

499-453

1/10/2006

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

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Ms. Patricia Hodge, Registration Specialist
Whitmire Micro-Gen Research Laboratories, Inc
3568 Tree Court Industrial Blvd
St. Louis, Mo 63122-6682

JAN 10 2006

Dear Ms. Hodge,

Subject: Label Amendment to Add Statements Consistent with PR Notice 2005-1
EPA Registration No. 499-453
Product Name: ULD BP-50 Insecticide

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

1. Page 1 - Container Label front panel
 - a. Change the word "Controls" to "**Kills**". Otherwise, this implies that this product is a residual pesticide, and there is no data available in the Agency's files to substantiate any residual claims.
2. Page 2 - Container Label back panel
 - a. Revise the sentence "Dependent upon insects to be controlled and the area to be treated..." to: "**Dependent upon insects to be killed and the area to be treated...**" Refer to 1.a. above for discussion.
 - b. Within the Storage and Disposal section revise the statement "Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility." to: "**Wastes resulting from the use of this product may be disposed of on site in accordance with the label directions, or at an approved waste disposal facility.**"
3. Page 5 - Complete Label
 - a. Abbreviate the "**Caution**" section of the "Hazards to Humans and Domestic Animals" by retaining only the first four sentences. Move the remaining text to the Directions for Use as follows:

Use Restrictions

- Apply this product only as specified on this label.
- Do not remain in treated area.
- Do not allow adults, children, or pets to enter until treated area has been thoroughly ventilated.
- Do not apply directly to food.
- Remove and cover all food and water before use.
- Remove or cover dishes, utensils, food processing equipment, and food preparation surfaces before use, or wash them thoroughly after ventilation of treated area.
- All food processing surfaces and equipment should be covered or washed with an effective cleaning compound followed by a potable water rinse after use of this product.
- Remove pets, birds and cover fish aquariums and turn off air pump motor before application.
- In health care facilities, remove patients prior to treatment and thoroughly ventilate treated area for two hours before returning patients.

b. Environmental Hazards section: Delete the statement "Apply this product only as specified on this label."

c. Revise the **Environmental Hazards** section as follows:

ENVIRONMENTAL HAZARDS

This pesticide is highly toxic to fish. Do not contaminate bodies of water when disposing of equipment rinsate or washwaters.

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. Drift from treated areas may be hazardous to organisms in adjacent aquatic sites. Do not contaminate water when disposing of equipment washwaters."

WIDE-AREA MOSQUITO CONTROL APPLICATIONS BY GROUND OR AERIAL EQUIPMENT.

Runoff from treated areas or deposition of spray droplets into a body of water may be hazardous to fish. Before making the first application in a season, it is advisable to consult with the state or tribal agency with primary responsibility for pesticide regulation to determine if other regulatory requirements exist. Do not apply over bodies of water (lakes, rivers, permanent streams, natural ponds, commercial fish ponds, swamps, marshes or estuaries) except when necessary to target areas where adult mosquitoes are present, and weather conditions will facilitate movement of applied material away from the water in order to minimize incidental deposition into the water body.

Do not apply to blooming crops or weeds when bees are visiting the treatment area, except when applications are made to prevent or control a threat to public and/or animal health determined by the state, tribal or local health or vector control agency on the basis of documented evidence of disease causing agents in vector mosquitoes or the occurrence of mosquito-borne disease in animal or human populations, or if specifically approved by the state or tribe during a natural disaster recovery effort.

- c. Within the subsection entitled "SPACE SPRAY APPLICATION" revise the statement "Repeat applications as necessary for insect control." to "**Reapply once/day, if retreatment is necessary.**"
- 4. Page 6 - Complete Label
 - a. Within the subsection entitled "Space and Contact Spray" " revise the statement "Repeat applications as necessary for insect control." to "**Reapply once/day, if retreatment is necessary.**"
 - b. Within the subsection entitled "DILUTION" add the citation "**40 CFR 180.910 Inert ingredients used pre and post-harvest; exemptions from the requirement of a tolerance, and 180.930 Inert ingredients applied to animals; exemptions from the requirement of a tolerance.**"
 - c. Explain the application and use under the subsection entitled "**Deep Crack & Crevice Application.**"
 - d. Within the subsections entitled "**Spot Application**" and "**Linear Application Along Baseboards, Trim Molding, etc.**" revise the statement "Repeat applications as necessary to flush insects from voids." to "**Reapply once/day, if retreatment is necessary.**"

