



U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (7505P)  
Ariel Rios Building  
1200 Pennsylvania Ave., NW  
Washington, D.C. 20460

EPA Reg. Number:  
499-419  
Date of Issuance:  
FEB 7 2008

NOTICE OF PESTICIDE:  
\_ Registration  
X Reregistration  
(under FIFRA, as amended)

Term of Issuance: Unconditional  
Name of Pesticide Product:  
Duration Whitmire PT 275 Dur-  
O-Cap Microencapsulated  
Dursban Liquid Concentrate

Name and Address of Registrant (include ZIP Code):  
Whitmire Micro-Gen Research Laboratories  
3568 Tree Court Industrial Blvd  
St. Louis, MO 63122-6682

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

Based on your response to the Reregistration Eligibility Decision, EPA has reregistered the product listed above. This action is taken under the authority of section 4(g)(2)(C) of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended. Reregistration under this section does not eliminate the need for continual reassessment of pesticides. EPA may require submission of data at any time to maintain the registration of your product.

Generic data requirements that have been identified in the RED as confirmatory data for the active ingredient contained in the subject product will continue to be tracked and assessed in the Agency's continual reassessment of pesticides.

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable with the following comments.

Please see page 2 for comments

You must submit one (1) copy of the final printed label before you release the product for shipment. Products shipped after 12 months from the date of this Notice or the next printing of the label whichever occurs first, must bear the new revised label. A stamped copy of the label is enclosed for your records. Should you have any questions, please contact Registration Review Manager, Dr. Akiva Abramovitch at 703-308-8328.

Signature of Approving Official:  
Meredith F. Laws, Chief *Meredith F. Laws*  
Insecticide-Rodenticide Branch  
Registration Division (7505P)

Date: FEB 7 2008

- 1) All food uses listed on the label must be deleted since ingredients listed on the CSF dated January 4, 2008 for your formulation are not approved for food use.
- 2) The Agency recommends the precautionary statement "Harmful if Swallowed" on pesticide products.
- 3) Delete the section titled "Application in Food Processing Establishments" since the formulation is not approved for this use.
- 4) Add "Commercial" to the title "Indoor Treatments" and to "Outdoor Building Treatment".
- 5) Delete the sections on the public health pests: carpenter bees, wasps and yellow jackets and their nests under Commercial Outdoor Building Treatment. Also, protective equipment must (not may) be required for bee treatment particularly since "this product does not provide instant knockdown".
- 6) Delete Food processing plants and warehouses from the list of sites under Commercial Outdoor Building Treatment.
- 7) Delete "such as radio, televisions" from the Physical or Chemical Hazards section since they may imply residential use.
- 8) Delete uses in offices, locker rooms and lavatories in the food processing establishments.
- 9) Delete under the title Flies examples where the product can be used indoors where people including children may be visiting: screens, doors, window frames, light fixtures, ceiling, upper corners and in garages.
- 10) Flies also appear on the last page of the label as a duplicate listing and must be deleted.
- 11) "Perimeter Spray" heading must be deleted and titled "Outdoor Commercial Use".
- 12) Under "Livestock Housing" for the Heading "For Use In and Around" delete "In and Around". Also, delete rabbit hutches which may also be in residential areas.
- 13) Delete centipedes from the list of pests for Commercial Indoor Treatment and wood wasps under the "Wood Destroying Insects" list of pests.
- 14) Delete "such as the following families" under "Wood Destroying Insects" and delete "wood wasps".
- 15) Remove under the "Use Restrictions" "Do not use on Household pets" and "Do not allow children or pets..." which implies residential use.
- 16) Delete "General" from the title "General Use Restrictions" since mandatory statements are listed beneath the title.
- 17) Delete "For Use On Outside Surfaces" under "Comercial Outdoor Building Surfaces" and the section for "Wood Destroying Insects" and "Hibernating Stages of Boxelder Bugs.." since no

applications to outdoor structures are allowed by the Memorandum of Understanding of 2000 (MOA).

18) The label pages should be numbered.

