

499-450

02/16/2007

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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

FEB 16 2007

Dear Ms. Hodge,

Subject: Revised Finished Labeling to Add Statements Consistent with PR Notice 2005-1
EPA Registration No. 499-450
Product Name: ULD BP-300 Insecticide
Submission dated August 1, 2006

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:

OUTDOOR USE-Mosquito Control & PR Notice 2005-1

1. Pages 8 & 9 – Complete Label

a. **Modify the statement:** “For best results, apply when meteorological conditions create a temperature inversion and wind speed does not exceed 10 miles per hour.” to read “For best results, apply when meteorological conditions create a temperature inversion and wind speed is greater than 1 mph.”

b. **State a minimum temperature** for application. We suggest 50⁰ F.

c. **State a yearly limit on the number of applications and amount of active ingredient applied per year.** The label states one application per day as proposed or 365 applications per year with a limit of 0.0025 lbs per acre per day. (Please be aware that this is equivalent to a maximum of 0.9125 lbs pyrethrins per acre per year for the purpose of risk assessment.)

d. **Either delete or move the paragraph** “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 μ m range, BP-300 should be diluted with light mineral oil (specific gravity of approximately 0.8 at 60⁰ F, boiling point: 500-840⁰ F). An N.F. grade oil is preferred.” to the heading on page 9 “**Handheld and Backpack Equipment**”.

e. **GROUND ULV.** PR Notice 2005-1 clearly states that sections on Ground ULV and Aerial Application droplet size determinations should be on the label. The language on your label only includes the Ground ULV language with droplet sizes that are unlikely to be efficacious with Ground ULV applications. The droplet sizes for Ground ULV are

not supported by your efficacy data. The 50 micron VMD value proposed is unlikely to kill mosquitoes. We suggest a VMD in the 30 micron size range. The 100 micron Dv 0.9 value results in too many large drops and low levels of efficacy. We suggest a Dv 0.9 droplet value in the 40-50 micron range.

Revise as follows:

“Ground-based applications: Spray equipment must be adjusted so that volume median diameter is less [X= value provided by Whitmire] microns ($Dv\ 0.5 < X\ \mu m$) and that 90% of the spray is contained in droplets smaller than [Y = value to be provided by Whitmire] microns ($Dv\ 0.9 < Y\ \mu m$). 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.”

f. **Aerial Application.** The droplet size language from PR Notice 2005-1 is not included. Based on your proposed label, a VMD ($Dv\ 0.5 < 50$ microns) and a $Dv\ 0.9 < 100$ microns appears appropriate. Add the following:

“Aerial Application: Spray equipment must be adjusted so that the volume median diameter produced is less than [A = value to be provided by Whitmire] microns ($Dv\ 0.5 < A\ \mu m$) and that 90% of the spray is contained in droplets smaller than [B = value to be provided by Whitmire] microns ($Dv\ 0.9 < B\ \mu m$). The effects of flight speed and, for non-rotary nozzles, nozzle angle on the droplet size spectrum must be considered. Directions from the equipment manufacturer or vendor, pesticide registrant or a test facility using a wind tunnel and laser-based measurement instrument must be used to adjust equipment to produce acceptable 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.”

g. Truck mounted application. Add a table to the mosquito control directions providing examples of how much product to add to a specified amount of diluent to achieve the desired dilution, together with directives indicating the volume of dilution to apply per acre (flow rate) at specific truck speeds.” The revised label does not include the requested table but describes the dilution of product without mention of flow rate at the truck speeds of 5-10 mph, except to say that the applicator may spray at a volume up to 15 ounces per minute to deliver a maximum application rate of 0.0025 lbs/acre. The directions also mention that the flow rate may vary as long as the 0.0025 lbs./acre pyrethrins application rate is not exceeded using a 300 feet swath calculation.

Delete the reference to applying 0.25 lbs pyrethrins/acre. Revise the truck mounted application section of the label to include the table described above. The flow rate of the sprayer pump should be stated for the corresponding vehicle speed. We suggest 5 mph increments i.e., 5 mph, 10 mph, 15 mph, and 20 mph. The flow rate must

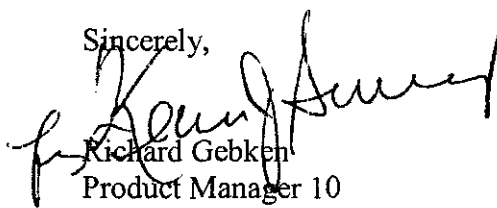
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increase as speed increases to deliver the prescribed application rate of 0.0025 lbs. pyrethrins/acre. The table should include the pyrethrins dilutions stated on page 8.

