

499-367

10-24-2003

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



OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

OCT 24 2003

Ms. Dana Thompson  
Whitmire Micro-Gen  
3568 Tree Court Industrial Blvd.  
St. Louis, MO 63122-6682

Dear Ms. Thompson:

Subject: Labeling Submitted in Response to the Chlorpyrifos IRED  
Dur-O-Cap  
EPA Reg. No. 499-367  
Your Submission Dated April 16, 2003

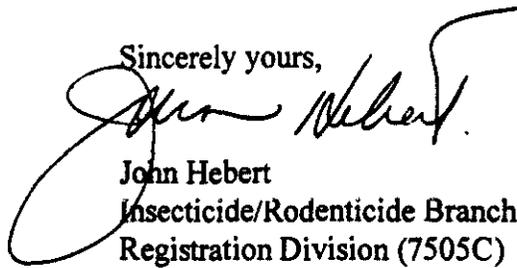
The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable provided you make the following changes before you release the product for shipment bearing the amended labeling:

1. Delete "Supplemental Label" everywhere it appears. The complete label should adequately fit on a 1 quart container. Please explain.
2. Because your product is applied as a spray to outdoor products, you must add the spray drift restrictions listed on page 108 of Table 37.
3. Because your product is a liquid formulation packaged in a container larger than 2.5 gallons, engineering controls are required. Add the controls listed on Table 37, page 103.

Approval of this labeling amendment does not constitute approval of your application for reregistration of this product. Product reregistration is currently pending and future labeling amendments and/or additional data may be required.

Submit two copies of your final printed labeling before you release the product for shipment. A stamped copy is enclosed for your records. If you have any questions, please contact me at (703) 308-6249 or [hebert.john@epa.gov](mailto:hebert.john@epa.gov).

Sincerely yours,

A handwritten signature in black ink, appearing to read "John Hebert". The signature is fluid and cursive, with a large loop at the beginning and a long, sweeping tail that extends upwards and to the right.

John Hebert  
Insecticide/Rodenticide Branch  
Registration Division (7505C)

c: Venus Eagle, SRRD  
Tom Myers, SRRD

ACCEPTED  
with COMMENTS  
In EPA Letter Dated:  
OCT 24 2003

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under EPA Reg. No.  
499-367

**RESTRICTED USE PESTICIDE**

For retail sale to and use only by Certified Applicators or persons  
under their direct supervision and only for those  
uses covered by the Certified Applicator's certification.

**WHITMIRE PT 275**

# DUR-O-CAP

Microencapsulated Chlorpyrifos

Liquid Concentrate

**ACTIVE INGREDIENTS:**

Chlorpyrifos ..... 20.0%

**OTHER INGREDIENTS:** ..... 80.0%

TOTAL: 100.0%

## KEEP OUT OF REACH OF CHILDREN CAUTION

See supplemental label for additional Precautionary Statements.

EPA Reg. No. 499-367 • EPA Est. No. 499-MO-1

**NET CONTENTS: 1 Quart**

(Alternate text: 1 Gallon, 15 Gallons)

PT 275 Container Label



**WHITMIRE MICRO-GEN**  
RESEARCH LABORATORIES, INC.  
800-777-8570

Version 6.0 Rev. 4/03

**RESTRICTED USE PESTICIDE**

For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

**Whitmire PT<sup>®</sup> 275  
DUR-O-CAP**

**Microencapsulated Chlorpyrifos**

**Liquid Concentrate  
Supplemental Label**

**ACTIVE INGREDIENTS:**

Chlorpyrifos ..... 20.0%

**OTHER INGREDIENTS:** ..... 80.0%

TOTAL: 100.0%

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

**FIRST AID**

This product contains an organophosphate.

**IF SWALLOWED:** Call 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 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 mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-225-3320 for emergency medical treatment information.

See side panel for additional precautionary statements.

EPA Reg. No. 499-367 • EPA Est. No. 499-MO-1



**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION:** Harmful if inhaled or absorbed through skin. Avoid breathing spray mist. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling.

**PERSONAL PROTECTIVE EQUIPMENT**

Some materials that are chemical-resistant to this product are Barrier laminate ≥14 mils, Butyl rubber ≥14 mils, Nitrile rubber ≥14 mils, Neoprene rubber ≥14 mils, PVC ≥14 mils and viton ≥14 mils. For more information, follow instructions in Supplement Three of PR Notice 93-7. If you want more options, follow the instructions for category C on an EPA chemical-resistance category selection chart.

**Mixers and loaders using a mechanical transfer loading system must wear:** Long sleeved shirt and long pants; socks and shoes; chemical resistant gloves; chemical resistant apron; and a NIOSH approved mist filtering respirator with MSHA/NIOSH approval number prefix TC-21C or a NIOSH-approved respirator any N, R, P, or HE filter.

