



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

APR 12 2004

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Marla K. Jackson
Agent for Vol. Purchasing Groups, Inc.
2001 Diamond Ridge Dr
Carrollton, TX 75010-4509

Subject: EPA Reg. No. 7401-338
Hi-Yield® Cygon Systemic Insect Spray
Label Amendment:
Your Letter Dated September 23, 2002

Dear Ms. Jackson:

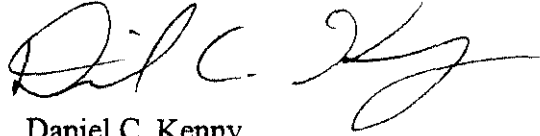
The label amendment you submitted for the product referred to above has been reviewed by the Agency and is acceptable provided you address the following:

1. Replace "See First Aid Statements on Back/Side Label Panel" on (page 1) with "See First Aid and Precautionary Statements on Back/Side Label Panel"
2. Add the following paragraph after the "NON-AGRICULTURAL USE REQUIREMENTS" box and before the use directions for ornamentals:
"ORNAMENTAL PLANTS GROWN IN NURSERIES ONLY: Do not use on ornamental plants grown in greenhouses, shade houses, Christmas tree and conifer plantations, landscapes, interiorscapes and residential, public, recreational, commercial, industrial and institutional establishments."
3. Move the "FIRST AID" box before the "PRECAUTIONARY STATEMENTS" section (page 5) and move both sections to page 2 before the "directions for use." The Agency wants the user to read the safety statements before they get to the use directions.
4. Move the "PERSONAL PROTECTIVE EQUIPMENT, USER SAFETY RECOMMENDATIONS, ENVIRONMENTAL HAZARDS and PHYSICAL AND CHEMICAL HAZARDS" sections to page 2 before the "AGRICULTURAL REQUIREMENTS AND NON AGRICULTURAL REQUIREMENTS" boxes. Grouping these safety related language before the use directions on the label gets better visibility.

EPA Reg. No. 7401-338 contd ...

A stamped copy of the draft label is enclosed for your records. Submit two (2) copies of the 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. S. Oonnithan at 703-605-0368.

Sincerely,



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

Encl.

[FRONT LABEL PANEL]

Hi-Yield® Cygon Systemic Insect Spray

ACCEPTED
with COMMENTS
In EPA Letter Dated:
APR 12 2004
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under EPA Reg. No.
7401-338

For Commercial and Agricultural Use Only

- Kills Damaging Insects on Listed Outdoor Nursery Grown Trees, Shrubs, Flowers and Vegetable Crops(optional statement)
- Systemic Action (optional statement)
- Kills Aphids, Thrip, Leafhoppers, Leafminers, Whiteflies, Bagworms, Mites, Mealybugs, Scale Insects & Others Listed

ACTIVE INGREDIENT:

Dimethoate: 0,0-Dimethyl
S-(N-methylcarbamoylmethyl) phosphorodithioate 12.00%

OTHER INGREDIENTS*: 88.00%
TOTAL: 100.00%

1 Gallon contains 0.95 Pounds of Dimethoate

*Contains Petroleum Distillate.

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 this label, find someone to explain it to you in detail.)

See First Aid Statements on Back/Side Label Panel

NET CONTENTS _____

[BACK/SIDE LABEL PANEL]

Directions for Use: It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Do not use in ornamental and vegetable crops grown in greenhouses.

Do not apply by aircraft.

Keep children and pets off treated areas until treated surfaces have dried completely.

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

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 registration.

AGRICULTURE 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 (REI) of 48 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 short-sleeved shirt and pants, chemical-resistant gloves, such as barrier laminate, butyl rubber, nitrile rubber or vitron; chemical-resistant footwear plus socks and protective eyewear, and 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 for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agriculture plants on farms, forests, nurseries, or greenhouses.

Keep children and pets out of the treated area until sprays have dried.

Use on Nursery Grown Ornamentals as Listed Below to Kill the Following: Thrips, Aphids, Leafhoppers, Bagworms, Leafminers, Mites, Mealybugs, Lace Bugs, Whiteflies, Tea Scales, Camellia Scales, Iris Borer, Midges, Grasshoppers, Fleahoppers, Mexican Bean Beetles, Bean Leaf Beetle, Golden Oak Scale, European Pine Shoot Moth, Nantucket Pine Tip Moth, Zimmerman Pine Moth, Fletcher Scale, Lygus Bugs, Pepper Maggots, Banks Grass Mites, and Loblolly Pine Sawfly.

