

PM 10

499-450

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JAN 23 1997

Mary Ellen Summers  
Whitmire Micro-Gen Research Laboratories, Inc.  
3568 Tree Court Ind. Blvd.  
St. Louis, MO 63122

Dear Ms. Summers:

Subject: Amended Product Labeling  
ULD BP-300 Insecticide  
EPA Registration Number 499-450  
Submission Dated January 6, 1997

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

1. You are reminded that the Agency has issued Pesticide Regulation Notice 96-6 ("Pet Pesticide Product Label Statements"). The Directions for Use on this product label include instructions for treating dogs. All products released for shipment by registrants after October 1, 1998 should bear labeling that is consistent with this notice.

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

If you have any questions or comments, please contact me at (703) 305-6788.

Sincerely yours,

RPK

Richard P. Keigwin, Jr.  
Product Manager 10  
Insecticide-Rodenticide Branch  
Registration Division

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ULD BP-300  
INSECTICIDE

For Indoor or Outdoor Application as a space, area or contact spray. Dependent upon insects to be controlled and the area to be treated, this product may be applied through mechanical aerosol or Ultra Low Volume (ULV), cold aerosol generators such as Micro-Gen equipment, as well as thermal and conventional fogging or spraying equipment.

For use in Restaurants, Cafeterias, Food service storage and preparation areas, Grocery and convenience stores, Motels, Hotels, Health care facilities, Schools, Universities, Apartments, Dormitories and Office Buildings.

(See other panel for additional use sites)

ACTIVE INGREDIENTS:

Pyrethrins .....	3.00%
* Piperonyl Butoxide, Technical .....	6.00%
**N-octyl bicycloheptene dicarboximide .....	10.00%

INERT INGREDIENTS ..... 81.00%

Contains Petroleum Distillate

\* Consists of 4.80% (butylcarbityl) (6-propylpiperonyl) ether and 1.20% related compounds

\*\*MGK 264 Insecticide Synergist

KEEP OUT OF REACH OF CHILDREN  
CAUTION

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS  
AND STATEMENT OF PRACTICAL TREATMENT

Whitmire Micro-Gen Research Laboratories, Inc.  
3568 Tree Court Ind. Blvd.  
St. Louis, MO 63122

EPA Reg. No. 499-450      EPA Est. No. 499-MO-1

Batch No. \_\_\_\_\_ Net. Contents: \_\_\_\_\_

ULTRA LOW DOSAGE THROUGH MICRON GENERATION  
Not for Sale in California

ACCEPTED  
WITH COMMENTS  
By EPA Administrator

JAN 23 1997

499-450

PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Harmful if swallowed or absorbed through skin. causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. Wash thoroughly with soap and water after handling. Do not remain in enclosed areas after use. Remove pets, birds, and cover fish aquariums and turn off air pump motor before spraying. In health care facilities, remove patients prior to treatment. Thoroughly ventilate treated area two hours before returning patients.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. For terrestrial uses, 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 apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water when disposing of equipment washwaters. Apply this product only as specified on this label.

PHYSICAL AND CHEMICAL HAZARDS

Do not use or store near heat or open flame. Note: Some furniture finishes and particularly plastics can be damaged by petroleum based insecticides. To avoid damage, cover those items and do not spray directly. If in doubt, test by applying this material to an inconspicuous area before spraying.

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or Poison Control Center immediately. Do not induce vomiting. Do not give anything by mouth to an unconscious person. Avoid alcohol.  
IF ON SKIN: Wash with plenty of soap and water. get medical attention.  
IF IN EYES: Flush eyes with plenty of water. Call a physician if irritation persists.  
NOTE TO PHYSICIAN: May pose an aspiration pneumonia hazard.

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### STORAGE AND DISPOSAL

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

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: **ONE GALLON AND UNDER; Do not reuse empty container. Wrap container and put in trash. OVER ONE GALLON;** Triple rinse (or equivalent). The offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

### 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 such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons. Do not enter treated areas without protection until thoroughly ventilated or sprays have dried. Use a respiratory device as recommended by NIOSH/MSHA for protection against organic vapors and pesticides.