OUTDOOR USE-Mosquito Control & PR Notice 2005-1

- 5. Page 6 & 7 & 8 - Complete Label
 - a. **Handheld Equipment** - combine these instructions with the backpack section.
 - b. **Truck Mounted Equipment** - Delete this section and incorporate language into the Truck Mounted ULV Application section.
 - a. Retain the applicator statement but remove the Precautionary Statements Section, all associated subtitles and associated language. These statements are located on the label as described above.
 - b. Delete the statement: "Treatment of vegetation at the water's edge is permitted by allowing the wind to move the product into the vegetation."
 - c. List the use rates for the *Wide Area Mosquito Control* in lbs/acre instead of oz. per 1,000 cubic feet. You must also list on the front panel of the container label the specific weight of the active ingredient (pyrethrin) in lbs per gallon.
 - d. The Agency is recommending the inclusion of % concentration of pyrethrin in the diluted solutions described on the label in addition to "dilution by parts". Note that the efficacy data were collected in the range of 0.1% to 0.5%.
 - e. In the mosquito control directions for use, state the range of pyrethrin and PBO application rates for mosquito control in addition to the highest rate in pounds per acre. I suggest you specify the maximum amount of pyrethrin and PBO to apply in 24 hour and one year periods because it is important to environmental risk assessment evaluations.
 - f. Within the subsection entitled "DILUTION", remove the reference to 40CFR 180.1001(c) & (e) and add the citation "**40 CFR 180.910 Inert ingredients used pre and post-harvest; exemptions from the requirement of a tolerance, and 180.930 Inert ingredients applied to animals; exemptions from the requirement of a tolerance.**"

- g. For ease of applicator use, please add a table to the mosquito control directions providing examples of how much product to add to a specified volume of diluent to achieve the desired dilution, together with directives indicating the volumes of neat or diluted product to apply per acre at specified truck speeds. Include similar instructions for backpack and aerial applications also. These tables must be easy to read.
8. Page 7 – Complete Label
- c. Within the Storage and Disposal section revise the statement “Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.” to: **“Wastes resulting from the use of this product may be disposed of on site in accordance with the label directions, or at an approved waste disposal facility.”**
- d. Within the subtitle **“FOR USE ON ANIMALS”**, insert the following statement: **“Do not use on Dogs or Cats.”**
- e. Within the subtitle **“FOR USE ON ANIMALS”**, insert or revise existing statements to the following

Use Restrictions:

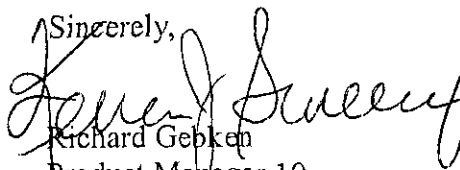
- Do not apply more than 1 time per day.
- Do not reapply within 1 day.
- Do not remain in treated area.
- Do not allow unprotected persons to enter until treated area has been thoroughly ventilated

- f. Delete the statement “at intervals to give continued protection.”

It should be noted that Chapter 11 of the Label Review Manual and PR Notice 2005-1 were used to provide guidance for the aforementioned corrections listed for this product. The term “Control” with regards to pests, involves the submission of data to substantiate a sustained killing potential from a single application. In the absence of residual data to substantiate this claim, this product contains data for kill claims only.

You must submit five copies of the revised finished labeling within 60 days of the receipt of this letter. If you have any questions, please contact Richard J. Gebken, at (703) 305-6701. Thank you for your cooperation in this matter.

Sincerely,



Richard Gebken
Product Manager 10
Insecticide Branch
Registration Division (7505C)

Enclosure

5 8 14

[CONTAINER LABEL -- FRONT PANEL]

BP-50 v7.0- 11/05

ULD® BP-50

Insecticide

CONTROLS: Ants, Angoumois Grain Moths, Cockroaches, Flies, Granary Weevils, Indian Meal Moths, Mites, Mosquitoes, Rice Weevils, Spiders,

FOR USE IN AND AROUND: Animal areas & quarters, Bakeries, Cattle Barns, Dairy & Livestock Barns, Egg Processing Plants, Food Handling Establishments, Food Processing Plants, Homes, Industrial Installations, Meat Packing Plants, Milk Rooms, Nursing Homes, Office Buildings, Poultry Houses, Poultry Processing Plants, Restaurants

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.