[BACK/SIDE LABEL PANEL CONT'D]

Apply using commercially available mechanical or pressure driven spray equipment that will deliver adequate coverage to plant foliage. DO NOT overspray. DO NOT use on trees, shrubs, flowers, vegetables or any other plant not listed on this label.

TREES, SHRUBS & FLOWERS -

For Foliar Sprays on AZALEAS, CAMELLIAS, CARNATIONS, ROSES, BOXWOODS, GARDENIAS, GERBERAS, GLADIOLUS, IRIS, POINSETTIAS, TICUS, NITIDA, HOLLY (Do not use on Burford Variety) & HEMLOCK - Apply at a rate of 1 pint Hi-Yield Cygon Systemic Insect Spray per 24 gallons of water. Unless otherwise directed below, retreat every 6 weeks as needed to maintain insect control. **For CYPRESS, ARBORVITAE, CEDAR, EUONYMUS, JUNIPER, OAK, PINE & TAXUS** - Apply at a rate of 1 pint Hi-Yield Cygon Systemic Insect Spray per 12 gallons of water. See Ornamental Varieties listed below for additional application methods. Repeat applications every 6 weeks as needed to maintain insect control.

For CAMELLIAS - When applied as a foliar spray, apply at a rate of 1 pint Hi-Yield Cygon Systemic Insect Spray per 24 gallons of water and make applications 6 weeks apart the first year followed by annual applications soon after growth begins in the Spring. **As a soil drench**, apply around the base of plants in early Spring at the rate of 4 fluid ounces per 1 gallon of water per plant up to 6 feet tall. Increase the rate proportionately for larger plants.

For CARNATIONS - Soil Drench: Apply as a soil drench at the rate of 8 fluid ounces per 500 square feet of bed or bench in sufficient water (2 to 5 gallons) for even distribution. Water in thoroughly after application.

For BIRCH - Paint Method: To control Leafminers, undiluted Hi-Yield Cygon Systemic Insect Spray may be painted on the bark of the tree using a heavy paint brush. The chemical is absorbed into the system of the tree and carried by sap to the leaves. Paint a band around the trunk below the lowest limb growth. Band width must be equal to trunk thickness at the treated location (maximum 6"). Make first application when buds break. If weather is warm and buds break fast, apply when green tips are visible. In cold weather, wait until leaves completely unfold. Make 2 applications 6 weeks after first and no more than 2 treatments per season. Newly planted trees and those with trunks less than 1 inch may be damaged. Do not use on trunk of any other tree or severe damage may result.

For IRIS - For Borer control, when applied as a foliar spray when leaves are 5 to 6 inches tall, apply at a rate of 1 pint Hi-Yield Cygon Systemic Insect Spray per 24 gallons of water.

For BOXWOOD (Do not use on Burford Variety) & HOLLY - For leafminers, apply at a rate of 1 pint Hi-Yield Cygon Systemic Insect Spray. Apply in Spring when Leafminer flies first appear or in early summer for control of larvae in infested leaves.

VEGETABLES -

Apply using commercially available mechanical or pressure driven spray equipment that will deliver adequate coverage to plant foliage. DO NOT apply to vegetables not listed on this label. Number in parenthesis for recommended crops indicates the maximum number of pints per acre. Use the higher rates under conditions of severe insect pest pressure.

[BACK/SIDE LABEL PANEL CONT'D]

For Use on Vegetable Crops as Listed Below to Kill the Following: Aphids, Leafhoppers, Leafminers, Mites, Lygus Bugs, Bean Leaf Beetle, Mexican Bean Beetle, Thrips, and Maggots.

Dilute Application: Ground Application for Field & Vegetable Crops: Apply specified rate in 20 to 100 gallons of water per acre.

Concentrate Application: Ground Application: Apply specified rate in not less than 5 gallons of water per acre.