**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.

**DURATION®  
PT® 275 MC Microencapsulated Dursban  
Liquid Concentrate**

[Alternate Brand Name #1: Duration Chlorpyrifos Capsule Suspension Formula 1 {submitted via Notification 9/27/96}]  
[Alternate Brand Name #2: Prescription Treatment brand Duration CS Controlled Release Premise Insecticide {submitted via Notification 11/6/96}]  
[Alternate Brand Name #3: Duration CS Controlled Release Premise Insecticide {submitted via Notification 11/15/96}]  
[Alternate Brand Name #4: Prescription Treatment brand 270 Duration Chlorpyrifos Capsule Suspension Formula 1 {submitted via Notification 3/6/97}]

**FOR USE IN AND AROUND:** Food and Non-Food Areas of Manufacturing, Industrial Plants and Food Processing Plants; Cargo Holds of Ships; Railroad Boxcars; Hog barns; Empty Chicken Houses; Rabbit Hutches; Dairy Areas; Milkrooms; Calf Hutches and Calving Pens and Parlors

**KILLS:** Angoumois Grain Moths, Aphids, Ants (except Carpenter, Fire, Harvester and Pharaoh), Bees, Beetles, Boxelder Bugs, Cadelles, Carpet Beetles, Carpenter Bees, Centipedes, Cigarette Beetles, Clover Mites, Confused Flour Beetle, Crickets, Darkling Beetles, Dermestid Beetles, Dried Fruit Beetles, Drugstore Beetles, Earwigs, Elm Leaf Beetles, Firebrats, Flea Beetles, Flies, Gnats, Grain Mites, Indianmeal Moths, Leafhoppers, Leaf Miner, Mealworms, Mediterranean Flour Moths, Millipedes, Moths, Northern Fowl Mites, Psocids, Red Flour Beetles, Sawtoothed Grain Beetles, Scale, Scorpions, Silverfish, Sowbugs, Spiders (except Black Widow and Brown Recluse), Stink Bugs, Trogoderma, Wasps, Weevils (Granary Weevils and Rice Weevils) and Yellowjackets

**ACTIVE INGREDIENT:**

Chlorpyrifos ..... 20.0%

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

TOTAL: 100.0%

EPA Reg. No. 499-419 EPA Est. No. 499-MO-1

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

**ACCEPTED  
with COMMENTS  
In EPA Letter Dated:  
FEB 7 2008**

**Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under EPA Reg. No.  
499-419**

**FIRST AID**

This product contains an organophosphate that inhibits cholinesterase.

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 - 20 min. Call a poison control center or doctor for 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.

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION:** Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco.

**ENVIRONMENTAL HAZARDS**

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.

**DIRECTIONS FOR USE**

**IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.**

**GENERAL USE RESTRICTIONS**

- Do not apply to humans, their clothing or bedding.
- Do not allow children or pets to contact treated surfaces until spray has thoroughly dried.
- Do not use on household pets.
- Cover fish tanks prior to application.
- Do not contaminate food, feedstuffs, or water supply. Do not contaminate food preparation surfaces, kitchen utensils, dishes or feed storage containers. Cover all food contact surfaces and cooking utensils during treatment or thoroughly wash with an effective cleaning compound followed by a potable water rinse.

**GENERAL INFORMATION**

Duration™ PT® 275 MC is a flowable microencapsulated concentrate containing chlorpyrifos. Duration PT 275 MC 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.

**Mixing Instructions:** Thoroughly clean spray equipment before using this product. Shake concentrate well before diluting. Apply at the rate of 2 – 5 fl oz of concentrate per 1,000 ft<sup>2</sup>, using an adequate amount of water to ensure good coverage. Flies require a higher application rate. See the "Flies" section below for specific directions. When diluting, first add approximately 1/2 of the water to the spray tank and then add the proper amount of this product. Add the rest of the water and agitate the sprayer thoroughly. Agitate sprayer occasionally during use to ensure even coverage. Shake or reagitae sprayer if spraying is interrupted or if dilution is left in sprayer overnight. When emptying the bottle, triple rinse with water and add the rinsate to the spray tank. If spray screens are used, they should be 50 mesh or larger. In situations where conventional application methods have not or are not likely to provide adequate coverage, foam generating equipment or similar machines can be used to provide a continuous coverage. Use drier foam inside wall voids to avoid any water damage or electrical short circuits.