See complete label for additional insects and use sites.

ACTIVE INGREDIENT:

Pyrethrins, a botanical insecticide 0.5%

Piperonyl butoxide, technical* 5.0%

OTHER INGREDIENTS: 94.5%

Contains Petroleum Distillate TOTAL: 100.0%

* Equivalent to 4.0% (Butylcarbityl)(6-Propylpiperonyl) Ether and 1.0% related compounds

KEEP OUT OF REACH OF CHILDREN

CAUTION

See back panel for additional Precautionary Statements.

EPA Reg. No. 499-453 • EPA Est. No. 499-MO-1

ULTRA LOW DOSAGE THROUGH MICRON GENERATION

NET CONTENTS:



WHITMIRE MICRO-GEN

RESEARCH LABORATORIES, INC.
800-777-8570 www.wmmg.com

ACCEPTED
with **COMMENTS**
In EPA Letter Dated:
JAN 10 2006

Under the Federal Insecticide,
Fungicide and Rodenticide Act,
as an for the pesticide
regis' under EPA Reg. No.
499-453

FIRST AID

IF SWALLOWED: Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by poison control center or doctor. Do not give ANY liquid to the person. Do not give anything by mouth to an unconscious person.
IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.
IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. 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 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. 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 call 1-800-225-3320 for emergency medical treatment information.

NOTE TO PHYSICIAN: Contains petroleum distillate - vomiting may cause aspiration pneumonia.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

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. Foods should be removed or covered during treatment. All food processing surfaces and equipment should be covered during treatment or washed with an effective cleaning compound followed by a potable water rinse. Do not apply while food processing is underway. In the home, all food processing surfaces, dishes and utensils should be covered during treatment, or thoroughly washed before use. Remove pets, birds, and cover fish aquariums and turn off air pump motor before spraying.

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 OR 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.

DIRECTIONS FOR USE

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

See additional labeling for complete Directions for Use.

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 Whitmire Micro-Gen equipment, as well as thermal and conventional fogging or spraying equipment.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in original container in secured dry storage area. If container is damaged or spill occurs, use product immediately or dispose of product and damaged container as indicated 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 Gallon or 2.5 Gallon Bottles - 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 or call 1-800-CLEANUP for disposal instructions. NEVER PLACE UNUSED PRODUCT DOWN ANY INDOOR OR OUTDOOR DRAIN!

55 Gallon Drum - Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.)

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[CONTAINER LABEL – BACK PANEL]

BP-50 v.7.0-11/05

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

© 2005 Whitmire Micro-Gen Research Laboratories, Inc.

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[Full LABEL – FRONT PANEL]

BP-50 v.7.0 – 11/05

ULD® BP-50
Insecticide

CONTROLS: Ants, Angoumois Grain Moths, Cockroaches, Flies, Granary Weevils, Indian Meal Moths, Mites, Mosquitoes, Rice Weevils, Spiders,

FOR USE IN AND AROUND: *Animal areas & quarters, Bakeries, Cattle Barns, Dairy & Livestock Barns, Egg Processing Plants, Flood Handling Establishments, Food Processing Plants, Homes, Industrial Installations, Meat Packing Plants, Milk Rooms, Nursing Homes, Office Buildings, Poultry Houses, Poultry Processing Plants, Restaurants*

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.

See complete label for additional insects and use sites.

ACTIVE INGREDIENT:

Pyrethrins, a botanical insecticide 0.5%

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OTHER INGREDIENTS: 94.5%

Contains Petroleum Distillate TOTAL: 100.0%

* Equivalent to 4.0% (Butylcarbityl)(6-Propylpiperonyl) Ether and 1.0% related compounds

KEEP OUT OF REACH OF CHILDREN
CAUTION

See back panel for additional Precautionary Statements.

EPA Reg. No. 499-453 • EPA Est. No. 499-MO-1

ULTRA LOW DOSAGE THROUGH MICRON GENERATION

NET CONTENTS:



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

FIRST AID

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IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. 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 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. 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 call 1-800-225-3320 for emergency medical treatment information.