ULD BP300 insecticide is effective control against the following insects when following label directions:

Roaches	Crickets	Cheese Mites
Ants	Fruit Flies	Cigarette Beetle
Waterbugs	Gnats	Granary Weevils
Spiders	Wasps	Indian Meal Moth
Earwigs	Mosquitos	Angoumois Grain Moth
Boxelder Bugs	Cadelles	Tobacco Moths
House Flies	Confused Flour Beetle	Rice Weevils

(See other panel for additional insects)

Do not apply directly to food. Cover or remove any food and food processing equipment during application. Do not apply while food processing is underway. After spraying in meat packaging plants, bakeries, and other food processing plants, wash all equipment where exposed food will be handled with an effective cleaning compound followed by a potable water rinse. In the home, all food processing surfaces, dishes and utensils should be covered during treatment, or thoroughly washed before use.

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Indoor Use, Undiluted

As a Space Spray to kill accessible stages of Insects\* infesting dried fruit products in storage or being processed: Close room or warehouse and shut off all ventilating systems. Use a spraying device such as the Micro-Gen ULV equipment to dispense this product as a fine mist in the air above trays and shelves. Do not apply to fruit directly. Use a dosage not to exceed 1/2 gallon of this spray per 50,000 cubic feet of room space. Do not remain in treated areas after application, and leave room closed for at least one hour. Ventilate thoroughly before occupants are allowed to re-enter. Repeat application at this dosage in any given month.

\* Indian Meal Moth, Dried Fruit Beetle, Confused Flour Beetle, Saw-Toothed Grain Beetle and Roaches.

As a Space Spray - To kill the adult and accessible forms of insect pests\* of stored food (stored in multiwall paper bags or in cloth bags) in warehouse, storage rooms and similar locations: Close room or warehouse and shut off all ventilating systems. Use a spray device such as the Micro-Gen ULV equipment to dispense this product. Use a dosage of one fluid ounce of this spray per 1,000 cubic feet of room space. Do not remain in treated areas after application and leave room closed for at least one hour. Ventilate thoroughly before occupant are allowed to re-enter. Repeat applications as necessary for insect control.

\* Among these are the Rice Weevil, Yellow Meal Worm, Cadelle, Confused Flour Beetle, Saw-Toothed Grain Beetle, Angoumois Grain Moth, Mediterranean Flour Moth and Indian Meal Moth.

Contact and Space Spray - Use full strength or dilute as desired according to dilution table listed below and apply through equipment which can deliver a pin stream spray. Apply the spray into all cracks and crevices in woodwork, walls, floors, underneath sinks, behind pipes and in all places where insects harbor. Contact as many insects as possible with the spray. Do not allow spray to contact stored food. Then with a mechanical aerosol generator (no droplets over 50 microns in diameter and 80% less than 30 microns) apply this product undiluted at a dosage rate of approximately one-half fluid ounce per 1,00 cubic feet of room space or when applying diluted product apply at the rate of 1-2 fluid ounces per 1,000 cubic feet at room space. Do not remain in treated areas after application and leave the area closed for one hour. Ventilate the area thoroughly before occupants are allowed to re-enter. Repeat dosage as necessary for control.

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DILUTION: Use a white mineral oil conforming to regulation 21 CFR 178.3620 (b) or an odorless light petroleum hydrocarbon conforming to 21 CFR 172.882 or 40 CFR 180.1001 (c) & (e). Combine oil and BP-300 as directed below and mix well.

Active % Desired	Mixture Rate	Application Rate Per 1,000 Cu. Ft.
1.00	1 Part Concentrate to 2 Parts Oil	1 oz.
0.50	1 Part Concentrate to 5 Parts Oil	1 oz.
0.30	1 Part Concentrate to 9 Parts Oil	1 - 2 oz.
0.15	1 Part Concentrate to 19 Parts Oil	1 - 2 oz.