**INDOOR TREATMENTS**

**FOR USE IN:** Food and Non-Food Areas of Manufacturing, Industrial, and Food Processing Plants; Warehouses; Ship Holds; Railroad Boxcars. Apply at the rate of 2 – 5 fl oz of concentrate per 1,000 ft<sup>2</sup>, using an adequate amount of water to ensure good coverage.

**SAMPLE SPRAY DILUTION CHART:** Examples of possible dilutions using DURATION PT 275 MC with water are given below.

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

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

Duration PT 275 MC should be used as a Crack & Crevice product where insects may be hiding, living and breeding and/or for selected spot treatment.

**CENTIPEDES, CRICKETS, DERMESTID BEETLES, EARWIGS, FIREBRATS, MILLIPEDES, PSOCIDS, SILVERFISH, SOWBUGS AND SPIDERS (except Black Widow and Brown Recluse):** Make spot treatment and/or Crack & Crevice injections into areas where insects are normally found (i.e. cracks and crevices, void areas, moist areas, openings around pipes, sinks and under refrigerators). Repeat as necessary.

**CARPET BEETLES (DERMESTIDS):** Thoroughly apply the spray as a spot treatment along edges of carpet, under carpet edge (if necessary), under furniture and throw rugs. Use as a Crack & Crevice application in closets and other shelving where infested items are stored. Do not treat clothing with this product. Repeat application as necessary.

**FOR EXPOSED ADULT AND LARVAL STAGES OF GRAIN MITES, STORED PRODUCT BEETLES, GRAIN WEEVILS AND STORED PRODUCT MOTHS:** Inject into cracks and crevices and/or voids where these insects may be harboring (i.e. cracks and crevices in cabinets, pantries, wall voids and in machinery). Repeat treatment as necessary.

**ANTS (except Carpenter, Fire, Harvester and Pharaoh):** 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.

Master Label

**HIBERNATING STAGES OF BOXELDER BUGS, ELM LEAF BEETLES AND CLOVER MITES:** Inject cracks, crevices and/or voids where these insects may be harboring or hibernating. Infested areas may include areas such as cracks and crevices 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.

**WOOD DESTROYING INSECTS:** Localized treatment of wood-infesting insects: Beetles and Borers (such as the following families: *Anobiidae, Bostrichidae, Buprestidae, Cerambycidae, Lyctidae, Oedemeridae, Sesiidae*) and Wood Wasps: Locate suspected infestation and/or insect tunnels and cavities. Drill pilot holes into insect tunnels, gallery and inaccessible closed voids. Drill holes 8 – 10" apart to insure thorough coverage. Inject 5 – 10 sec/hole. Do not contact electrical wiring, plumbing, etc. when drilling. Use the 0.5% or 1.0% rate.

**APPLICATIONS IN FOOD PROCESSING ESTABLISHMENTS**

**FOR USE IN:** Food and Non-Food Areas of Manufacturing, Industrial and Food Processing Plants. Non-food areas include garbage rooms, lavatories, drains (to sewers), entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, garages, mop closets, and storage (after canning or bottling). Application within food areas of food processing plants is limited to spot and/or Crack & Crevice treatments.

Treat where insects are found or normally occur. Application of a 0.25% solution is suitable for control of light pest infestations (i.e. maintenance applications). Application of a 0.5% solution provides residual control of heavy infestations (i.e. clean-out applications) and where extended residual control is desired. A period of 4 – 7 days is normally required to observe maximum effectiveness on insect populations; therefore, limit retreatments to no more often than once every 7 days. Apply spray solution in such a manner as to minimize spray drift to non-target surfaces. Individual spot treatments should not exceed 2 ft<sup>2</sup>.

**OUTDOOR BUILDING TREATMENTS**

**FOR USE ON OUTSIDE SURFACES OF:** Manufacturing, Industrial, and Food Processing Plants; Warehouses.

**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, under decks and on fences. This product 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 ft<sup>2</sup>. Alternate directions are to use 5.0 – 8.75 fl oz of product per 50 gal of water applied at 10 gal of dilution per 1,000 ft<sup>2</sup>.

**ANTS (except Carpenter, Fire, Harvester and Pharaoh), CRICKETS AND OTHER CRAWLING INSECTS:** 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 warrants and as reinfestations occur.

