

JUL 3 1986

200/17 - 176,252/1

Woolfolk Chemical Works, Inc.  
P.O. Box 938  
Fort Valley, GA 31030

Gentlemen:

Subject: Security Brand Cygon 2E Systemic Insecticide  
EPA Registration No. 769-479  
Your Application Dated June 17, 1986

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), is acceptable subject to the comment listed below.

- Revise the preharvest interval for cabbage to read "7 days."

Submit five (5) copies 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,



William H. Miller  
Product Manager (16)  
Insecticide-Rodenticide Branch  
Registration Division (TS-767C)

Enclosures

88864:Miller:M-10:KENCO:6/30/86:7/10/86:DKD:VO

CONCURRENCES

|         |  |  |  |  |  |  |  |  |
|---------|--|--|--|--|--|--|--|--|
| SYMBOL  |  |  |  |  |  |  |  |  |
| SURNAME |  |  |  |  |  |  |  |  |
| DATE    |  |  |  |  |  |  |  |  |

ACCEPTED  
with COMMENTS  
In EPA Letter Dated:

JUL 3 1986

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

769-479

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 waste. Apply this product only as specified on this label. **PROTECT BEES:** This product is highly toxic to bees exposed to direct treatment or residues remaining on treatment area. Do not apply when bees are actively visiting the crop, cover crop or weeds blooming in the treatment area. Application should be timed to provide the maximum possible interval between treatment and the next period of bee activity.

#### PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame. Do not store below freezing temperatures.

#### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Store pesticide in original container and place in a locked storage area. Do not reuse container. Rinse thoroughly and securely wrap original container in several layers of newspaper and discard in trash.

**NOTICE:** The seller makes no implied warranty of merchantability nor any other warranties which extend beyond the description on this label.

022384001

DIRECTIONS FOR USE ON ATTACHED PAMPHLET.

Net Contents:  
8 Fluid  
Ounces  
Manufacturer  
WOOLFOLK  
CHEMICAL  
WORKS, INC.  
Fort Valley,  
Georgia



## Cygon\* 2-E

### Systemic Insecticide

For use on listed Ornamentals  
and Vegetables

#### ACTIVE INGREDIENT:

Dimethoate (0,0 dimethyl-S-[(N-methyl-  
carbamoylmethyl) phosphorodithioate] ... 23.4%

INERT INGREDIENTS: ... 76.6%

EPA Reg. No. 769-479

TOTAL 100.0%

EPA Est. 769 GA-1

\*Trademark of American Cyanamid Company

This product contains 2 pounds of Dimethoate per  
gallon.

#### STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person. IF INHALED: Remove victim to fresh air. Apply respiration if indicated. IF ON SKIN: Wash immediately with soap and water. IF IN EYES: Flush eyes for at least 15 minutes with plenty of water and get medical attention. **NOTE TO PHY-SICIAN:** This product may cause cholinesterase inhibition. Atropine is antidotal. Pralidoxime chloride (2-PAM, PROTO-PAM Chloride) may be effective as an adjunct to atropine.

#### PRECAUTIONARY STATEMENTS

##### HAZARDOUS TO HUMANS

**WARNING: HARMFUL OR FATAL IF SWALLOWED. VAPOR HARMFUL. CONCENTRATED MATERIAL CAUSES EYE IRRITATION.** Avoid breathing vapor or spray mist. Use only with adequate ventilation. Avoid contact with skin and eyes. Wash thoroughly after handling. Do not contaminate food or feed products.

**REQUIRED CLOTHING AND EQUIPMENT FOR APPLICATION:** All applicators, including homeowners, flappers and all personnel involved with the mixing, loading and transferring operations must wear the protective clothing and equipment enumerated below. 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 a wide-brimmed hat. Respirators must be worn by flappers and mixer/loaders. This product is designed for ground application only.

##### ENVIRONMENTAL HAZARDS

This product is toxic to birds and other wildlife. Keep out of lakes, streams and ponds. Do not apply to areas where runoff

KEEP OUT  
OF REACH  
OF CHILDREN.  
WARNING!

(See additional precautionary  
statements on side panel.)

