



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

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

Diana Williams
Value Garden Supply
P.O. Box 585
St. Joseph, MO 64502

OCT 8 2008

Dear Ms. Williams:

Subject: Labeling Amendment; Revisions According to Dimethoate IRED
Pratt Cygon 2E Systemic Insecticide
EPA Registration No. 769-948
Submission Date: September 30, 2008

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable. The following comment applies:

1. Should you wish to retain the company's website on your label, then please be aware that the language presented in the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to the false and misleading provisions of 40 CFR 156.10(a)(5). Therefore should the Agency find or if it is brought to our attention that a website contains claims substantially differing from the EPA approved section 3 registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

Further label amendments may be required once the product specific data have been reviewed. A stamped copy is enclosed for your records. Please submit one (1) final printed copy for the above mentioned label before releasing the product for shipment. If you have any questions regarding this label, please contact me at (703) 306-0415.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Kable Bo Davis".

Kable Bo Davis
Entomologist
Insecticide-Rodenticide Branch
Registration Division (7505P)

Enclosure- Stamped Labeling

PRATT

Cygon 2E* ^{2/4} Systemic Insecticide

ACCEPTED
OCT 8 2008
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under
EPA Reg. No. 769-948

INTENDED FOR USE BY
NURSERY PROFESSIONALS ONLY
NOT INTENDED FOR HOMEOWNER USE

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 Cyanamid Co. EPA Reg. No. 769-948
** Contains xylene range aromatic solvent EPA Est. No. 44616-MO-1
1 Gallon Contains 2 Pounds of Dimethoate

NET CONTENTS: ONE GALLON

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.)

FIRST AID

If swallowed:

- Call a poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to do so by the poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

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 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 Inhaled:

- Move person 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.

Note to Physician: Dimethoate may cause cholinesterase inhibition. Atropine is antidotal. 2 PAM may be effective adjunct to atropine. Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For additional information on this pesticide product (including health concerns, medical emergencies, or pesticide incidents), call the national Pesticide Information Center at 1-800-858-7378, seven days a week from 6:30 a.m. to 4:30 p.m. Pacific time. For first aid treatment advice after 4:30 p.m., call your poison control center.

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. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Avoid contact with eyes and skin. 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

Some materials that are chemical-resistant to this product are barrier laminate, butyl or nitrile rubber or viton. If you want more options, follow the instructions for category B and F on an EPA chemical resistance category selection chart.

Mixers, loaders, applicators, flaggers and other handlers must wear long-sleeved shirt and long pants, shoes plus socks, chemical-resistant gloves, a NIOSH-approved dust mist filtering respirator with MSHA/NIOSH approval number prefix TC-21C or a NIOSH-approved respirator with any R,P, or HE filter, and chemical resistant apron when mixing, loading, cleaning up spills or cleaning equipment.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

See Engineering Controls for additional requirements and exceptions.

ENGINEERING CONTROLS

Mixers and loaders must wear the personal protective equipment required on this labeling for mixers/loaders, except no respirator is required; wear protective eyewear, if the system operates under pressure; and be provided and have immediately available for use in an emergency, such as a broken package, spill, or equipment breakdown, chemical-resistant footwear and a respirator of the type specified in the PPE section of this labeling.

Pilots must use an enclosed cockpit that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(6)]. Pilots need not wear the PPE required in this labeling for applicators, but must wear at least a long-sleeve shirt, long pants, shoes, and socks.

When handlers use closed systems, or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.240(d)(4-5), the handler PPE requirements may be reduced or modified as specified in the WPS.

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

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash water or rinsate.

Dimethoate is known to leach through soil into ground water under certain conditions as a result of label use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground-water contamination.

This product may contaminate water through drift of spray in wind. This product has a high potential for runoff for several days after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product.

A level, well maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams and springs will reduce the potential for contamination of water from rainfall-runoff. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours.

A vegetative filter strip constructed and maintained in accordance with the 2000 Natural Resources Conservation Service publication "Conservation Buffers to Reduce Pesticide Losses (<http://www.nrcs.usda.gov/feature/buffers/>) will significantly reduce the potential for contamination of water from rainfall-runoff.

PHYSICAL AND CHEMICAL HAZARDS

Combustible. Do not use, pour, 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 through any type of irrigation system. This product is for use in commercial setting only. Use in residential settings is prohibited. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

High Pressure Handwand Equipment: When applications are made by high-pressure handwand equipment, the maximum application rate for all crops and use-patterns is 0.0025 pounds active ingredient (one teaspoon of this product) per gallon.

Requirements for Reducing Spray Drift

Do not apply under circumstances where possible drift to unprotected persons or to food, forage, or other plantings that might be damaged or crops thereof rendered unfit for sale, use, or consumption can occur.

- 1) Use the largest droplet size consistent with acceptable efficacy. Formation of very small droplets may be minimized by appropriate nozzle selection, by orienting nozzles away from the air stream as much as possible, and by avoiding excessive spray boom pressure. For ground boom applications, use medium or coarser spray nozzles according to ASAE 572 definition for standard nozzles or a volume mean diameter (VMD) of 300 microns or greater for spinning atomizer nozzles.
- 2) Make applications when the wind velocity favors on-target product deposition. Apply only when the wind speed is less than or equal to 10 mph. For all non-aerial applications, wind speed must be measure adjacent to the application site on the upwind side, immediately prior to application.
- 3) Do not make applications into areas of temperature inversions. Inversions are characterized by stable air and increasing temperatures with increasing distance above the ground. Mist or fog may indicate the presence of an inversion in humid areas. Where permissible by local regulations, the applicator may detect the presence of an inversion by producing smoke and observing a smoke layer near the ground surface.
- 4) Low humidity and high temperatures increase the evaporation rate of spray droplets and therefore the likelihood of increased spray drift. Avoid spraying during conditions of low humidity and/or high temperatures.
- 5) All application equipment must be properly maintained and calibrated using appropriate carriers.

