

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-50 Insecticide  
EPA Registration Number 499-453  
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.
2. Delete the aircraft from the list of acceptable sites. The Agency required this change in its letter dated December 23, 1991.
3. Move the use sites "Shade Houses" and "Ships" to appear with the list of acceptable uses.
4. Move the list of weevils controlled by the product to the list of insect pests.

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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

3710

**ULD  
BP-50  
INSECTICIDE**

Designed for Use in Edible Product Areas of Official Establishments Operating Under the Federal Meat, Poultry, Shell Egg Grading and Egg Products Inspection Programs and in Other Food Processing Plants.

Also for use in other sites, see back panel

**ACTIVE INGREDIENTS:**

Pyrethrins .....	0.5%
*Piperonyl Butoxide, Technical .....	5.0%

\* Equivalent to 4.0% (Butylcarbityl) (6-propylpiperonyl) ether and to 1.0% related compounds.

**INERT INGREDIENTS:** ..... 94.5%

Contains Petroleum Distillate

**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. 499-453  
EPA EST. NO. 499-MO-1

Net Contents:

ULTRA-LOW DOSAGE THROUGH MICRON GENERATION

**BEST AVAILABLE COPY**

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

JAN 23 1987

Under the Federal Insecticide,  
Fungicide and Rodenticide Act  
and Executive Order 12473  
Registered under EPA Reg. No.  
499-453

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

Keep out of reach of children. **CAUTION:** 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 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. Remove pets, birds, cover fish aquariums and turn off air pump motor before spraying.

**STATEMENT OF PRACTICAL TREATMENT**

**IF SWALLOWED** - Contains petroleum distillate. Call a physician or Poison Control Center immediately.

**DO NOT INDUCE VOMITING - VOMITING MAY CAUSE ASPIRATION PNEUMONIA.**

**IF INHALED** - Remove victim to fresh air and apply respiration if needed.

**IF ON SKIN** - Remove contaminated clothing, wash promptly with soap and water.

**IF IN EYES** - Flush eyes with plenty of water.

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish. Keep out of lakes, streams, or ponds. 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 an 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 areas before spraying.

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### STORAGE AND DISPOSAL

1. Do not contaminate water, food, or feed by storage or disposal.
2. Pesticide Disposal  
Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility
3. Container Disposal  
Triple rinse (or equivalent). Then offer for recycling or reconditions, 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.

Dependent upon insects to be controlled and the area to be treated, this product may be applied through mechanical aerosol or ULV generators such as Micro-Gen equipment, as well as thermal and conventional fogging or spraying equipment.

#### Space Spray - Indoor

For control of accessible, exposed stages of flies, including fruit flies, mosquitoes, small flying moths, gnats, wasps, hornets, cheese skippers, and these common stored product pests: granary weevils, rice weevils, confused flour beetles, saw-toothed grain beetles, spider beetles, cigarette beetles, Drugstore beetles, Angoumois grain moths, Mediterranean flour moths, Indian meal moths, Tobacco moths, meal worms, and grain mites. Close windows and doors and shut off ventilating systems. Use a fogger or vaporizer adjusted to deliver an aerosol spray (no droplets over 50 microns in diameter and 80% less than 30 microns). Apply at the rate of 1 ounce per 1,000 cubic feet of the area behind obstructions. For best control of wasps and hornets, apply directly to nests in the evening when the insects have returned to nests. Keep the area closed for at least 15 minutes. Vacate the treated area and ventilate before reoccupying. Repeat treatment as necessary.

#### Space and Contact Spray

Use full strength or dilute as desired according to dilution table listed on side and apply through equipment which can deliver a pin stream spray. For control of accessible exposed stages of silverfish, crickets, roaches, spiders, scorpions, clover mites, cheese mites, earwigs, and ants, first

using equipment which can deliver a pin stream spray, direct spray in all cracks and crevices in woodwork, walls, floors, underneath sinks, behind pipes and in all places where these insects are known to seek shelter. Contact as many insects as possible, spray directly all ant trails. Do not allow spray to contact stored food. Then, shutting all doors, windows, and shutting off all ventilating systems proceed with space spraying directions as given above. Use a dosage rate of 1 ounce per 1,000 cubic feet of space or if diluted 1-2 ounces per 1,000 cubic feet. Keep areas closed for at least 15 minutes. Vacate the treated area and ventilate before reoccupying. Repeat treatment as necessary.

**DILUTION:** Use a white mineral oil conforming to regulation 21 CFR 121.2589 (b), or an odorless light petroleum hydrocarbon conforming to 121.1182. Combine oil and BP-50 as directed below and mix well just prior to application.

Active % Desired	Mixture Rate	Application Rate per 1,000 cu. ft.
0.30	2/3 Parts Concentrate to 1 Part Oil	1-2 oz.
.015	1/3 Parts Concentrate to 1 Part Oil	1-2 oz.

**FOR USE ON ANIMALS:**

To protect beef and dairy cattle, horses and dogs from horn flies, house flies, mosquitoes 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.

**Deep Void Crack and 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) applications follow the manufacturer's recommendations 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

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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.

**In mushroom processing:**

In packing and canning plants, use at a rate of 1 ounce to 2,000 cubic feet of space.

ULD is a trademark of Micro-Gen Equipment Corp.

