

JUL 20 1994

Mr. Michael G. Sarli  
Whitmire Research Laboratories Incorporated  
3568 Tree Court Industrial Boulevard  
St. Louis, Missouri 63122-6620

Subject: Revised Labeling--Worker Protection  
Standard and Other Precautionary Text  
Whitmire PT 275 Dur-O-Cap Microencapsulated  
Chlorpyrifos Liquid Concentrate  
EPA Registration Number 499-367  
Your Submissions Dated May 2, May 12, and June 13, 1994

Dear Mr. Sarli:

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

1. On the front panel, immediately above the "FOR USE IN" section, add the text:

To Be Applied Only By or Under the Supervision of Commercial Applicators Responsible for Insect Control Programs

2. In the Environmental Hazards section delete the first paragraph. (It appears in the middle of the next paragraph.)

Submit five (5) copies of your final printed labeling before you release the product for shipment.

A stamped copy of the labeling is enclosed for your records.

Sincerely yours,

*DHE*

Dennis H. Edwards, Jr.  
Product Manager (19)  
Insecticide-Rodenticide Branch  
Registration Division (7505C)

Enclosure

5/12/94

Whitmire  
PT® 275  
Dur-O-Cap™  
Microencapsulated Chlorpyrifos

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

JUL 20 1994

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

499-367

Liquid Concentrate

**FOR USE IN:** Florists, Garden Centers, Greenhouses, Hobby Greenhouses, Homes, Hospitals, Hotels, Commercial Buildings, Interiorscapes, Kennels, Landscapes, Motels, Mushroom Houses, Nurseries, Nursing homes, Office Buildings, Rail Cars, Residences, Non-Food Areas of Restaurants, Schools, Ships, Truck Trailers and Warehouses.

**KILLS:** Angoumois grain moths, Ants, Aphids, Aster beetles, Beetles, Blister Beetles, Cadelles, Carpet beetles, Caterpillars (Cabbage Worms, Rose Slugs, Hornworms), Centipedes, Cigarette beetles, Cockroaches, Colorado potato beetles, Confused flour beetle, Crickets, Cucumber beetles, Dermestid beetles, Dried fruit beetles, Drugstore beetles, Firebrats, Flea beetles, Fleas, Flies, Fungus gnats, Gnats, Grain mites, Indian meal moths, Japanese beetles, Leafhoppers, Leaf miner, Mealworms, Mealybugs, Mediterranean flour moths, Moths, Red flour beetles, Rose aphids, Rose chafer, Saw-toothed grain beetles, Scales, Scorpions, Silverfish, Spider mites, Spiders, Stink bugs, Tarnished plant bugs, Thrips, Ticks, Trogaderma, Watermelon beetles, Weevils (granary weevils and rice weevils), and Whiteflies.

**ACTIVE INGREDIENTS:**

Chlorpyrifos [0,0-Diethyl 0-(3,5,6-Trichloro-2-Pyridyl) Phosphorothioate] . . . . . 20.0%

INERT INGREDIENTS . . . . . 80.0%

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

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

**STATEMENT OF PRACTICAL TREATMENT**

Contains an Organophosphate

**IF SWALLOWED:** Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger or blunt object. Do not induce vomiting or give anything by mouth to an unconscious person.

**IF ON SKIN:** Wash skin with plenty of soap and water. Get medical attention.

**IF IN EYES:** Wash thoroughly with water for at least 15 minutes. Call a physician if symptoms occur.

**IF INHALED:** Remove patient to fresh air. Apply artificial respiration if indicated.

See side panel for additional precautionary statements.

Net contents:

**BEST AVAILABLE COPY**

Whitmire  
PT<sup>®</sup> 275  
Dur-O-Cap<sup>™</sup>  
Microencapsulated Chlorpyrifos  
Liquid Concentrate

**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.

**General Information**

PT<sup>®</sup> 275 Dur-O-Cap<sup>™</sup> is a flowable microencapsulated concentrate containing chlorpyrifos. PT<sup>®</sup> 275 Dur-O-Cap<sup>™</sup> 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.

**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 12 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, Waterproof gloves, and Shoes plus socks.

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

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## Mixing Instructions

Thoroughly clean spray equipment before using PT<sup>®</sup> 275 Dur-O-Cap<sup>™</sup>. 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<sup>®</sup> 275 Dur-O-Cap<sup>™</sup>. When emptying the a 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 reagitate 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

Florists, Garden Centers, Greenhouses, Hobby Greenhouses, Interiorscapes, Landscapes and Nurseries

**KILLS:** Ants, Aphids, Beetles, Caterpillars (Cabbage Worms, Rose Slugs, Hornworms), Centipedes, Cockroaches, Crickets, Cucumber Beetles, Flea Beetles, Flies, Fungus Gnats, Gnats, Japanese Beetles, Leafhoppers, Leaf Miner, Mealybugs, Rose Aphids, Rose Chafer, Scale, Scorpions, Spider Mites, Stink Bugs, Tarnished Plant Bugs and Thrips.

**Mixing and Dilution Instructions:**

Heavy Infestation: 0.5 fl. oz. Dur-O-Cap<sup>™</sup> per gallon of water

Preventative and Maintenance: 0.25 fl. oz. Dur-O-Cap<sup>™</sup> per gallon of water

Spray upper and lower foliage surfaces of plants uniformly.