Please note that the availability of EPA's reregistration eligibility documents (REDs) for products containing pyrethrins and/or piperonyl butoxide. The availability of the pyrethrins RED was published in the Federal Register (FR) on July 26, 2006 (Vol.71 No.143 pg. 42387). The availability of the piperonyl butoxide RED was also published in the FR on July 26, 2006 (Vol. 71, No. 143 pg. 42385). Additional data or labeling changes may be required for products containing pyrethrins and/or piperonyl butoxide.

A stamped copy of the label is enclosed for your records. 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 Kevin Sweeney, at (703) 305-5063. Thank you for your cooperation in this matter.

Sincerely,



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

Enclosure

ULD® BP-300
Insecticide

KILLS:

Angoumois Grain Moths, Ants, Box Elder Bugs, Cadelles, Cheese Mites, Cigarette Beetles, Confused Flour Beetles, Crickets, Earwigs, Fruit Flies, Gnats, Granary Weevils, House Flies, Indian Meal Moths, Mosquitoes, Rice Weevils, Roaches, Spiders, Tobacco Moths, Wasps and Water Bugs.

FOR USE IN:

Apartments, Cafeterias, Dormitories, Food Service Storage and Preparation Areas, Grocery and Convenience Stores, Health Care Facilities, Hotels, Motels, Office Buildings, Restaurants, Schools and Universities.

See complete label for additional insects and use sites.

ACTIVE INGREDIENT:

Pyrethrins*, a botanical insecticide	3.00%
Piperonyl butoxide, technical**	6.00%
n-Octyl bicycloheptene dicarboximide***	10.00%
OTHER INGREDIENTS:	<u>81.00%</u>
Contains Petroleum Distillate	TOTAL: 100.00%

* 1 Gallon contains 0.208 lb. of pyrethrins

** Equivalent to 4.8% (butylcarbityl)(6-propylpiperonyl) ether and 1.2% related compounds

*** MGK-264 Insecticide Synergist.

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

See back panel for First Aid and Precautionary Statements and Directions for Use

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

ULTRA LOW DOSAGE THROUGH MICRON GENERATION

NET CONTENTS:



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

**ACCEPTED
with COMMENTS
in EPA Letter dated
FEB 16 2007**
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under EPA Reg. No.
499-450

ULD® BP-300 Insecticide

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 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. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Remove and wash contaminated clothing before reuse. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. 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 for two hours before returning patients.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not contaminate bodies of water when disposing of equipment rinsate or wash waters.

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 wash waters.

See complete label for additional statements regarding Wide Area Mosquito Control Applications.

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 full label accompanying product for complete Directions for Use.
[See separate directions and precautions for Wide Area Mosquito Control Applications.]

Apply this product only as specified on this label. Do not apply directly to food. Food should be removed or covered during treatment. Do not apply while food processing is underway. All food processing surfaces and equipment should be covered or washed 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.

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. Apply as space spray using a Whitmire Micro-Gen ULV unit, or similar equipment to dispense this product as a fine mist in the air above the trays and shelves. Do not apply to fruit directly. Use a dosage not to exceed 64 fl. oz. of this spray per 50,000 ft.³ 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 reenter. Repeat application every 30 days.

* Confused Flour Beetle, Dried Fruit Beetle, Indian Meal Moth, Roaches and Saw-toothed Grain Beetle

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 warehouses and storage rooms:** Close room or warehouse and shut off all ventilating systems. Apply as space spray using a Whitmire Micro-Gen ULV unit, or similar equipment to dispense this product. Use a dosage of 1 fl. oz. of this spray per 1,000 ft.³ of room space. Do not remain in treated areas after application and leave room closed for at least 1 hour. Ventilate thoroughly before occupants are allowed to reenter. Reapply once/day if retreatment is necessary.

** Among these are the Angoumois Grain Moth, Cadellies, Confused Flour Beetle, Indian Meal Moth, Mediterranean Flour Moth, Rice Weevil, Saw-toothed Grain Beetle and Yellow Meal Worm

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 in accordance with the label directions, or at an approved waste disposal facility.