8 OUNCE GLASS 3 1/2" x 8 3/4"



## Cygon® 2-E Systemic Insecticide

EPA Reg. No. 769-47

EPA Est. 769 GA 1

REFER TO LABEL FOR PRECAUTIONARY STATEMENTS.

### DIRECTIONS FOR USE

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

#### HOUSEFLIES

**RESIDUAL WALL SPRAYS:** For the control of houseflies, including resistant strains, in dairy barns, hog pens, calf barns, poultry houses and other farm buildings, apply a 1% residual spray to the ceiling walls, stanchions, etc. Prepare the spray by mixing 1 pint Cygon 2-E 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 square feet of surface. Repeat applications should be made when necessary. Remove all animals from building when applying residual wall sprays.

**CYCON 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 IN EDIBLE PRODUCT AREAS OF FOOD PROCESSING PLANTS, RESTAURANTS OR OTHER AREAS WHERE FOOD IS COMMERCIALY PREPARED OR PROCESSED. DO NOT USE IN SERVING AREA WHILE FOOD IS EXPOSED.**

**SPOT SPRAYS:** For localized housefly control, apply a spray containing 1/4 pint 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 housefly maggots, mix 1/4 pint 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 applications as additional manure or garbage is added.

FRONT

**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 Cygon 2-E in 3 gallons of water. Repeat applications should be made when necessary. **DO NOT CONTAMINATE FEED AND FEEDSTUFFS, DRINKING FOUNTAINS AND LITTER AND FEED TROUGHS. DO NOT USE IN MILK-PROCESSING ROOMS INCLUDING MILK HOUSES AND MILK STORAGE ROOMS. DO NOT USE IN HOMES.**

#### OUTDOOR ORNAMENTAL PLANTS

Security® Cygon 2-E is generally effective in controlling aphids, thrips, leafminers, scale, leafhoppers, mites and certain other insect pests as listed. For proper timing of treatments for the control of specific pests, consult your State Agricultural Extension Service. Make adequate sprays when pests appear or when damage is first observed. Do not overdose or over-spray. Do not use on ornamentals not listed. Do not use on any ornamental stock plants grown as a source of propagation material such as cuttings, layers, root stock or scions for grafting or budding. Do not use in spray residues containing oil. Do not use on plants growing in greenhouses. The uses below are for foliar sprays unless otherwise indicated.

**AZALEAS:** To control lace bugs, leafminers, mites, tea scale and whiteflies, apply 2 teaspoons per gallon of water.

**CAMELLIAS:** To control aphids, camellia scale, mites and tea scale, apply 2 teaspoons per gallon of water.

**FOLIAR SPRAY:** Apply 2 sprays 6 weeks apart the first year followed by annual application soon after 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 tablespoons per 1 gallon of water per plant up to 6 feet tall. Increase this rate proportionately for larger plants.

**CARNATIONS:** To control aphids, thrips and mites, apply 2 teaspoons per gallon of water as a foliar spray.

**SOIL DRENCH:** Apply as a soil drench at the rate of 4 fluid ounces per 500 square feet of bed or bench in sufficient water for even distribution. Water in thoroughly after application.

**STRESS:** To control aphids and thrips, apply 4 teaspoons per gallon.

**ROSES:** To control aphids, leafhoppers, mites and thrips, apply 1 teaspoon per gallon of water.

**APHORONYTAE:** To control aphids, bagworms and mites, apply 4 teaspoons per gallon of water.

**BIRCH:** To control aphids and leafminers, apply 1 teaspoon per gallon of water. For leafminers, apply when leaves are expanded (about mid-May) and repeat in early July.

**PAIN METHOD:** To control leafminers, undiluted Security® Cygon 2-E may be painted on the bark of the tree. The chemical

is then absorbed into the "system" of the tree and is carried by the sap to the leaves. Paint a band of undiluted Cygon 2-E around the trunk below the lowest branches. The width of this band must be equal to the thickness of the trunk at that location (maximum 6"). Make the first treatment when the buds break. Weather conditions are important for correct timing of treatment. If weather is warm and buds break fast, apply when green tips are visible. In cold weather it is better to 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:** To control leafminers, mealybugs and mites, apply 2 teaspoons per gallon of water. For leafminers, apply in spring when leafminer flies first appear or in early summer for control of larvae on the infested leaves.

