gal. of water.

Melons (3) — *Aphids, Leafhoppers, Leafminers, Thrips* — Mix $1\frac{1}{2}$, tsp. per gal. of water.

Peppers (0) — *Aphids, Leafminers, Pepper maggots* — Mix $\frac{2}{3}$ - $1\frac{1}{2}$, tsp. per gal. of water.

Potatoes (0), **Tomatoes** (7) — *Aphids, Leafhoppers, Leafminers* — Mix $\frac{2}{3}$ - $1\frac{1}{2}$, tsp. per gal. of water.

OUTDOOR HOUSEFLY CONTROL

General Outdoor Use: To control houseflies around homes and recreational areas, garbage cans and animal quarters, mix 1 pint in 3 gallons of water and apply with a paintbrush or as a coarse spray to thoroughly cover exposed surfaces—such as walls, fences, garbage and refuse containers, etc. Repeat applications should be made when necessary. DO NOT contaminate feed and foodstuffs, drinking fountains, water and feed troughs. DO NOT USE IN HOMES.

Residual Wall Spray: To control houseflies — 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 1 pint of DRAGON® CYGON® 2E Systemic Insecticide in 3 gallons of water. Thoroughly wet all fly resting areas to the point of runoff. One gallon of spray will cover 500 to 1000 sq. ft. of surface. Repeat applications should be made when necessary. REMOVE ALL ANIMALS from building when applying residual wall sprays.

Spot Sprays: For localized housefly control, apply a spray containing $\frac{1}{2}$ pint of DRAGON® CYGON® 2E Systemic Insecticide 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 housefly maggots, mix $\frac{1}{2}$ pint of DRAGON® CYGON® 2E Systemic Insecticide 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.

DO NOT use in the edible products area of food processing plants, restaurants, or other areas where food is commercially processed. DO NOT use in service areas where food is exposed. 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. DO NOT use in homes.

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PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

WARNING: May be fatal if swallowed. Avoid inhalation. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Avoid contamination of feed and foodstuffs.

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or Poison Control Center. Administer milk or water freely and **INDUCE VOMITING** by giving one dose (1/2 oz. or 15 ml.) of syrup if ipecac. If vomiting does not occur within 30 minutes, administer second dose. If syrup if ipecac is not available, induce vomiting by sticking finger down throat. Repeat until vomit fluid is clear. Do not give anything by mouth to an unconscious or convulsive 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. If irritation persists, get medical attention.

NOTE TO PHYSICIAN: This product may cause cholinesterase inhibition. Atropine is antidotal.

ENVIRONMENTAL HAZARDS: This pesticide is toxic to wildlife and aquatic invertebrates. Do not apply directly to water, 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 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: COMBUSTIBLE. Do not use, pour, spill or store near heat or open flame.

STORAGE AND DISPOSAL

STORAGE: Store only in original container, in a cool, dry place inaccessible to children and pets and away from feed and foodstuffs. Do not store below freezing temperatures.

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

CONTAINER DISPOSAL: Do not reuse empty container. Wrap container and put in trash collection.

NOTICE: Buyer assumes all risks of use, storage or handling of this material not in strict accordance with directions and precautions stated on this label.

CYGON® is a registered trademark of American Cyanamid Co.

Distributed by
DRAGON CORPORATION
Roanoke, VA 24019