NOTE TO PHYSICIAN: Contains petroleum distillate - vomiting may cause aspiration pneumonia.

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

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. Foods should be removed or covered during treatment. All food processing surfaces and equipment should be covered during treatment or washed with an effective cleaning compound followed by a potable water rinse. Do not apply while food processing is underway. In the home, all food processing surfaces, dishes and utensils should be covered during treatment, or thoroughly washed before use. Remove pets, birds, and cover fish aquariums and turn off air pump motor before spraying.

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 OR 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.

DIRECTIONS FOR USE

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

See additional labeling for complete Directions for Use.

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 Whitmire Micro-Gen equipment, as well as thermal and conventional fogging or spraying equipment.

DIRECTIONS FOR USE

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

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 Whitmire 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 space. Direct the spray toward the ceiling and upper corners of the area behind obstructions. For best control of wasps and hornets, apply directly to nests in

[FULL LABELING]

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 re-occupying. Repeat treatment as necessary.

SPACE AND CONTACT SPRAY: Use full strength or dilute as desired according to dilution table 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 the area closed for at least 15 minutes. Vacate the treated area and ventilate before re-occupying. 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.

<u>Pyrethrin % Desired</u>	<u>Mixture Rate</u>	<u>Application Rate Per 1,000 Cu. Ft.</u>
0.30	3 Part Conc. to 2 Parts Oil	1-2 oz.
0.15	3 Part Conc. to 7 Parts Oil	1-2 oz.

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) 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 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.

OUTDOOR USE

OUTDOOR GROUND FOGGING APPLICATION: Use to kill flies, mosquitoes and gnats in open areas near buildings and in campgrounds. Use preferably at a time when temperature is cool (75°F or less) and the wind velocity is approximately five (5) MPH or less.

HANDHELD EQUIPMENT: When using equipment such as Whitmire Micro-Gen ULV 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.

(For wide area community applications, see the Wide Area Mosquito Control section for appropriate Precautions and Directions for Use.

WIDE AREA MOSQUITO CONTROL

(For wide area community applications by ground or aerial equipment, Ultra Low Volume (ULV) sprays or fogs.)
For use only by federal, state, tribal, or local government officials responsible for public health or vector control, or by persons certified in the appropriate category or otherwise authorized by the state or tribal lead pesticide regulatory agency to perform adult mosquito control applications, or by persons under their direct supervision.

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed or inhaled. Avoid breathing spray mist. Causes eye irritation. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling.

ENVIRONMENTAL HAZARDS

This pesticide is highly toxic to fish. Runoff from treated areas or deposition of spray droplets into a body of water may be hazardous to fish. Before making the first application in a season, it is advisable to consult with the state or tribal agency with primary responsibility for pesticide regulation to determine if other regulatory requirements exist.

Do not apply over bodies of water (lakes, rivers, permanent streams, natural ponds, commercial fish ponds, swamps, marshes or estuaries) except when necessary to target areas where adult mosquitoes are present, and weather conditions will facilitate movement of applied material away from the water in order to minimize incidental deposition into the water body. Do not contaminate bodies of water when disposing of equipment rinsate or washwaters.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.

DIRECTIONS FOR USE

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

OUTDOOR USE – MOSQUITO CONTROL

OUTDOOR GROUND FOGGING APPLICATION: Use to kill mosquitoes in open areas near buildings and in campgrounds. Use preferably at a time when temperature is cool (75°F or less) and the wind velocity is approximately five (5) MPH or less.

HANDHELD EQUIPMENT: When using equipment such as Whitmire Micro-Gen ULV 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 Whitmire Micro-Gen or similar truck mounted ULD equipment, spray at a dosage rate of fifteen (15) oz. per minute from a location up-wind of the areas where insects are to be controlled. Keep speed of vehicle to approximately five (5) MPH. Figure application travel path for a coverage of a three hundred (300) foot swath. Repeat application as required for control.

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-100 as directed below and mix well just prior to application.

Pyrethrin % Desired	Mixture Rate	Application Rate Per 1,000 Cu. Ft.
0.50%	1 Part Conc. to 1 Part Oil	1 oz.
0.30%	6 Part Conc. to 7 Parts Oil	1-2 oz.
0.15%	6 Part Conc. to 17 Parts Oil	1-2 oz.

