

829-251

3/26/2004

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

MAR 26 2004

Ms. Cynthia Huffman  
Registrations  
Southern Agr. Insecticides, Inc.  
P.O. Box 218  
Palmetto, FL 34220

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

D 330 257 / ~~SAIS~~  
5742494

Subject: EPA Reg. No. 829-251  
SA-50 Cygon 2E  
Label Amendment to Add First Aid  
Letter Dated July 11, 2003

Dear Ms. Huffman:

The label amendment you submitted for the product referred to above has been reviewed by the Agency and was found acceptable provided that you do the following:

1. Delete "Do not use in milk processing rooms, including milk houses and milk storage rooms" from the PRECAUTIONARY STATEMENT box (page 2). This language is not applicable to the current uses on the label.
2. Move "Do not apply this product by aerial application" from the PRECAUTIONARY STATEMENT box (page 2) to page 3 under DIRECTIONS FOR USE. An appropriate place is to add to the NOTE on irrigation restriction.
3. Add the following restriction under "ORNAMENTAL PLANTS GROWN IN OUTDOOR NURSERIES" on page 4. "Do not use on ornamental plants growing in greenhouses, shade houses, Christmas tree and conifer plantations, landscapes, interiorscapes and residential, public, recreational, commercial, industrial and institutional establishments."

A stamped copy of the draft label is enclosed for your records. Submit two (2) copies of your final printed labeling before you release the product for shipment. Should you have any questions, do not hesitate to contact the reviewer of this product, Mr. Suku Oonnithan at 703-605-0368.

Sincerely,

Daniel C. Kenny  
Product Manager (01)  
Insecticide Rodenticide Branch  
Registration Division (7505C)

Encl:

**S A SOUTHERN**  
**5 0 AG®**

# CYGON 2E

## DIMETHOATE SYSTEMIC INSECTICIDE

For commercial ornamental production in nurseries. Not for residential use. For the control of Leaf miners, Aphids, and certain other insects on Ornamentals and Vegetables.

**ACTIVE INGREDIENT:**

Dimethoate [O,O-dimethyl S-(N_methylcarbamoylmethyl) phosphorodithioate].....	23.0%
<b>INERT INGREDIENTS</b> .....	77.0%
<b>TOTAL</b> .....	100.0%

Contains Petroleum distillate.  
Contains 2 lbs. Dimethoate per gallon



0 51538 25414 4

**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 detail.  
(If you do not understand this label, find someone to explain it to you in detail.)

**FIRST AID**  
**ORGANOPHOSPHATE**

**IF SWALLOWED:** Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.

**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**IF INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for treatment advice.

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

Have product container or label with you when calling a poison control center or doctor or going for treatment. For information on this pesticide product (including health concerns, medical emergencies, or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378

See inside of label for Additional Precautionary Statements.

EPA EST. NO. 829-FL-1 (3); 829-NC-1 (4); 829-NC-2 (5) Number following Est. No. corresponds to first digit in Lot No. on side of label.

**SOUTHERN AGRICULTURAL INSECTICIDES, INC.**

Palmetto, FL 34220

Hendersonville, NC 28793

Boone, NC 28607

EPA Reg. No. 829-251 J7 **Net Contents Liquid: 1 Gallon ( 3.785 liters)**

PULL DOWN SLOWLY

Lot No.

**ACCEPTED**  
**with COMMENTS**  
**In EPA Letter Dated:**  
MAR 26 2004  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for sale and use  
registered under the Act.  
829-251

2/5

**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. Do not apply this product by aerial application.

**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 G on an EPA chemical resistance category selection chart.

**Applicators and other handlers must wear:**

- 1. Coveralls over short-sleeved shirt and short pants
- 2. Chemical-resistant gloves, such as barrier laminate or viton
- 3. Chemical-resistant footwear plus socks
- 4. Protective eyewear
- 5. Chemical-resistant headgear for overhead exposure
- 6. Chemical-resistant apron when cleaning equipment

**Mixers and loaders must wear:**

- 1. Coveralls over short-sleeved shirt and short pants
  - 2. Chemical-resistant gloves, such as barrier laminate or viton
  - 3. Chemical-resistant footwear plus socks
  - 4. Protective eyewear
  - 5. Chemical-resistant headgear
  - 6. Chemical-resistant apron when mixing or loading
  - 7. For exposures in enclosed areas, use a respirator with either an organic vapor removing cartridge with a refilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G).
- For exposures outdoors, use 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 and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**USER SAFETY RECOMMENDATIONS**

Users should:

- 1. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- 2. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- 3. 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 product 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. Apply this product only as specified on this label.

**PHYSICAL AND CHEMICAL HAZARDS**

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

## 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.

### 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 of 48 hours. PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and involves contact with anything that has been treated, such as plants, soil, or water, is:

1. Coveralls over short-sleeved shirt and short pants.
2. Chemical-resistant gloves, such as barrier laminate or viton
3. Chemical-resistant footwear plus socks
4. Protective eyewear
5. 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, forests, nurseries, or greenhouses. Keep children and pets off treated area until spray has dried.