**FLIES:** Kills flies on contact. Flies must be directly contacted by spray to be effective. Use 5 – 8 fl oz/gal/1,000 ft<sup>2</sup>. Spray where flies are seen and congregate (i.e. screens, doors, window frames, light fixtures, in garages, ceilings and upper corners of the area, inside and outside dumpsters and other trash holding containers, trash corrals and other trash storage areas).

**HIBERNATING STAGES OF BOXELDER BUGS, ELM LEAF BEETLES AND CLOVER MITES:** Inject cracks, crevices and/or voids where these insects may be harboring or hibernating. Infested areas may include areas such as cracks and crevices 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.

**BEEES, WASPS AND YELLOWJACKETS:** As a preventative or remedial treatment to help prevent these insects from building nests or workers from congregating on structures, follow perimeter treatment directions under outdoor section of label. Pay particular attention to soffit and eave areas.

**FOR TREATMENT OF YELLOWJACKET OR WASP NESTS:** Liberally treat the wasp nest. Treat inside the nest and the surrounding area for yellowjackets. For treatment of nests inside wall voids, inject into the nest sufficient quantity to treat the complete nest. More than 1 point of application may be required. Most applications should require no more than 0.5 gal of diluted material. Avoid any contact of the product with electrical wiring. Do not use where there is a shock hazard.

**THIS PRODUCT DOES NOT PROVIDE INSTANT KNOCKDOWN. THE BEST TIME TO TREAT IS LATE IN THE DAY. COLONY SHOULD BE DEAD IN 2 – 3 DAYS. DEPENDING ON THE SITUATION, PROTECTIVE EQUIPMENT FOR THE APPLICATOR MAY BE REQUIRED.**

**CARPENTER BEES:** Locate entrance holes. Treat galleries through entrance holes. Seal bee entrances after application.

**WOOD DESTROYING INSECTS -** Localized treatment of wood-infesting insects: Beetles and Borers (such as the following families: *Anobiidae, Bostrichidae, Buprestidae, Cerambycidae, Lyctidae, Oedemeridae, Sesiidae*) and Wood Wasps: Locate suspected infestation and/or insect tunnels and cavities. Drill pilot holes into insect tunnels, gallery and inaccessible closed voids. Drill holes 8 – 10" apart to insure thorough coverage. Inject 5 – 10 sec/hole. Do not contact electrical wiring, plumbing, etc. when drilling. Use the 0.5% or 1.0% rate.

**LIVESTOCK HOUSING**

**FOR USE IN AND AROUND:** Livestock Housing and Holding Areas (such as Hog Barns, Empty Chicken Houses, Rabbit Hutches, Dairy Areas, Milkrooms, Calf Hutches, Calving Pens and Parlors).

Do not apply to lactating or food animals. Do not contaminate milk, food or drinking water. Remove all animals prior to making application to housing. Do not apply or allow insecticide to drift onto animals. Do not allow animals to enter treated areas until surfaces are dry.

**DARKLING BEETLES:** Treat the litter paying particular attention to the areas under the feeder line, water line and the perimeter. Use 2 – 5 fl oz/1,000 ft<sup>2</sup> in an adequate amount of water to provide good coverage.

**FLIES:** Kills flies on contact. Flies must be directly contacted by spray to be effective. Use 5 – 8 fl oz/gal/1,000 ft<sup>2</sup>. Spray where flies are seen and congregate (i.e. screens, doors, window frames, around light fixtures, in garages, ceilings and upper corners of the area, inside and outside dumpsters and other trash holding containers, trash corrals and other trash storage areas).

To kill other pests and 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 and sides where pests are active and may find entrance. Treat other insect entry points such as doors, windows, under siding and eaves of structure. Duration PT 275 MC may be applied in compressed air, backpack 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 ft<sup>2</sup>. Alternate directions are to use 5.0 – 8.75 fl oz of product per 50 gallons of water applied at 10 gallons of dilution per 1,000 ft<sup>2</sup>.

**STORAGE AND DISPOSAL**

Nonrefillable container. 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 (1 gal):** Empty container by using the product according to the label directions. Do not reuse or refill this container! Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Place empty, triple rinsed 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!

**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](http://www.wmmg.com)

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