BP-50 may be used for mosquito control programs involving residential, industrial, recreational and agricultural areas as well as swamps, marshes, overgrown waste areas, roadsides and pastures where adult mosquitoes occur. BP-50 may be used over agricultural crops. For best results, apply when meteorological conditions create a temperature inversion and wind speed does not exceed 5 miles per hour. The application should be made so the wind will carry the insecticidal fog into the area being treated. Do not re-treat a site more than once in 24 hours; no more than 14 applications should be made to a site in any 2 weeks. More frequent treatments may be made to prevent or control a threat to public and/or animal health determined by a state, tribal or local health or vector control agency on the basis of documented evidence of disease causing agents in vector mosquitoes or the occurrence of mosquito-borne disease in animal or human populations, or if specifically approved by the state or tribe during a natural disaster recovery effort.

When used in cold aerosol generators, mechanical or electronic foggers, or misting equipment that produce a fog with the majority of droplets in the 5 - 50 micron range, BP-50 should be diluted with light mineral oil (specific gravity of approximately 0.8 at 60°F, boiling point: 500-840°F). An N.F. grade oil is preferred.

GROUND-BASED AND AERIAL APPLICATION

To control adult mosquitoes and biting flies, apply up to 0.250 pounds of pyrethrins per acre (use a 300 foot swath width for acreage calculations). Treatment of vegetation at the water's edge is permitted by allowing the wind to move the product into the vegetation.

Spray equipment must be adjusted so that the volume median diameter is less than 50 microns ($Dv\ 0.5 < 50\ \mu m$) and that 90% of the spray is contained in droplets smaller than 100 microns ($Dv\ 0.9 < 100\ \mu m$). Directions from the equipment manufacturer or vendor, pesticide registrant or a test facility using a laser-based measurement instrument must be used to adjust equipment to produce acceptable droplet size spectra. Application equipment must be tested at least annually to confirm that pressure at the nozzle and nozzle flow rate(s) are properly calibrated.

TRUCK-MOUNTED ULV APPLICATION: Dilute 5 parts of BP-50 with 1 part of oil and apply at the rate of 2.50 ounces per minute while the machine is traveling 5 miles per hour. The nozzle should be positioned approximately 30 degrees above the horizontal off the side of the truck bed. The delivery rate and truck speed may be varied as long as the application rate is 0.250 pounds of pyrethrins per acre (use a 300 foot swath width for acreage calculations).

BACKPACK SPRAYER APPLICATION: Apply 0.250 pounds of pyrethrins per acre. Dilute 2 part BP-50 with 12 parts of oil and apply at the rate of 7 ounces per acre (based on a 50 foot swath, 7 ounces should be applied while walking 870 feet).

AERIAL APPLICATION (FIXED WING AND HELICOPTER): To control adult mosquitoes and biting flies, apply up to 0.250 pounds of pyrethrins per acre with equipment designed and operated to produce a ULV spray application.

FOR USE ON ANIMALS

To protect beef and dairy cattle and horses 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.

IN MUSHROOM PROCESSING

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

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in original container in secured dry storage area. If container is damaged or spill occurs, use product immediately or dispose of product and damaged container as indicated 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 Gallon or 2.5 Gallon Bottles - 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 or call 1-800-CLEANUP for disposal instructions. NEVER PLACE UNUSED PRODUCT DOWN ANY INDOOR OR OUTDOOR DRAIN!

55 Gallon Drum - Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.)

In addition to other sites listed, ULD BP-50 Insecticide is acceptable for use in the following sites:

INDOOR:

Animal areas & quarters
Auditoriums
Bakeries
Beverage Plants
Boats
Bottling Plants
Brandy Storage Warehouses
Buildings
Buses
Cabins
Canneries
Cattle Barns
Churches
Closets
Condominiums
Communication Centers
Correctional Facilities

Dairy & Livestock Barns
Dried Fruit Processing Plants
Drains & Sewers
Dried Fruit Warehouses
Drugstores
Dumpsters
Dwellings
Egg Processing Plants
Factories
Flour Mills
Food Handling Establishments
Food Processing Plants
Freight Containers
Fruit Packing Shed
Garbage Cans
Garbage Compactors
Goat Houses
Grain Elevators