SA-50 Cygon 2E Dimethoate Systemic Insecticide controls certain soft bodied insects such as aphids, leaf miners, mites, thrips and scales on ornamentals and certain vegetables as listed below.

Mix this material with water, using the rates shown below. The addition of a spreader-sticker at the proper label rate will aid in spray retention. Spray plants in a manner that will uniformly coat upper and lower surfaces of foliage. Applications should be started as soon as insects are observed and repeated at 7 to 10 day intervals as long as needed. On vegetables listed below, the interval in days between the last application of this product and harvest is shown in parenthesis after each crop

NOTE: Do not apply this product through any type of irrigation system.

## ORNAMENTAL PLANTS GROWN IN OUTDOOR NURSERIES

When applying to ornamentals spray until wet and make full cover sprays at the specified intervals. For the proper timing for the control of specific pests, consult your state agricultural extension service.

**AZALEAS:** For the control of Leaf Miners, Lace Bugs, Mites, Tea Scale, and White Flies mix 1 Quart per 100 gallons (2 teaspoonfuls per gallon) of water.

**BIRCH:** For the control of aphids and leafminers mix 1 Pint per 100 gallons (1 teaspoonful per gallon) of water. For leafminers, apply when leaves are expanded (about mid-May) and repeat in early July.

**PAINT METHOD:** To control leafminers, an application to the bark can be made. The material will be absorbed and carried by the sap up to the leaves. To apply, paint a band of undiluted SA-50 Cygon 2E Dimethoate Systemic Insecticide around the trunk of the tree below the lowest branches. The width of the band must be equal to the thickness of the trunk at that location (maximum 6"). Make first treatment at bud break. Weather conditions are important for the correct timing of treatment. If weather is warm and buds break fast than apply when green tips are visible. If weather is cold apply when leaves are almost completely unfolded. Make a second application 6 weeks after the first. Do not make more than two applications per season. Newly planted trees or those with trunks less than 1 inch in diameter may be injured. Do not apply to the trunk of any other tree or severe injury may result.

**BOXWOOD:** For the control of Leaf Miners, Mealy Bugs, and Mites mix 1 Quart per 100 gallons (2 teaspoonfuls per gallon) of water.

**CAMELLIAS:** For the control of aphids, camellia scale, mites, and tea scale mix 1 Quart per 100 gallons (2 teaspoonfuls per gallon) of water.

**FOLIAR SPRAY:** Apply 2 sprays 6 weeks apart the first year followed by annual applications after growth begins in the spring.

**SOIL DRENCH:** Apply as a soil drench around the base of plants in early spring. Mix 4 tablespoonfuls per gallon of water and apply 1 gallon of solution per plant up to 6 feet tall. For larger plants, the rate should be increased proportionately.

**EUONYMUS :** For the control of Aphids and Scale mix 2 Quarts per 100 gallons (4 teaspoonfuls per gallon) of water.

**GLADIOLUS :** For the control of Aphids and Thrips mix 1 Quart per 100 gallons (2 teaspoonfuls per gallon) of water.

**HEMLOCK:** For the control of Mites and Scale mix 1 Quart per 100 gallons (2 teaspoonfuls per gallon) of water.

**JUNIPER:** For the control of Aphids, Leafhoppers, Mites, and Thrips mix 2 Quarts per 100 gallons (4 teaspoonfuls per gallon) of water.

**ROSES:** For the control of Aphids, cucumber beetle, leafhoppers, mites and thrips, mix 1 pint per 100 gallons (1 teaspoonful per gallon) of water and apply to the point of run-off.

## VEGETABLES

Use the higher rate if insect infestation is high and use a lower rate if pest level is low. Use the rate given below with 40-100 gallons of water per acre.

The interval in days between the last application of this product and harvest is shown in parentheses after each crop.

**BEANS (2) - 1-2 Pints per acre- Aphids, Leafhoppers, Leaf Miners, Mites, Mealy Bugs**

**BROCCOLI (7), CAULIFLOWER (7), LEAF LETTUCE (14), SPINACH (14), COLLARDS (14), KALE (14), TURNIP (14), MUSTARD (14), SWISS CHARD (14), ENDIVE (14) - 1 Pint per acre - Aphids, Leafhoppers, Leaf Miners**

**MELONS (3) - 1-2 Pints per acre - Aphids, Leafhoppers, Leaf Miners**

**PEAS, (2), POTATOES (2), TOMATOES (7) - 1-2 Pints per acre - Aphids, Leaf Miners**

NOTE: Do not make more than one (1) application per season on peas.

This pesticide is highly toxic to bees in treatment area. Do not apply to peas (lentils), beans (lupine), or melons if bees are visiting the areas to be treated when crop or weeds are in bloom.

## STORAGE AND DISPOSAL

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

**Storage:** Store product in original container in a cool, dry, locked place out of reach of children and pets.

**Pesticide Disposal :** Wastes resulting from the use of this product may be disposed of on site or at an approved waste facility.

**Container Disposal :** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incinerate, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Buyer assumes all risks of use, storage or handling of this material not in strict accordance with the instructions and precautions given herewith.

5/5