**CEDAR:** To control bagworms and mites, apply 4 teaspoons per gallon of water.

**EUNYMIUS:** To control aphids and scale, apply 4 teaspoons per gallon of water.

**GARDENIAS:** To control tea scale and whiteflies, apply 2 teaspoons per gallon of water.

**GERBERAS:** To control thrips, apply 2 teaspoons per gallon of water.

**GRADOLUS:** To control aphids and thrips, apply 2 teaspoons per gallon of water.

**IRIS:** To control aphids, iris borer and thrips, apply 2 teaspoons per gallon of water. For borer control, spray when new leaves are 5 to 6 inches tall.

**POUNSETTIA:** To control mites, whiteflies, mealybugs and aphids, apply 2 teaspoons per gallon of water.

**FIGUS MITIDA:** To control thrips, apply 2 teaspoons per gallon of water. Do not use on potted plants.

**HOLLY (English and American - do not use an English variety):** To control leafminers, mites and soft scale, apply 2 teaspoons per gallon of water. For leafminers, apply in spring when leafminer flies first appear or in early summer for the control of larvae in infested leaves.

**HENLOCK:** To control mites and scale, apply 2 teaspoons per gallon of water.

**JUNIPER:** To control aphids, bagworms, midges and mites, apply 4 teaspoons per gallon of water.

**OAK:** To control golden oak scale, apply 4 teaspoons per gallon of water.

**PINE:** To control aphids, bagworms, European pine shoot moth, Hantucket pine tip moth and Zimmerman pine moth, apply 4 teaspoons per gallon of water.

BACK

**TAXUS:** To control Fletcher scale, mealybugs and mites, apply 4 teaspoons per gallon of water.

#### VEGETABLES

In the garden apply Security® Cygon 2-E as a foliage spray when insects or their damage is first noticed and repeat as necessary for control. Follow the recommended application timing and intervals for the vegetables listed. Do not apply to any crop not listed on this label. Rates are expressed by teaspoons per gallon of water. Consult the chart below for the amount of diluted spray to apply for specific row spacing. All rates are based on a broadcast rate of 150 gallons per acre. During early stages of growth, proportionately less spray will be required. Always spray for thorough coverage. Follow the time interval between last application and harvest indicated by the number in ( ) following each vegetable. A (0) indicates product can be used through day of harvest. Do not graze treated area or feed treated plant parts or ensilage to livestock.

| Amount of Dilute Spray per 100 Feet of Row When Spacing Is |                         |                         |                         |
|------------------------------------------------------------|-------------------------|-------------------------|-------------------------|
| 12 inches<br>1/2 Gallon                                    | 24 inches<br>1/4 Gallon | 36 inches<br>1/3 Gallon | 48 inches<br>1/2 Gallon |

**BEANS (Dry, Green, Lima and Snap) (0):** To control aphids, leafhoppers, leafminers, lygus bugs and mites, apply 1/2 to 1 1/2 teaspoons per gallon of water (1 to 2 pints per acre).

**BROCCOLI (7), CABBAGE (3) and CAULIFLOWER (7):** To control aphids, apply 1/2 to 1 1/2 teaspoons per gallon of water (1 to 2 pints per acre).

**COLLARDS (14), ENDIVE (Escarole) (14), KALE (14), LETTUCE (Head 7, Leaf 14), MUSTARD GREENS (14), SPINACH (14), SWISS CHARD (14) and TURNIPS (14):** To control aphids, leafhoppers and leafminers, apply 1/2 teaspoon per gallon of water (1 pint per acre).

**MELONS (3):** To control aphids, leafhoppers, leafminers and thrips, apply 1 1/2 teaspoons per gallon of water (1 quart per acre).

**PEPPERS (0):** To control aphids, leafminers and pepper maggots, apply 1/2 to 1 1/2 teaspoons per gallon of water (1 to 2 pints per acre).

**POTATOES (0) and TOMATOES (7):** To control aphids, leafhoppers and leafminers, apply 1/2 to 1 1/2 teaspoons per gallon of water (1 to 2 pints per acre).

WOOLFOLK CHEMICAL WORKS, INC.

Manufacturers

Fair Valley, Georgia