

499-367

07/13/2007

1/8



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

JUL 13 2007

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Dana M. Thomas
Manager, Product Registration
Whitmire Micro-Gen Research Laboratories, Inc.
3568 Tree Court Industrial Blvd.
St. Louis, MO 63122-6682

Subject: Label Amendment per efficacy review dated May 16, 2007 and the addition of Corn to the label.
Whitmire PT 275 Dur-O-Cap Microencapsulated Chlorpyrifos.
EPA Reg. No. 499-367

Dear Ms. Thomas:

The revised labeling for the product referenced above was submitted to comply with the Agency's efficacy review dated May 16, 2007 and to add the use of the product on corn. The label complies with the efficacy review dated May 16, 2007 with regard to the support and delisting of the public health pests on your label as specified in the efficacy review review of May 16, 2007.

The label is accepted with the following comments:

1) The added section for Corn (field and sweet) and Specialty Corn must be deleted from the label (Cannot be added with present documentation).

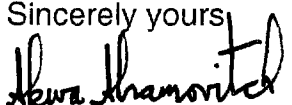
Several issues must be addressed and additional information must be provided for the Agency to consider the addition of corn to the label:

- a) The registrant is advised to cite a me-too chlorpyrifos microencapsulated product in support of their petition to add corn to the label since a microencapsulated product is different than other product/formulations available for use on corn.
- b) Specialty Corn must be defined or deleted from the label since only corn (field, sweet and corn grown for seed) are allowed. Popcorn cannot be listed on the label since there are no tolerances for popcorn.
- c) The Direction for Use on corn must be expanded to provide the mode of application, etc

d) All the restrictions for corn applications listed in the Chlorpyrifos IRED (Interim Reregistration Eligibility Decision) of February 2002 such as PHI, maximum number of applications allowed per acre per season, etc must be added to the label.

A stamped copy "accepted with comments" of the label is enclosed for your record. Please submit a revised label for the Reregistration of your product within 30 days from the date of this letter. Products shipped after 12 months from the date of this letter or the next printing of your label whichever comes first, must bear the new revised label.

Sincerely yours



Akiva Abramovitch, Ph.D.
Chemist
Insecticide-Rodenticide Branch
Registration Division (7505P)

3/8

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**

[ALTERNATE BRAND NAME #1: "Prescription Treatment® brand DuraGuard® ME Microencapsulated Insecticide" (added via Notification 12/19/96)]

[ALTERNATE BRAND NAME #2: "Prescription Treatment® brand DuraGuard® ME Microencapsulated Chlorpyrifos" (added via Notification 7/29/04)]

Liquid Concentrate

ACTIVE INGREDIENT:

Chlorpyrifos..... 20.0%

OTHER INGREDIENTS:..... 80.0%

TOTAL: 100.0%

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

See inside booklet for First Aid, Precautionary Statements, Directions for Use and Storage and Disposal

**ACCEPTED
with COMMENTS
In EPA Letter Dated:
JUL 13 2007**

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

NET CONTENTS:

WHITMIRE MICRO-GEN
RESEARCH LABORATORIES, INC.
800-777-8570 • www.wmmg.com



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

499-367

4/8

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FIRST AID

This product contains an organophosphate that inhibits cholinesterase.

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 min. Call a poison control center or doctor for treatment advice.

IF IN EYES: Hold eyes open and rinse slowly and gently with water for 15 - 20 min. Remove contact lenses, if present, after the first 5 min, then continue rinsing eyes. 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.

NOTE TO PHYSICIAN: If symptoms of cholinesterase inhibition are present, atropine sulfate is antidotal. 2-PAM is also antidotal and may be administered in conjunction with atropine.

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 the 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 with 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 with 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 thoroughly with soap and water before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE 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.

ENGINEERING CONTROLS

Mixers and loaders supporting aerial applications must use a mechanical transfer system that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4)] for dermal protection, and must:

- wear the PPE required above for mixers/loaders,
- wear protective eyewear if the system operates under pressure, and
- be provided and have immediately available for use in an emergency, such as broken package, spill, or equipment breakdown: coveralls, chemical-resistant footwear and chemical-resistant headgear if overhead exposure.

Pilots must use an enclosed cockpit in a manner that meets the requirements listed in the WPS for agricultural pesticides [40 CFR 170.240(d)(6)]. Use of human flaggers is prohibited. Mechanical flagging equipment must be used.

When handlers use closed cab motorized ground application equipment in a manner that meets the requirements listed in the 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.

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.

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.