Space Spray - For control of flying and crawling insects in establishments operating under the Federal meat, poultry, shell egg grading and egg products inspection programs: Dilute concentrate with a white mineral oil or odorless light petroleum as listed in the above paragraph, at the rate of one part concentrate to two parts oil, and mix well. Do not apply while food processing is underway. Cover or remove any exposed food. Cover equipment that will be in direct contact with food. Close doors and windows and shut off all ventilating equipment prior to application. Using Micro-Gen ULD equipment adjusted to deliver aerosol droplets (30 microns or less), apply one ounce per 1,000 cubic feet of space. Leave room closed for one hour after application and ventilate thoroughly before occupants are allowed to re-enter. Before processing begins, wash down all equipment, benches, shelving, etc., where exposed food will be handled, with an effective cleaning compound followed by a potable water rinse. Repeat application as necessary for control.

DEEP VOID CRACK & CREVICE APPLICATION - To flush and kill insects harbored in deep voids and behind cracks and crevices.

Spot Application: With equipment designed for deep void Ultra low volume (ULV) application follow the manufacture's recommendation for proper equipment setup and operating pressures. Place the tip of the applicator at or into the crack and crevice to be treated. Apply product in short bursts while keeping tip in position. Allow the air stream to push insecticide deep into voids. Repeat application as necessary to flush insects from voids. Avoid applying to the point of runoff or drip. Ventilate thoroughly before occupants are allowed to re-enter.

Linear application along baseboards, trim, molding, etc.: With equipment designed for deep void ULV application, move applicator tip along the crevice to be treated applying a constant burst of insecticide. Move the tip at a steady rate of approximately one (1) foot per second. Avoid applying to the point of runoff or drip. Repeat application as necessary to flush insects from the void. Ventilate thoroughly before occupants are allowed to re-enter.

**FOR USE ON ANIMALS:**

Dilute one (1) part concentrate to 5 parts oil and mix well. To protect beef and dairy cattle, horses and dogs from horn flies, house flies, mosquitos and gnats, apply a light mist sufficient to wet the tips of the hair. To control Stable flies, horse flies and deer flies on beef and dairy cattle and horses, apply 2 oz. per adult animal, sufficient to wet the hair but not to soak the hide. Repeat treatment once or twice daily or at intervals to give continued protection. To control the motile stages of blood sucking lice on beef and dairy cattle, apply the spray to thoroughly wet the hair. Use 2 oz. or less per animal and repeat every 2 to 3 weeks as required.

Outdoor Ground Fogging Application - Use diluted to kill flies, mosquitos and gnats. Dilute concentrate with petroleum distillate at the rate of one part concentrate to two parts oil and mix well. Use at a time when the temperature is cool (75°F or less) and the wind velocity is approximately five MPH.

Handheld equipment - When using ULD equipment such as Micro-Gen equipment, apply at the rate of 4.0 oz. per acre. Figure application travel path for a coverage of a fifty (50) foot swath. Allow spray drift to penetrate dense foliage. Repeat application as required for control.

Truck Mounted Equipment - When using Micro-Gen ULD or similar truck-mounted equipment, spray at a dosage rate of fifteen (15) ounces per minute from location up-wind of the areas where insects are to be controlled. Figure application travel path for coverage of a three hundred (300) foot swath. Keep the speed of vehicle to approximately five MPH. Repeat application as required for control.

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In addition to sites listed on front panel ULD BP-300 Insecticide is acceptable for use in the following sites:

## INDOOR:

Animal areas & quarters	Mushroom Processing Plants
Auditoriums	Nursing Homes
Bakeries	Offices
Beverage plants	Passenger Rail Cars
Boats	Peanut Processing Plants
Bottling Plants	Peanut Storage Warehouses
Brandy Storage Warehouses	Poultry Houses
Buildings	Poultry Processing Plants
Buses	Prisons
Cabins	Public Buildings
Canneries	Rabbit Processing Plants
Cattle Barns	Rabbit Houses
Churches	Railroad Cars
Closets	Recreational Vehicles
Condominiums	Research Animal Areas
Communication Centers	Restaurants
Correctional Facilities	Restrooms
Dairy & Livestock Barns	Rice Mills
Dried fruit Processing Plants	Shade Houses
Drains & Sewers	Ships
Dried Fruit Warehouses	Shipholds
Drugstores	Stables
Dumpsters	Stable Bins
Dwellings	Stored Food in Multi-walled Paper or Cloth Bags
Egg Processing Plants	Stored Seed Warehouses
Factories	Stores
Flour Mills	Supermarkets
Food Handling Establishments	Swine Houses
Food Processing Plants	Textile Mills & Warehouses
Freight Containers	Theaters
Fruit Packing Shed	Tobacco Plants
Garbage Cans	Tobacco Warehouses
Garbage Compactors	Townhouses
Goat Houses	Trains
Grain Elevators	Transportation Equipment
Grain Mills	Trucks
Grain Handling Equipment	Truck Trailers
Granaries	Utilities
Homes	Utility Rooms
Horse Stables/Barns	