CONTAINER DISPOSAL (≤ 2.5 gal.) Empty container by using the product in accordance with the label directions. Do not reuse 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!**

CONTAINER DISPOSAL (> 2.5 gal.) Empty container by using the product in accordance with the label directions. Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

A Prescription Treatment[®] brand insecticide from:

Whitmire Micro-Gen Research Laboratories, Inc.

3568 Tree Court Industrial Blvd.

St. Louis MO 63122-6682

www.wmmg.com

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**ULD® BP-300
Insecticide**

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

KILLS:

Angoumois Grain Moths, Ants, Box Elder Bugs, Cadelles, Cheese Mites, Cigarette Beetles, Confused Flour Beetles, Crickets, Earwigs, Fruit Flies, Gnats, Granary Weevils, House Flies, Indian Meal Moths, Mosquitoes, Rice Weevils, Roaches, Spiders, Tobacco Moths, Wasps and Water Bugs.

FOR USE IN:

Apartments, Cafeterias, Dormitories, Food Service Storage and Preparation Areas, Grocery and Convenience Stores, Health Care Facilities, Hotels, Motels, Office Buildings, Restaurants, Schools and Universities.

(See page 4 for additional insects and use sites.)

ACTIVE INGREDIENTS:

Pyrethrins*, a botanical insecticide	3.00%
Piperonyl butoxide, technical**	6.00%
n-Octyl bicycloheptene dicarboximide***	10.00%

OTHER INGREDIENTS:	81.00%
Contains Petroleum Distillate	TOTAL: 100.00%

- * 1 gallon contains 0.208 lbs. of pyrethrins
- ** 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 inside for First Aid and Precautionary Statements

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

ULTRA LOW DOSAGE THROUGH MICRON GENERATION

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 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. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum and using tobacco. Remove and wash contaminated clothing before reuse. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals.

ENVIRONMENTAL HAZARDS

This product 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.

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.

DIRECTIONS FOR USE

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

[See separate directions and precautions for Wide Area Mosquito Control Applications.]

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 in the treatment area before use.
- Remove or cover dishes, utensils, food processing equipment and food preparation surfaces in the treated area before use or wash them thoroughly after ventilation of treated area.
- Cover all food processing surfaces and equipment in the treatment area or wash 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 2 hours before returning patients.

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. Apply as space spray using a Whitmire Micro-Gen ULV unit, or similar equipment to dispense this product as a fine mist in the air above the trays and shelves. Do not apply to fruit directly. Use a dosage not to exceed 64 fl. oz. of this spray per 50,000 ft.³ of room space. Do not remain in treated areas after application, and leave room closed for at least 1 hour. Ventilate thoroughly before occupants are allowed to reenter. Repeat application every 30 days.

* Confused Flour Beetle, Dried Fruit Beetle, Indian Meal Moth, Roaches and Saw-toothed Grain Beetle

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 warehouses and storage rooms:** Close room or warehouse and shut off all ventilating systems. Apply as space spray using a Whitmire Micro-Gen ULV unit, or similar equipment to dispense this product. Use a dosage of 1 fl. oz. of this spray per 1,000 ft.³ of room space. Do not remain in treated areas after application and leave room closed for at least 1 hour. Ventilate thoroughly before occupants are allowed to reenter. Reapply once/day if retreatment is necessary.

** Among these are the Angoumois Grain Moth, Cadelles, Confused Flour Beetle, Indian Meal Moth, Mediterranean Flour Moth, Rice Weevil, Saw-toothed Grain Beetle and Yellow Meal Worm

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 these 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 1/2 fl. oz. per 1,000 ft.³ of room space or, when applying diluted product, apply at the rate of 1 - 2 fl. oz. per 1,000 ft.³ of room space. Do not remain in treated areas after application and leave the room closed for one hour. Ventilate the area thoroughly before occupants are allowed to reenter. Reapply once/day if retreatment is necessary.

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 180.910 (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). Combine oil and BP-300 as directed below and mix well just prior to application.

Pyrethrin % Desired	Mixture Rate	Application Rate Per 1,000 Ft. ³
1.00	1 Part Concentrate to 2 Parts Oil	1 fl. oz.
0.50	1 Part Concentrate to 5 Parts Oil	1 fl. oz.
0.30	1 Part Concentrate to 9 Parts Oil	1 - 2 fl. oz.
0.15	1 Part Concentrate to 19 Parts Oil	1 - 2 fl. oz.