**All other mixers, loaders, applicators and handlers must wear:** Coveralls over long-sleeved shirt and long pants; chemical-resistant gloves; chemical resistant apron when mixing or loading or exposed to the concentrate; chemical resistant footwear plus socks; chemical-resistant headgear for overhead exposures; and a NIOSH-approved mist filtering respirator with MSHA/NIOSH approval number prefix TC-21C or a NIOSH approved respirator any N, R, P, or HE filter.

**User Safety Requirements:** 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.

**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**

This pesticide is toxic to fish, aquatic invertebrates, small mammals and birds. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment wash water or rinsate. This product 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**

Do not spray where electrical short circuits might result, such as wall outlets, conduits, motors, switches, etc. Do not spray directly into any electronic equipment, such as radio, televisions, computers, telephones, etc.

**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.

**MIXING INSTRUCTIONS (ALL USES)**

Thoroughly clean spray equipment before using PT 275 Dur-O-Cap. Shake concentrate well before diluting. When diluting, first add approximately one-half of the water to the spray tank and then add the proper amount of PT 275 Dur-O-Cap. When emptying the bottle, rinse thoroughly with water, shake well and add the rinsate to the spray tank. Add the rest of the water and agitate the sprayer thoroughly. Agitate sprayer occasionally during use to ensure even coverage. Shake or re-agitate sprayer if spraying is interrupted or if dilution is left in sprayer overnight. If spray screens are used, they should be 50 mesh or larger.

**HORTICULTURAL USE**

**KILLS:** Ants, Aphids, Beetles, Caterpillars (Cabbage Worms, Rose Slugs, Hornworms), Cockroaches, Colorado Potato Beetles, Crickets, Cucumber Beetles, Flea Beetles, Firebrats, Flies, Fungus Gnats, Fungus Gnat Larvae, Gnats, Japanese Beetles, Leafhoppers, Leaf Miner, Mealybugs, Root Mealy Bugs, Root Weevils, Rose Aphids, Rose Chafer, Scale, Scorpions, Shore Flies, Spider Mites, Stink Bugs, Tarnished Plant Bugs, Thrips and Watermelon Beetles.

**FOR USE IN:** Commercial Ornamental Greenhouses and Nurseries

**FOR USE ON:**

**Bedding plants (including):** impatiens, marigolds, petunias, geraniums, garden mums, verbena, New Guinea Impatiens, and dahlia.

**Cut flowers (including):** roses, chrysanthemums, carnations, snapdragons, and orchids.

**Flowering hanging baskets (including):** fuchsia and lantana.

**Foliage (including):** Boston fern, dracaena, ficus, schefflera, and philodendron.

**Potted flowering plants (including):** poinsettia, chrysanthemums, florist's azaleas, lilies, African violets, geraniums, hibiscus, begonias, gloxinia, cyclamen, cineraria, calceolaria, and exacum.

**Trees & shrubs (including):** azalea, barberry, cotoneaster, euonymus, ilex, ivy, juniper, oak, pine, rhododendron, roses, spiraea, spruce, viburnum, and yew.

**DO NOT USE ON:** kalanchoes.

4/5



## PT<sup>®</sup> 275 Dur-O-Cap Microencapsulated Chlorpyrifos

### 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). 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 24 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 short pants; chemical resistant gloves made out of any waterproof material; chemical resistant footwear plus socks; and chemical resistant headgear for over head exposure. Notify workers of the application by warning them orally and by posting warning signs at entrances to treated areas.

### GENERAL USE DIRECTIONS

**HEAVY INFESTATION:** Use 0.5 fl. oz. PT 275 Dur-O-Cap per gallon of water. Spray upper and lower foliage surface of plants uniformly.

**PREVENTATIVE AND MAINTENANCE:** Use 0.25 fl. oz. PT 275 Dur-O-Cap per gallon of water. Spray upper and lower foliage surfaces of plants uniformly.

**FOR CONTROL OF FUNGUS GNAT LARVAE AND SHORE FLY LARVAE:** Apply at the rate of 0.25-0.50 fl. oz./gal. as a coarse spray to all insect infested surfaces or where insects may breed. Apply with adequate water to wet soil surface thoroughly. Apply when soil is moist but not saturated. Complete coverage of insect infested area is essential for control.

### DRENCHING DIRECTIONS

**FOR CONTROL OF SOIL BORNE ORGANISMS SUCH AS, BUT NOT LIMITED TO, ROOT MEALY BUGS AND ROOT WEEVILS:** Mix at one of the above rates or at 0.125 fl. oz. per gallon depending on the organism to be controlled and the amount of finished spray used per pot. Apply approximately 0.5 to 2 fl. oz. of finished spray per inch diameter of pot. Use higher rate for lower volumes and lower concentration if greater volumes of finished spray are used. Apply when soil is drier, but do not stress plant.