- 6) For groundboom applications, apply with nozzle height no more than 4 ft above the ground or crop canopy.
- 7) For aerial applications, turn off outward pointing nozzles at row ends and when spraying the outer two rows. To minimize spray loss over

3/4

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 the 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). 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. Notify workers of the application by warning them orally and by posting warning signs at entrances to treated area.

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.

OUTDOOR ORNAMENTAL PLANTS GROWN IN NURSERIES

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.

Note: For herbaceous ornamentals listed below, the maximum application rate is 0.25 lbs. a.i./acre. The maximum total rate per year is 0.25 lbs. a.i./acre. The REI is 48 hours.

For woody ornamentals listed below and pine Christmas tree nurseries, the maximum application rate is 1.0 lbs. a.i./acre. Repeat applications may be made at a 14 day interval. The maximum total rate per year is 3.0 lbs. a.i./acre. The REI is 10 days; however, the REI is increased to 14 days in outdoor areas where the average annual rainfall is less than 25 inches per year.

The following uses are foliage sprays unless otherwise indicated.

Azaleas to control Lace Bugs, Leafminers, Mites, Tea Scales, White Flies: Mix 2 tbsp. in 3 gallons of water or 1 tsp. in 1/2 gallon of water. Injury may occur on certain varieties if applied in spray mixtures containing oil.

Camellias to control Aphids, Camellia Scale, Tea Scale: Mix 1 tbsp. in 3 gallons of water or 1/2 tsp. in 1/2 gallon of water. **Foliar Spray:** Apply 2 sprays 6 weeks apart the first year followed by annual applications soon after first 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 tbsp. per gallon of water per plant up to 6 feet tall. Increase this rate proportionately for larger plants. Injury may occur on certain varieties if applied in spray mixtures containing oil.

Carnations to control Aphids, Thrips, Mites: Mix 1 tbsp. in 3 gallons of water or 1/2 tsp. in 1/2 gallon of water. **Soil Drench:** Apply as a soil drench at the rate of 4 fl. oz./500 sq. ft. of bed or bench; (5 qts. Per 1/2 acre) in sufficient water for even distribution. Water in thoroughly after application.

Cyperus to control Bactra Moth Larvae: Mix 1 tbsp. in 3 gallons of water or 1/2 tsp. in 1/2 gallon of water.

Day Lilies to control Aphids, Thrips: Mix 1 tbsp. in 3 gallons of water or 1/2 tsp. in 1/2 gallon of water. Do not use on Easter Lilies since injury may occur.

Roses (Outdoor Plants) to control Aphids, Leafhoppers, Mites, Thrips: Mix 1 tbsp. in 3 gallons of water or 1/2 tsp. in 1/2 gallon of water. Apply as drenching spray.

Arborvitae to control Aphids, Bagworms, Mites: Mix 2 tbsp. in 3 gallons of water or 1 tsp. in 1/2 gallon of water.

Birch to control Aphids, Leafminers: Mix 1 tbsp. in 3 gallons of water or 1/2 tsp. in 1/2 gallon of water. For Leafminers, apply when leaves are expanded (about mid May) and repeat in early July.

Boxwood to control Leafminers, Mealy Bugs, Mites: Mix 2 tbsp. in 3 gallons of water or 1 tsp. in 1/2 gallon of water. For Leafminers apply in spring when Leafminers flies first appear or in early summer for control of larvae in the infested leaves.

Cedar to control Mites: Mix 4 tbsp. in 3 gallons of water or 2 tsp. in 1/2 gallon of water.

Euonymous to control Aphids, Scale: Mix 2 tbsp. in 3 gallons of water or 1 tsp. in 1/2 gallon of water.

Gardenias to control Tea Scale, White Flies: Mix 2 tbsp. in 3 gallons of water or 1 tsp. in 1/2 gallon of water.

Gerberas to control Thrips: Mix 2 tbsp. in 3 gallons of water or 1 tsp. in 1/2 gallon of water.

Gladiolus to control Aphids, Thrips: Mix 2 tbsp. in 3 gallons of water or 1 tsp. in 1/2 gallon of water.

Iris to control Aphids, Iris Borer, Thrips: Mix 4 tbsp. in 3 gallons of water or 2 tsp. in 1/2 gallon of water. For Borer control, spray when new.

Poinsettias (Outdoors) to control Mites, White Flies, Mealy Bugs, Aphids: Mix 2 tbsp. in 3 gallons of water or 1 tsp. in 1/2 gallon of water.

Do not use on potted plants.

Ficus Nitida (Outdoors) to control Thrips: Mix 2 tbsp. in 3 gallons of water or 1 tsp. in 1/2 gallon of water.

Hemlock to control Mites, Scales: Mix 2 tbsp. in 3 gallons of water or 1 tsp. in 1/2 gallon of water.

Juniper to control Aphids, Bagworms, Midges, Mites: Mix 4 tbsp. in 3 gallons of water or 2 tsp. in 1/2 gallon of water.

Oak to control Golden Oak Scale: Mix 4 tbsp. in 3 gallons of water or 2 tsp. in 1/2 gallon of water.

Pine to control Aphids, Bagworms, European Pine Shoot Moth, Nantucket Pine Tip Moth, Zimmerman Pine Moth: Mix 4 tbsp. in 3 gallons of water or 2 tsp. in 1/2 gallon of water.

Taxus to control Fletcher Scale, Mealy Bugs, Mites: Mix 4 tbsp. in 3 gallons of water or 2 tsp. in 1/2 gallon of water.

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 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.



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