SPACE SPRAY - To kill 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 1 part concentrate to 2 parts oil, and mix well. Do not apply while food processing is underway. Cover or remove any exposed food. Cover food processing surfaces and equipment or wash with an effective cleaning compound followed by a potable water rinse. Close doors and windows and shut off all ventilating equipment prior to application. Using Whitmire Micro-Gen ULD equipment adjusted to deliver aerosol droplets (30 microns or less), apply 1 fl. oz. per 1000 ft.³ of space. Leave room closed for 1 hour after application and ventilate thoroughly before occupants are allowed to reenter. Reapply once/day if retreatment is necessary.

SPOT APPLICATION: With equipment designed for deep void Ultra Low Volume (ULV) applications, follow the manufacturer's recommendations for proper equipment setup and operation pressures. Place the tip of the applicator at or into the crack or 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 reenter.

Reapply once/day if retreatment is necessary.

LINEAR APPLICATION ALONG BASEBOARDS, TRIM MOLDING AND VOIDS: 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 1 ft. /second. Avoid applying to the point of runoff or drip. Reapply up to once/day if retreatment is necessary. Ventilate thoroughly before occupants are allowed to reenter.

OUTDOOR USE

OUTDOOR GROUND FOGGING APPLICATION: Use diluted to kill flies, mosquitoes 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 10 MPH.

HANDHELD EQUIPMENT: When using ULD equipment such as Whitnire Micro-Gen equipment, apply at the rate of 4 oz. /acre. Figure application travel path for a coverage of a 50 ft. 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.)

FOR USE ON ANIMALS

Dilute 1 part concentrate to 5 parts oil and mix well. To protect beef cattle, 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 kill stable flies, horse flies and deer flies on beef cattle, dairy cattle and horses, apply 2 fl. oz. /adult animal, sufficient to wet the hair but not to soak the hide. To kill the motile stages of blood sucking lice on beef and dairy cattle, apply the spray to thoroughly wet the hair. Use 2 fl. oz. or less/animal and repeat every 2 to 3 weeks as required.

Do not use on dogs or cats.

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.

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 in accordance with the label directions or at an approved waste disposal facility.

CONTAINER DISPOSAL: (< 2.5 gal.) Empty container by using the product in accordance with the label directions. Do not reuse 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!**

CONTAINER DISPOSAL: (> 2.5 gal.) Empty container by using the product in accordance with the label directions. Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

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 by persons under their direct supervision.

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

Use at the 0.1% to 0.5% rate

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 10 MPH or less.

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 180.910 (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). Combine oil and BP-300 as directed below and mix well just prior to application.

Pyrethrin % Desired	Mixture Rate	Fluid Ounce Of Diluted Product Delivers 0.0025 lbs. Pyrethrin/Acre
0.50%	1 Part Conc. to 5 Parts Oil	9.7 fl. oz.
0.30%	1 Part Conc. to 9 Parts Oil	16.1 fl. oz.
0.25%	1 Part Conc. to 11 Parts Oil	19.4 fl. oz.
0.15%	1 Part Conc. to 19 Parts Oil	32.2 fl. oz.
0.10%	1 Part Conc. to 29 Parts Oil	48.5 fl. oz.

BP-300 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-300 may be used over agricultural crops. For best results, apply when meteorological conditions create a temperature inversion and wind speed does not exceed 10 MPH. 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, dilute BP-300 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 0.0025 lbs. of pyrethrins/acre (use a 300 foot swath width for acreage calculations).

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: Apply at the rate of up to 0.0025 lbs. pyrethrins/acre while the machine is traveling 5 -10 MPH. Position the nozzle approximately 30° 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 lbs. of pyrethrins/acre (use a 300 ft. swath width for acreage calculations). When using Whitmire Micro-Gen or similar truck mounted ULV equipment, spray at a dosage rate of 15 oz. per minute from a location up-wind of the areas where insects are to be treated. Keep speed of vehicle to approximately 10 MPH. Figure application travel path for a coverage of a 300 ft. swath. Apply no more than 0.0025 lbs. /acre 3 times/week.

HANDHELD AND BACKPACK EQUIPMENT: Use at 0.1 - 0.5% rates. Apply up to 0.0025 lbs. pyrethrins/acre. Figure application travel path for a coverage of a 50 foot swath. Allow spray drift to penetrate dense foliage. Apply at no more than 0.0025 lbs. pyrethrins/acre 3 times/week.