**Special Notice:** 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, spray a few plants and observe for phytotoxicity prior to full scale application.

**FOR USE INDOORS AND OUTDOORS 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, kalanchoes, begonias, gloxinia, cyclamen, cineraria, calceolaria, and exacum.

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

Direct spray to some open blooms may cause petal drop.

**PEST CONTROL INDOORS**

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Dilute PT<sup>®</sup> 275 Dur-O-Cap<sup>™</sup> with water using the spray dilution chart.

**Spray Dilution Chart**

Amount of Finished Spray	0.25% Spray	0.5% 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 fl. oz.	30 fl. oz.

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

PT<sup>®</sup> 275 Dur-O-Cap<sup>™</sup> should be used as a crack and crevice residual product where insects may be hiding, living and breeding and/or for selected spot application.

**Centipedes, Cockroaches, Crickets, Dermestids, Earwigs, Firebrats, Millipedes, Psocids, Silverfish, Sowbugs, Spiders:** Make spot treatment and/or crack and crevice injections into hiding places in cracks and crevices, void areas, moist areas, openings around pipes, sinks and under refrigerators. Repeat as necessary.

**Flies:** Make spot applications of PT<sup>®</sup> 275 Dur-O-Cap<sup>™</sup> on window frames, screens, trash cans, ceilings and upper wall surfaces, and other surfaces where flies rest in the dark at night or frequent during the day.

**Carpet Beetles (Dermestids):** Thoroughly apply the spray as a spot treatment along edges of carpet, under carpet edge (if necessary), under furniture, beds and throw rugs. Use as a crack and crevice application in closets and other shelving where infested items are stored. Do not treat clothing with this product. Repeat application as necessary.

**Ticks:** Thoroughly apply as a spot treatment in infested and egg laying areas in pet beds, pet resting quarters, nearby cracks and crevices, behind baseboards, door and window frames. Replace old pet bedding with clean fresh bedding after treatment. Do not treat pets with this product. Repeat application as necessary.

**Fleas:** Use the 0.25% or 0.5% rate and apply 1 gallon of spray per 1,600 sq. ft. The 0.25% rate can also be used at the rate of 1 gallon per 800 sq. ft. Thoroughly apply the spray to infested areas in pet beds and resting quarters, nearby cracks and crevices, along baseboards, under furniture and floor covering where pests may be present. Old bedding should be removed and replaced with clean fresh bedding after treatment. Do not treat pets with this product. Repeat application as necessary.

**Ants:** Inject cracks, crevices and voids where ants may be traveling and/or harboring, around doors, window frames, and other structural cracks, crevices and voids. Spot treatment of trails and feeding areas may also be made.

**Hibernating stages of boxelder bugs, elmleaf beetles, cluster flies and clover mites:** Inject cracks, crevices and/or voids where these insects may be harboring or hibernating, in weep holes, wall voids, around window and door frames, and under siding. Repeat application as necessary. Treat wall area around entry points on exterior where insects congregate.

**Carpenter Ants:** Make spot applications to any trails, around doors and windows, ceilings, wall voids, crawl spaces, and other places where ants enter premises. Where possible, treat ant nest or infested wood directly. Repeat application as necessary.

## PEST CONTROL OUTDOORS

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

PT<sup>®</sup> 275 Dur-O-Cap<sup>™</sup> can be used as a residual spray on outdoor surfaces and/or as a crack, crevice and void treatment of buildings, porches, window frames, eaves, patios, garages, refuse dumps and other areas where pests congregate or enter premises. Repeat treatment as necessary to maintain effectiveness. Use the 0.25% or 0.5% rate.

PT<sup>®</sup> 275 Dur-O-Cap<sup>™</sup> can be used as a residual spray to control pests in outdoor void areas such as meterboxes and manholes. Repeat treatment as necessary.

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As a 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<sup>®</sup> 275 Dur-O-Cap<sup>™</sup> 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 1/2 to 4 ounces 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 on porches, in garages, and other places where insects light or congregate. Treat normal fly resting areas on ceilings, upper corners of the area. Repeat as necessary. 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.

**Ants, Crickets, 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 infestation warrant and as reinfestations occur.

#### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

##### CAUTION

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

Do not apply to humans, their clothing or bedding. Do not allow children or pets to contact treated surfaces until spray has dried. Do not contaminate food or use on household pets. Cover fish tanks prior to application.

Avoid contamination of food, feedstuffs, or water supply. Do not contaminate food preparation surfaces, kitchen utensils, dishes, or feed storage containers. All food contact surfaces and cooking utensils should be covered during treatment or thoroughly cleaned before using.

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

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**Personal Protective Equipment: APPLICATORS AND OTHER HANDLERS MUST WEAR:** Long-sleeved shirt and long pants, Waterproof gloves, Shoes plus socks.

**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.

This pesticide is toxic to birds, fish and aquatic invertebrates. Birds feeding in treated areas may be killed. Clean up spilled product to reduce exposure to wildlife. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters.

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.

**STORAGE AND DISPOSAL**

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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.



LIMITATION OF LIABILITY

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A Prescription Treatment<sup>®</sup> Brand Insecticide from:

Whitmire Research Laboratories, Inc.  
3568 Tree Court Ind. Blvd.  
St. Louis, Missouri 63122

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