For ground boom applications, do not apply within 25 ft of rivers, natural ponds, lakes, streams, reservoirs, marshes, estuaries and commercial fish ponds. Apply with nozzle height no more than 4 ft above the ground or crop canopy and when wind speed is 10 mph or less at the application site as measured by an anemometer. Use coarse spray according to ASAE 572 definition for standard nozzles of VMD for spinning atomizer nozzles.

For orchard/vineyard airblast applications, do not apply within 50 ft of rivers, natural ponds, lakes, streams, reservoirs, marshes, estuaries and commercial fish ponds. Direct spray above trees/vines and turn off outward pointing nozzles at row ends and outer rows. Apply only when wind speed is 3 – 10 mph at the application site as measured by an anemometer outside of the orchard/vineyard on the upwind side.

For aerial applications, do not apply within 150 ft of rivers, natural ponds, lakes, streams, reservoirs, marshes, estuaries and commercial fish ponds. The boom width must not exceed 75% of the wingspan or 90% of the rotary blade. Use upwind swath displacement and apply only when wind speed is 3 – 10 mph as measured by an anemometer. Use coarse spray according to ASAE 572 definition for standard nozzles or VMD for spinning atomizer nozzles. If application includes a no-spray zone, do not release spray at a height greater than 10 ft above the ground or the crop canopy.

For overhead chemigation, do not apply within 25 ft of rivers, natural ponds, lakes, streams, reservoirs, marshes, estuaries and commercial fish ponds. Apply only when wind speed is 10 mph or less. The applicator also must use all other measures necessary to control drift.

PT 275 Dur-O-Cap is a flowable microencapsulated concentrate containing chlorpyrifos. PT 275 Dur-O-Cap may be sprayed on surfaces 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.

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 (except Carpenter, Fire, Harvester and Pharaoh), Aphids, Beetles, Caterpillars (Cabbage Worms, Rose Slugs, Hornworms), Colorado Potato Beetles, Crickets, Cucumber Beetles, Flea Beetles, Firebrats, 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, virburnum, and yew

DO NOT USE ON: kalanchoes

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard (WPS), 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 WPS.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hrs.

PPE required for early entry to treated areas that is permitted under the WPS 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.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the WPS 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 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.

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.

DRENCHING DIRECTIONS

For 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/gal 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.

CORN ROOT WORM APPLICATION

CORN ROOT WORM ADULTS: In Corn (field and sweet) and Specialty Corn apply 4- 8 fl oz of Dur-O-Cap per acre. Whitmire recommends that Invite EC be mixed to increase feeding.

PEST CONTROL OUTDOORS

KILLS: Ants (except Carpenter, Fire, Harvester and Pharaoh), Boxelder Bugs, Clover Mites, Cluster Flies, Crickets, Dermestids, Earwigs, Elm Leaf Beetles, Flies, Millipedes, Moths, Psocids, Silverfish, Sowbugs and Spiders (except Black Widow and Brown Recluse)

FOR USE: Outside Areas of Industrial Plants and Warehouses

GENERAL USE DIRECTIONS

PT 275 Dur-O-Cap can be used as a 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. Flies require a higher application rate. See the "Flies" section below for specific directions.

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 gal	1.5 fl oz	3 fl oz
3 gal	4.5 fl oz	9 fl oz
5 gal	7.5 fl oz	15 fl oz
10 gal	15.0 fl oz	30 fl oz

The higher rate should be used for clean-outs or for high insect infestations.

PERIMETER SPRAY: To help prevent infestations of buildings, treat a band of soil 6 - 10 ft wide around and adjacent to the building. Also treat the building foundation to a height of 2 - 3 ft 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 - 1.75 fl oz/1,000 ft².

FLIES: Kills on contact. Flies must be directly contacted by spray to be effective. Use 5 - 8 fl oz/gal/1,000 ft². 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 treatment as necessary to maintain effectiveness during periods of heavy fly activity.

OUTDOOR ORNAMENTALS IN INDUSTRIAL PLANT SITES TO KILL ANTS (except Carpenter, Fire, Harvester and Pharaoh) AND CRICKETS: 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 - 1.75 fl oz/1,000 ft².

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 (≤ 2.5 gal): Empty container by using the product in accordance with the label directions. Do not reuse this container! Place empty container in trash or offer for recycling if available. If container is partly filled, call your local solid waste agency for disposal instructions. NEVER PLACE UNUSED PRODUCT DOWN ANY INDOOR OR OUTDOOR DRAIN!

CONTAINER DISPOSAL (>2.5 gal): Empty container by using the product in accordance with the label directions. 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.

A Prescription Treatment® brand insecticide from:
Whitmire Micro-Gen Research Laboratories, Inc.
3568 Tree Court Industrial Blvd.
St. Louis MO 63122-6682
www.wmmg.com

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