AERIAL APPLICATION (FIXED WING AND HELICOPTER): To control adult mosquitoes and biting flies, apply up to 0.0025 lbs. of pyrethrins/acre with equipment designed and operated to produce a ULV spray application.

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

INDOOR:

Animal Areas and Quarters
Apartments
Auditoriums
Bakeries
Beverage Plants
Boats
Bottling Plants
Brandy Storage Warehouses
Buildings
Buses
Cabins
Cafeterias
Canneries
Cattle Barns
Churches
Closets
Condominiums
Communication Centers
Convenience Stores
Correctional Facilities
Dairy and Livestock Barns
Dormitories
Dried Fruit Processing Plants
Drains and Sewers
Dried Fruit Warehouses
Drugstores
Dumpsters
Dwellings
Egg Processing Plants
Factories
Flour Mills
Food Handling Establishments
Food Preparation Areas
Food Processing Plants
Food Service Areas
Food Storage Areas
Freight Containers
Fruit Packing Sheds

Garbage Cans
Garbage Compactors
Goat Houses
Grain Elevators
Grain Mills
Grain Handling Equipment
Granaries
Grocery Stores
Health Care Facilities
Homes
Hotels
Horse Stables/Barns
Hospices
Industrial Installations
Institutions
Jails
Laboratories
Libraries
Livestock Barns
Loafing Sheds
Locker Rooms
Mills
Mausoleums
Meat Packing Plants
Milk Rooms
Missions
Mobile Homes
Motels
Museums
Mushroom Processing Plants
Nursing Homes
Office Buildings / Offices
Passenger Rail Cars
Peanut Processing Plants
Peanut Storage Warehouses
Poultry Houses
Poultry Processing Plants
Prisons
Public Buildings

Rabbit Processing Plants
Rabbit Houses
Railroad Cars
Recreational Vehicles
Research Animal Areas
Restaurants
Restrooms
Rice Mills
Schools
Shade Houses
Ships
Ship holds
Stables
Stable Bins
Stored Food in Multi-walled
Paper or Cloth Bags
Stored Seed Warehouses
Stores
Supermarkets
Swine Houses
Textile Mills and Warehouses
Theaters
Tobacco Plants
Tobacco Warehouses
Townhouses
Trains
Transportation Equipment
Trucks
Truck Trailers
Universities
Utilities
Utility Rooms
Voids (Attics, Walls, Ceilings)
Warehouses
Wineries
Wine Storage Warehouses
Zoos

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:

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

GRAIN BORERS:

Larger Grain Borers
 Lesser Grain Borers

CRAWLING INSECTS:

Ants
 Bed Bugs
 Booklice
 Cabbage Loopers
 Cabbage Worms
 Centipedes
 Chiggers
 Chrysanthemum Leaf Miners
 Crickets
 Earwigs
 Fire Ants
 Firebrats
 Grasshoppers
 Mealy Bugs

Millipedes
 Palmetto Bugs
 Pill Bugs
 Roaches
 Scorpions
 Sowbugs
 Vegetable Leaf Miners
 Water Bugs

FLEAS AND TICKS:

Brown Dog Ticks
 Fleas
 Sheep Ticks
 Spinosa Ear Ticks
 Ticks

SPIDERS AND MITES:

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

LICE:

Mounting Stages of Yellow
 Lice & Sucking Blue Lice

WORMS:

Dark Mealworms
 Lesser Mealworms
 Yellow Mealworms

BEETLES:

American Black Flour Beetles
 Black Carpet Beetles
 Black Fungus Beetles
 Broad horned Flour Beetles
 Brown Spider Beetles
 Cadelles
 Carpet Beetles
 Catorama Beetles
 Cereal Beetles
 Cigarette Beetles
 Confused Flour Beetles
 Corn Sap Beetles
 Darkling Beetles
 Depressed Flour Beetles

Dermestid Beetles
 Dried Fruit Beetles
 Drugstore Beetles
 Flat Grain Beetles
 Foreign Grain Beetles
 Fungus Beetles
 Ground Beetles
 Hairy Fungus Beetles
 Hairy Spicier 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-toothed Grain Beetle
 Slenderhorned Flour Beetles
 Smalleyed Flour Beetles
 Spider Beetles
 Squarenecked Grain Beetles
 Trogoderma Beetles
 Two Banded Beetles
 White Marked Spider Beetles

WEEVILS:

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

MOTHS:

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

[COMPLETE LABEL]

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