In addition to sites listed on front panel ULD BP-50 Insecticide is acceptable for use in the following sites:

**INDOOR**

- |                               |                              |
|-------------------------------|------------------------------|
| Aircraft                      | Factories                    |
| Animal areas & quarters       | Flour Mills                  |
| Auditoriums                   | Food Handling Establishments |
| Bakeries                      | Food Processing Plants       |
| Beverage Plants               | Freight Containers           |
| Boats                         | Fruit Packing Shed           |
| Bottling Plants               | Garbage Cans                 |
| Brandy Storage Warehouses     | Garbage Compactors           |
| Buildings                     | Goat Houses                  |
| Buses                         | Grain Elevators              |
| Cabins                        | Grain Mills                  |
| Canneries                     | Grain Handling Equipment     |
| Cattle Barns                  | Granaries                    |
| Churches                      | Homes                        |
| Closets                       | Horse Stables / Barns        |
| Condominiums                  | Hospices                     |
| Communications Centers        | Industrial Installations     |
| Correctional Facilities       | Institutions                 |
| Dairy & Livestock Barns       | Jails                        |
| Dried Fruit Processing Plants | Laboratories                 |
| Drains & Sewers               | Libraries                    |
| Dried Fruit Warehouses        | Livestock Barns              |
| Drugstores                    | Loafing Sheds                |
| Dumpsters                     | Locker Rooms                 |
| Dwellings                     | Mills                        |
| Egg Processing Plants         | Mausoleums                   |

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- Meat Packing Plant
- Milk Rooms
- Missions
- Mobile Homes
- Museums
- Mushrooms Processing Plants
- Nursing Homes
- Offices
- Office Buildings
- Passenger Rail Cars
- Peanut Processing Plant
- Peanut Storage Warehouses
- Planes
- Poultry Houses
- Poultry Processing Plants
- Prisons
- Public Buildings
- Rabbit Processing Plants
- Rabbit Houses
- Railroad Cars
- Recreational Vehicles
- Research Animal Areas
- Restaurants
- Restrooms
- Rice Mills
- Shipholds
- Stables
- Stable Bins
- Stored Food in Multi-walled Paper or Clothes Bags
- Stored Seed Warehouses
- Stores
- Supermarkets
- Swine Houses
- Textile Mills & Warehouses
- Theaters
- Tobacco Plants
- Tobacco Warehouses
- Townhouses
- Trains
- Transportation Equipment
- Trucks
- Truck Trailers
- Utilities
- Utility Rooms
- Voids (Attics, Walls, Ceilings)
- Warehouses
- Wineries
- Wine Storage Warehouses
- Zoos

**WEEVILS:**

- Rice Weevil
- Granary Weevil
- Bean Weevil
- Maize Weevil
- Coffee Bean Weevil
- Broadnosed Grain Weevil

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- Shade Houses
- Ships

ULD BP-50 Insecticide is also effective against the following insects when used according to label directions:

**FLYING INSECTS:**

- |             |                 |
|-------------|-----------------|
| Flies       | Horn Fly        |
| Mosquitoes  | Mushroom Fly    |
| Gnats       | Fungus Gnats    |
| Fruit Fly   | Wasp            |
| Horse Fly   | Hornets         |
| House Fly   | Bees            |
| Barn Fly    | Vinegar Fly     |
| Stable Fly  | Yellow Jacket   |
| Face Fly    | Blow Fly        |
| Skipper Fly | Bottle Fly      |
| Deer Fly    | Cheese Skippers |
| Black Fly   |                 |

**FLEA AND TICK CONTROL:**

- |                  |       |
|------------------|-------|
| Brown Dog Tick   | Fleas |
| Sheep Tick       | Ticks |
| Spinous Ear Tick |       |

**SPIDERS & MITES:**

- |            |             |
|------------|-------------|
| Spiders    | Clover Mite |
| Mites      | Cheese Mite |
| Paper mite | Grain Mite  |

**GREENHOUSE & HORTICULTURAL PESTS:**

- |                           |                              |
|---------------------------|------------------------------|
| Aphids                    | Red Spider Mites             |
| Cabbage Loopers           | Spider Mites                 |
| Cabbage Worms             | Thrips Vegetable Leaf Miners |
| Chrysanthemum Leaf Miners | White Flies                  |
| Mealy Bugs                |                              |

**GRAIN BORERS:**

- Lesser Grain Borer
- Larger Grain Borer

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**CRAWLING INSECT CONTROL.**

Firebrats  
Bed Bugs  
Palmetto Bugs  
Chiggers  
Fire Ants  
Grasshoppers

Cockroaches  
Scorpions  
Centipede  
Sowbugs  
Millipedes  
Pill Bugs  
Water Bugs

**WORMS**

Dark Mealworm  
Yellow Mealworm  
Lesser Mealworm

**BEETLES**

Black Fungus Beetle  
Drugstore Beetle  
Red Flour Beetle  
Saw Tooth Grain Beetle  
Spider Beetle  
Carpet Beetle  
Ground Beetle  
Flat Grain Beetle  
Dried Fruit Beetle  
Dermestid Beetle  
Cereal Beetle  
Hide Beetle  
Depressed Flour Beetle  
Two Banded Beetle  
Fungus Beetle  
Hairy Fungus Beetle  
Corn Sap Beetle  
Brown Spider Beetle  
White Marked Spider Beetle

Hairy Spider Beetle  
Trogoderma Beetle  
Red Horned Grain Beetle  
Copra Beetle  
Merchants Grain Beetle  
Rusty Grain Beetle  
Black Carpet Beetle  
Squarenecked Grain Beetle  
Foreign Grain Beetle  
Mexican Grain Beetle  
American Black Flour Beetle  
Longheaded Flour Beetle  
Slenderhorned Flour Beetle  
Small-eyed Flour Beetle  
Broadhorned Flour Beetle  
Large Black Flour Beetle  
Catorama Beetle  
Murmidius Beetle

**MOTHS**

Mediterranean Moth  
Clothes Moth  
Almond Moth  
Cocoa Bean Moth

Chocolate Moth  
Rice Moth  
European Grain Moth  
Pink Scavenger Caterpillar