### PLANT SAFETY INFORMATION

This product has demonstrated excellent plant safety; however, all varieties of the plants listed have not been tested. When treating large

numbers of plants of a single variety, treat a few plants and observe for phytotoxicity prior to full scale application.

Direct treatment to some open blooms may cause petal drop.

### PEST CONTROL OUTDOORS

**KILLS:** Ants, Boxelder Bugs, Carpenter Ants, Clover Mites, Cluster Flies, Cockroaches, Crickets, Dermestids, Earwigs, Elmleaf Beetles, Fleas, Flies, Millipedes, Moths, Psocids, Silverfish, Sowbugs and Spiders.

**FOR USE IN:** Outside Areas of Industrial Plants and Warehouses.

### 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.

Do not enter or allow others to enter until sprays have dried.

### GENERAL PRECAUTIONS AND RESTRICTIONS

Do not allow spray to drift from the application site and contact people, structures people occupy at any time and the associated property, parks and recreation areas, non-target crops, aquatic and wetland areas, woodlands, pastures, rangelands, or animals.

PT 275 Dur-O-Cap is a flowable microencapsulated concentrate containing chlorpyrifos. PT 275 Dur-O-Cap may be sprayed on any surface which will not be damaged or stained by water. Heavy applications may leave a visible deposit. On some surfaces this deposit can be removed with a damp cloth or sponge.

Dilute PT 275 Dur-O-Cap with water using the spray dilution chart.

### SPRAY DILUTION CHART

Amount of Finished Spray	0.25% Spray	0.50% Spray
1 gallon	1.5 fl. oz.	3 fl. oz.
3 gallons	4.5 fl. oz.	9 fl. oz.
5 gallons	7.5 fl. oz.	15 fl. oz.
10 gallons	15.0 fl. oz.	30 fl. oz.

The higher rate should be used for clean-outs, for longer residual control or for high insect infestations.

PT 275 Dur-O-Cap can be used as a residual spray and/or as a crack, crevice and void treatment on outdoor surfaces of industrial plant sites and warehouses. Treat areas such as window frames, eaves, patios, refuse dumps and other areas where pests congregate or enter premises. Repeat treatment as necessary to maintain effectiveness. Use the 0.25% or 0.50% rate.

**PERIMETER SPRAY:** To help prevent infestations of buildings, treat a band of soil 6 to 10 feet wide around and adjacent to the building. Also treat the building foundation to a height of 2 to 3 feet and where pests are active and may find entrance. Treat other insect entry points around doors, windows, under siding and eaves of structure. PT 275 Dur-O-Cap may be applied in compressed air equipment or power spray equipment. Depending on type of equipment used to apply product and landscaping of perimeter, use 0.5 to 1.75 fl. oz. per 1,000 sq. ft.

**FLIES:** Spray outside surfaces of screens, doors and window frames or wherever these insects enter. Also treat surfaces around light fixtures, in garages, and other places where insects light or congregate. Treat normal fly resting areas on ceilings, upper corners of the area. Spray inside and outside surfaces of dumpsters and other trash holding containers. Spray trash corrals and other trash storage areas. Spray so as to lightly moisten the target surface. For best results, begin treatments at the start of the fly season and repeat weekly during periods of heavy fly activity.

**OUTDOOR ORNAMENTALS IN INDUSTRIAL PLANT SITES TO CONTROL ANTS, CRICKETS AND COCKROACHES:** For treatment of localized infestations of these insects in outdoor areas which are landscaped, planted, mulched or unmaintained, spray infested areas thoroughly. For ants, thoroughly wet hills and runways. Repeat applications as infestations warrant and as reinfestations occur. Use 0.5 to 1.75 fl. oz. per 1,000 sq. ft.

### STORAGE AND DISPOSAL

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

**STORAGE:** Store in original container only, preferably in a locked storage area. Do not store in a manner where cross contamination with other pesticides, fertilizer, food or feed could occur. If spilled during storage or handling, soak up spillage with absorbent material and dispose of in accordance with Pesticide Disposal instructions listed below.

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

**CONTAINER DISPOSAL:** Triple rinse container, then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

A Prescription Treatment<sup>®</sup> brand insecticide from:

Whitmire Micro-Gen Research Laboratories, Inc.  
3568 Tree Court Industrial Blvd.  
St. Louis MO 63122-6682  
www.wmrg.com

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PT 275 Supplemental Label

Version 6.0.1 (rev. 4/03)

5/5