

[Front Panel]

# ULD BP-100

## 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) generators, such as Whitmire Micro-Gen equipment, as well as thermal and conventional fogging or spraying equipment.

**ACTIVE INGREDIENT:**

Pyrethrin	1.00%
Piperonyl butoxide, technical	2.00%
N-octyl bicycloheptene dicarboximide**	2.94%

**OTHER INGREDIENTS:**

Contains Petroleum Distillate	94.06%
* Equivalent to 1.6% (Butylcarbitolyl(6-Propylpiperonyl) Ether and 0.4% related compounds.	TOTAL: 100.00%
** MGR 264 Insecticide Synergist	

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION**  
 See back panel for additional Precautionary Statements.

EPA Reg. No. 499-452 • EPA Est. No. 499-MO-1

**NET CONTENTS:**



**WHITMIRE MICRO-GEN**  
 RESEARCH LABORATORIES, INC.  
 800-777-8570

BP-100 Front Panel v8.0.1 (r-v02)

**ACCEPTED**  
 APR 30 2002

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 499-452

[Back Panel]

Note: 24 oz. & 34 oz. sizes do not have back panels.



ULD® BP-100 Insecticide

PRECAUTIONARY STATEMENTS

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 eye 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.

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. 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. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to incidental 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 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 supplemental label for complete Directions for Use.

Do not apply directly to food. Do not apply while food processing is underway. Foods should be removed or covered during treatment. 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.

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: Do not re-use empty container. Wrap container and put in trash. (Alternative Text for >1 gal: 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.)

INDOOR USE

SPACE SPRAY - Flying Insects: Use to kill flies, mosquitoes, gnats and small flying moths. Use full strength or dilute product as desired according to dilution table listed below. Close doors, windows and shut off all ventilating equipment. Then with a mechanical aerosol generator (no droplets over 50 microns in diameter and 80% less than 30 microns) apply undiluted product at a dosage rate of approximately one (1) fluid ounce per 1,000 cubic feet of room space or, when applying diluted product, apply at the rate of 1-2 fluid ounces per 1,000 cubic feet of room space. Direct spray toward upper areas of room. Do not remain in treated areas after application, and leave room closed for at least one (1) hour. Ventilate thoroughly before occupants are allowed to re-enter. Repeat application as necessary for control.

DILUTION: Use a white mineral oil conforming to regulation 21 CFR 178.362(b), or an odless 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.

Table with 3 columns: Pyrethrin % Desired, Mixture Rate, Application Rate Per 1,000 Cu. Ft.
0.50% 1 Part Conc. to 1 Part Oil 1 oz.
0.30% 3 Part Conc. to 7 Parts Oil 1-2 oz.
0.15% 3 Part Conc. to 17 Parts Oil 1-2 oz.

A PRESCRIPTION TREATMENT™ brand insecticide from:
Whitmire Micro-Gen Research Laboratories, Inc.
3568 Tree Court Industrial Blvd.
St. Louis MO 63122-6682
www.wmrg.com
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In addition to sites listed on other panel ULD BP-100 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 Sheds  
 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  
 Loading Sheds  
 Locker Rooms  
 Mills  
 Mausoleums  
 Meat Packing Plants  
 Milk Rooms  
 Missions  
 Mobile Homes  
 Museums  
 Mushroom Processing Plants  
 Nursing Homes  
 Offices  
 Office Buildings  
 Passenger Rail Cars  
 Peanut Processing Plant  
 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  
 Shade Houses  
 Ships  
 Shipholds  
 Stables  
 Stable Bins  
 Stored Food in Multiwall  
 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-100

## 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) generators, such as Whitmire Micro-Gen equipment, as well as thermal and conventional fogging or spraying equipment.

### CONTROLS:

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

### 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 page 4 for additional insects and use sites.

Authorized by USDA for use in Federally inspected meat and poultry plants.

### ACTIVE INGREDIENTS:

Pyrethrins .....	1.00%
Piperonyl butoxide, technical* .....	2.00%
N-octyl bicycloheptene dicarboximide** .....	2.94%

### OTHER INGREDIENTS:

Contains Petroleum Distillate .....	94.06%
TOTAL: 100.00%	

\* Consists of 1.60% (butylcarbityl) (6-propylpiperonyl) ether and 0.40% related compounds.  
 \*\* MGK 264 insecticide Synergist.

ULD BP-100 Insecticide is also effective against the following insects when used according to label directions:

<b>FLYING INSECTS:</b> Flies Horse Flies House Flies Barn Flies Stable Flies Face Flies Skipper Flies Deer Flies Black Flies Horn Flies Mushroom Flies Fungus Gnats Hornets Bees Vinegar Flies Yellowjackets Blow Flies Bottle Flies Cheese Skippers Aphids Thrips Whiteflies	<b>CENTIPEDES:</b> Centipedes Sowbugs Millipedes Pillbugs Firebrats Bedbugs Palmetto Bugs Book Lice Fire Ants Grasshoppers Cabbage Loopers Cabbage Worms Chrysanthemum Leaf Miners Mealy Bugs Vegetable Leaf Miners	<b>LICE:</b> Moulting Stages of Yellow Lice & Sucking Blue Lice	<b>RED HORNED GRAIN BEETLES:</b> Red Horned Grain Beetles Khapra Beetles Merchants Grain Beetles Rusty Grain Beetles Black Carpet Beetles Sovereign Grain Beetles Foreign Grain Beetles Mexican Grain Beetles American Black Flour Beetles Longheaded Flour Beetles Slenderhorned Flour Beetles Smallheaded Flour Beetles Broadhorned Flour Beetles Large Black Flour Beetles Calorama Beetles Marmoratus Beetles
<b>GRAIN BORERS:</b> Lesser Grain Borers Larger Grain Borers	<b>FLEAS &amp; TICKS:</b> Brown Dog Ticks Sheep Ticks Spinosa Ear Ticks Fleas Ticks	<b>WORMS:</b> Dark Mealworms Yellow Mealworms Lesser Mealworms	<b>WEEVILS:</b> Bean Weevils Maize Weevils Coffee Bean Weevils Broadnosed Grain Weevils
<b>CRAWLING INSECTS:</b> Chiggers Crickets Scorpions	<b>SPIDERS &amp; MITES:</b> Spiders Mites Clover Mites Cheese Mites Grain Mites Red Spider Mites Spider Mites	<b>BEETLES:</b> Black Fungus Beetles Drugstore Beetles Red Flour Beetles Saw-Tooth Grain Beetles Spider Beetles Carpet Beetles Ground Beetles Darkling Beetles Flat Grain Beetles Dried Fruit Beetles Dermestid Beetles Cereal Beetles Hide Beetles Depressed Flour Beetles Two Banded Beetles Fungus Beetles Hairy Fungus Beetles Corn Sap Beetles Brown Spider Beetles White Marked Spider Beetles Hairy Spider Beetles Trogoderma Beetles	<b>MOTHS:</b> Mediterranean Moths Clothes Moths Almond Moths Cocoa Bean Moths Chocolate Moths Rice Moths European Grain Moths Pink Scavenger Caterpillars

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**KEEP OUT OF REACH OF CHILDREN  
 CAUTION**

See page 2 for additional Precautionary Statements.

EPA Reg. No. 499-452 • EPA Est. No. 499-MO-1

**ULTRA LOW DOSAGE THROUGH MICRON GENERATION**



**WHITMIRE MICRO-GEN**  
 RESEARCH LABORATORIES INC.  
 800-777-8570

h/c



# ULD® BP-100 Insecticide

## PRECAUTIONARY STATEMENTS

### 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 eye 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.

### 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. 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. 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.

### DIRECTIONS FOR USE

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

Do not apply directly to food. Do not apply while food processing is underway. Foods should be removed or covered during treatment. 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.

### 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 and put in trash.

**CONTAINER DISPOSAL (OVER ONE GALLON):** 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.

### INDOOR USE

**SPACE APPLICATION - Flying Insects:** Use to kill flies, mosquitoes, gnats and small flying moths. Use full strength or dilute product as desired according to dilution table listed below. Close doors, windows and shut off all ventilating equipment. Then with a mechanical aerosol generator (no droplets over 50 microns in diameter and 80% less than 30 microns) apply undiluted product at a dosage rate of approximately one (1) fluid ounce per 1,000 cubic feet of room space or, when applying diluted product, apply at the rate of 1-2 fluid ounces per 1,000 cubic feet of room space. Direct spray toward upper areas of room. Do not remain in treated areas after application, and leave room closed for at least one (1) hour. Ventilate thoroughly before occupants are allowed to re-enter. Repeat application as necessary 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%	3 Part Conc. to 7 Parts Oil	1-2 oz.
0.15%	3 Part Conc. to 17 Parts Oil	1-2 oz.

### SPACE SPRAY & DIRECTED SPRAY APPLICATION - Crawling Insects:

Use to kill roaches, silverfish, waterbugs, earwigs, ants, spiders and beetles in their harborage situations. Use product full strength or diluted as desired and apply through equipment which can deliver a pin stream spray. Direct a pin stream 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 undiluted product at the rate of one (1) oz. per 1,000 cu. ft. of space. Close doors, windows and shut off all ventilating equipment before application. Leave room closed for at least one (1) hour after application. Do not remain in treated areas and ventilate thoroughly before occupants are allowed to re-enter. Repeat application as required.

### FEDERALLY INSPECTED MEAT & POULTRY ESTABLISHMENTS:

Apply as a space or directed contact spray for control of flies, mosquitoes, gnats, small flying moths, roaches, silverfish, waterbugs, earwigs, ants, and spiders in establishments operating under the Federal meat, poultry, shell egg grading and egg products inspection program. 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 after application and before processing resumes. Close doors, windows and shut off all ventilating equipment prior to application. When using ULV (Ultra Low Volume) equipment, such as Whitmire Micro-Gen ULD fogging equipment, adjust it to deliver aerosol droplets (30 microns or less) and apply one (1) ounce per 1,000 cu. ft. of space. Leave room closed for at least one hour after application and ventilate before occupants are allowed to re-enter.

### 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 set up 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.

### 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.

#### 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.

### FOR USE ON ANIMALS

Dilute one (1) part concentrate to 1 part oil and mix well. To control horn flies, house flies, mosquitoes and gnats around beef and dairy cattle and horses, 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 ounces per adult animal, sufficient to wet the hair but not to soak the hide. Repeat treatment once or twice daily or at sufficient 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 ounces or less per animal and repeat every 2 to 3 weeks as required.

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