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Hospices  
Industrial Installations  
Institutions  
Jails  
Laboratories  
Libraries  
Livestock Barns  
Loafing Sheds  
Locker Rooms  
Mills  
Mausoleums  
Meat Packing Plant  
Milk Rooms  
Missions  
Mobile Homes  
Museums

Voids (Attics, Walls, Ceilings)  
Warehouses  
Wineries  
Wine Storage Warehouses  
Zoo

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**OUTDOOR:**

Campgrounds  
Corrals  
Drive-In Restaurants  
Drive-In Theaters  
Dumpsters  
Feedlots  
Garbage Dumps  
Golf Courses  
Junkyards  
Kennels

Landscapes  
Lath Houses  
Manure Piles  
Parks  
Plantscapes  
Playgrounds  
Recreational Areas  
Sewers  
Swineyards  
Zoos

ULD BP-300 Insecticide is also effective against the following insects when used according to label directions:

Flying Insects:	Crawling Insects, Cont...:	Cereal Beetle
Flies	Cabbage Worms	Hide Beetle
Horse Fly	Chrysanthemum Leaf Miners	Depressed Flour Beetle
House Fly	Mealy Bugs	TwoBanded Beetle
Barn Fly	Vegetable Leaf Miners	Fungus Beetle
Stable Fly		Hairy Fungus Beetle
Face Fly	Fleas and Ticks:	Corn Sap Beetle
Skipper Fly	Brown Dog Tick	Brown Spider Beetle
Deer Fly	Sheep Tick	White Marked Spider Beetle
Black Fly	Spinos Ear Tick	Hairy Spider Beetle
Horn Fly	Fleas	Trogoderma Beetle
Mushroom Fly	Ticks	Red Horned Grain Beetle
Fungus Gnats		Khapra beetle
Hornets	Spiders & Mites:	Merchants Grain Beetle
Bees	Paper Mite	Rusty Grain Beetle
Vinegar Fly	Clover Mite	Black Carpet Beetle
Yellow Jacket	Cheese Mite	Squarenecked Grain Beetle
Blow Fly	Grain Mite	Foreign Grain Beetle
Bottle Fly	Red Spider Mite	Mexican Grain Beetle
Cheese Skippers	Spider Mite	American Black Flour Beetle
Aphids		Longheaded Flour Beetle
White Flies	Lice:	Slenderhorned Flour Beetle
Thrips	Moulting Stages of Yellow	Smalleyed Flour Beetle
Grain Borers:	Lice & Sucking Blue	Broadhorned Flour Beetle
Lesser Grain Borer	Lice	Large Black Flour Beetle
Larger Grain Borer		Catorama Beetle
	Worms:	Murmidius Beetle
Crawling Insects:	Dark Mealworm	
Book Lice	Yellow Mealworm	Weevils:
Scorpions	Lesser Mealworm	Bean Weevil
Centipede		Maize Weevil
Sowbugs	Beetles:	Coffee Bean Weevil
Millipedes	Black Fungus Beetle	Broadnosed Grain Weevil
Pill Bugs	Drugstore Beetle	
Firebrats	Red Flour Beetle	Moths:
Bed Bugs	Spider beetle	Clothes Moth
Palmetto Bugs	Carpet Beetle	Almond Moth
Chiggers	Ground beetle	Cocoa Bean Moth
Fire Ants	Darkling Beetle	Chocolate Moth
Grasshoppers	Flat Grain Beetle	Rice Moth
Cabbage Loopers	Dried Fruit Beetle	European Grain Moth
	DermeStid Beetle	Pink Scavenger Caterpillar