Beans (green, lima, snap and dry): Aphids, Leafhoppers, Leafminers, Mites, Lygus Bugs, Bean Leaf Beetle, Mexican Bean Beetle - Apply 1-1/5 to 2½ pints per acre. Do not apply within 2 days of harvest. Do not feed treated vines to livestock. This pesticide is highly toxic to bees, do not apply if bees are visiting the areas to be treated when crop or weeds are in bloom. (2½)

Broccoli, Cabbage & Cauliflower: Aphids - Apply 1-1/5 to 2½ pints per acre. Do not apply within 7 days of harvest. (2½)

Lettuce (head): Aphids, Leafhoppers, Leafminers - Apply 1-1/5 pint per acre. Do not apply within 7 days of harvest. (1-1/5)

Lettuce (Leaf); Collards; Kale; Mustard Greens; Spinach; Swiss Chard; Turnips (greens & roots): Aphids, Leafhoppers, Leafminers - Apply 1-1/5 pint per acre. Do not apply within 14 days of harvest. (1-1/5)

Melons (except watermelon): Aphids, Leafhoppers, Leafminers, Thrips - Apply 2½ pints per acre. Do not apply with 3 days of harvest. (2½)

Peppers: Aphids, Leafminers, Maggots - Apply 1-1/5 to 1½ pint per acre. Do not apply within 2 days of harvest. (1½)

Peas: Aphids - Apply ¾ pint per acre. Do not apply within 2 days of harvest. Do not feed or graze hay within 21 days after last application when a stationary viner is used. Do not feed or graze when a mobile viner is being used. This pesticide is highly toxic to bees, do not apply if bees are visiting the areas to be treated when crop or weeds are in bloom. Make no more than one application per growing season. (¾)

Potatoes: Aphids, Leafhoppers, Leafminers - Apply 1-1/5 to 2½ pints per acre. Do not apply within 2 days of harvest. (2½)

Tomatoes: Aphids, Leafhoppers, Leafminers - Apply 1-1/5 to 2½ pints per acre. Do not apply within 7 days of harvest. (2½)

[BACK/SIDE LABEL PANEL CONT'D]

STORAGE & DISPOSAL

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

Storage: Store in a cool, dry, well ventilated area. Avoid temperatures below 32°F, or above 90°F.

Container Disposal: *Metal* - Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. *Plastic* - Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Pesticide Disposal: Pesticides 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.

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS & DOMESTIC ANIMALS
WARNING-AVISO**

May be fatal if swallowed. Harmful if inhaled or absorbed through skin. Causes moderate eye irritation. Avoid breathing vapor or spray mist. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco. Use only with adequate ventilation. Remove contaminated clothing and wash clothing before reuse.

FIRST AID ORGANOPHOSPHATE PESTICIDE	
If Swallowed	<ul style="list-style-type: none"> • Call poison control center or doctor immediately for treatment advice. • 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 Inhaled	<ul style="list-style-type: none"> • Move victim to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
If on Skin or Clothing	<ul style="list-style-type: none"> • 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 in Eyes	<ul style="list-style-type: none"> • 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.
<p>Have the product container or label with you when calling a poison control center or doctor, or going for help. You may also want to contact 911 for emergency medical treatment information.</p>	
<p>NOTE TO PHYSICIAN: Atropine is antidotal. Pralidoxime chloride may be effective as an adjunct to atropine. This product may cause cholinesterase inhibition. This product contains petroleum distillate. Vomiting may cause aspiration pneumonia and may result in severe lung damage. If swallowed, stomach contents should be excavated quickly in a manner which avoids aspiration. Otherwise, treatment should be directed at the control of symptoms and clinical condition.</p>	

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 (F) on the EPA chemical resistance category selection chart.

Applicators and other handlers must wear: Coveralls over short-sleeved shirt and short pants, chemical-resistant gloves, such as barrier laminant, butyl rubber, nitrile rubber or vitron; chemical-resistant footwear plus socks, protective eyewear; chemical-resistant headgear for over-head exposure, and chemical-resistant apron when cleaning equipment, mixing or loading.

For exposures in enclosed areas, a respirator with either an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (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.

Engineering control statements: When handlers used closed systems or enclosed cabs in a manner that meets with requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

[BACK/SIDE LABEL PANEL CONT'D]

USER SAFETY RECOMMENDATIONS

Users should:

Wash hands before eating, drinking, chewing gum, using tobacco or using toilet.

Remove clothing immediately if pesticides gets inside. Then was 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. 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 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 & CHEMICAL HAZARDS

Combustible. Do not use, pour, spill or store near heat or open flame.

NOTICE: Buyer assumes all risks of use, storage, and handling of this material not in strict accordance with directions and precautions given herewith.

Manufactured by:

Voluntary Purchasing Groups, Inc.

P.O. Box 460

Bonham, TX 75418

EPA Reg. No. 7401-338

EPA Est. No. 7401-TX-1