Grain Mills
Grain Handling Equipment
Granaries
Homes
Horse Stables/Barns
Hospices
Industrial Installations
Institutions
Jails
Laboratories
Libraries
Livestock Barns
Loafing Sheds
Locker Rooms
Mills
Mausoleums
Meat Packing Plants
Milk Rooms

[FULL LABELING]

Missions
 Mobile Homes
 Museums
 Mushroom Processing Plants
 Nursing Homes
 Offices
 Office Buildings
 Passenger Rail Cars
 Peanut Processing Plants
 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
 Shade Houses
 Ships
 Shipholds
 Stables
 Stable Bins
 Stored Food in Multiwalled Paper or
 Cloth 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

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

FLYING INSECTS:

Barn Flies
 Bees
 Blow Flies
 Black Flies
 Bottle Flies
 Cheese Skippers
 Deer Flies
 Face Flies
 Flies
 Fruit Flies
 Fungus Gnats
 Horn Flies
 Horse Flies
 Hornets
 House Flies
 Gnats
 Mosquitoes
 Mushroom Flies
 Stable Flies
 Skipper Flies
 Vinegar Flies
 Wasps
 Yellow Jackets

WORMS:

Dark Mealworms
 Lesser Mealworms
 Yellow Mealworms

FLEAS AND TICKS:

Brown Dog Ticks
 Fleas
 Sheep Ticks
 Spinos Ear Ticks
 Ticks

BEETLES:

American Black Flour Beetles
 Black Fungus Beetles
 Black Carpet Beetles
 Brown Spider Beetles
 Broadhorned Flour Beetles
 Confused Flour Beetles
 Cigarette Beetle

Carpet Beetles
 Cereal Beetles
 Corn Sap Beetles
 Catorama Beetles
 Drugstore Beetles
 Dried Fruit Beetles
 Dermestid Beetles
 Depressed Flour Beetles
 Flat Grain Beetles
 Foreign Grain Beetles
 Fungus Beetles
 Ground Beetles
 Hairy Fungus Beetles
 Hairy Spider Beetles
 Hide Beetles
 Khapra Beetles
 Large Black Flour Beetles
 Longheaded Flour Beetles
 Merchants Grain Beetles
 Mexican Grain Beetles
 Murmidius Beetles
 Red Flour Beetles
 Red Horned Grain Beetles
 Rusty Grain Beetles
 Saw-Tooth Grain Beetles
 Spider Beetles
 Slenderhorned Flour Beetles
 Smalleyed Flour Beetles
 Squarenecked Grain Beetles
 Spider Beetle
 Two Banded Beetles
 Trogoderma Beetles
 White Marked Spider Beetles

CRAWLING INSECTS:

Ants
 Bedbugs
 Centipedes
 Chiggers
 Cockroaches
 Crickets
 Earwigs
 Firebrats
 Palmetto Bugs
 Fire Ants
 Grasshoppers

Millipedes
 Pill Bugs
 Scorpions
 Sowbugs
 Silverfish
 Water Bugs

SPIDERS & MITES:

Spiders
 Mites
 Clover Mites
 Cheese Mites
 Grain Mites
 Spider Mites
 Red Spider Mites

WEEVILS:

Bean Weevils
 Broadnosed Grain Weevils
 Coffee Bean Weevils
 Granary Weevils
 Maize Weevils
 Rice Weevils

MOTHS:

Almond Moths
 Augoumois Grain Moth
 Cocoa Bean Moths
 Chocolate Moths
 Clothes Moths
 European Grain Moths
 Indian Meal Moth
 Tobacco Moth
 Meal Moth
 Mediterranean Moths
 Pink Scavenger Caterpillars
 Rice Moths

GRAIN BORERS:

Larger Grain Borers
 Lesser Grain Borers

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BP-50 v7.0 -11/05

[FULL LABELING]

**GREENHOUSE &
HORTICULTURAL PESTS:**
Aphids

Cabbage Loopers
Cabbage Worms
Chrysanthemum Leaf Miners

Mealy Bugs
Thrips
Vegetable Leaf Miners

A Prescription Treatment® brand insecticide from:
Whitmire Micro-Gen Research Laboratories, Inc.
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