

# Prescription Treatment® brand ULD® HydroPy-300®

## Pyrethrin Concentrate

† In New York State, this product may NOT be applied using residential automated misting systems.

### KILLS:

Angoumois Grain Moths, Ants, Boxelder Bugs, Cadelles, Cheese Mites, Cigarette Beetles, Cockroaches, Confused Flour Beetles, Crickets, Earwigs, Fruit Flies, Gnats, Granary Weevils, House Flies, Indianmeal Moths, Mosquitoes, Rice Weevils, Spiders, Tobacco Moths and Wasps

### FOR USE IN AND AROUND:

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

### ACTIVE INGREDIENTS:

Pyrethrins, a botanical insecticide ..... 3.0%  
Piperonyl butoxide, technical\* ..... 6.0%  
n-Octyl bicycloheptene dicarboximide\*\* ..... 10.0%

### OTHER INGREDIENTS:

..... 81.0%  
TOTAL: 100.0%

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

\*\* MGK-264 Insecticide Synergist

EPA Reg. No. 499-427

KEEP OUT OF REACH OF CHILDREN

CAUTION

ULTRA LOW DOSAGE THROUGH MICRON GENERATION

### FIRST AID

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 - 20 min. 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 min. Remove contact lenses, if present, after the first 5 min, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.

**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 SWALLOWED:** Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give ANY liquid to the person. Do not give anything by mouth to an unconscious person.

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.

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling.

#### 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 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.

#### GENERAL RESTRICTIONS

Do not apply directly to food. Do not apply as a space or ULV spray while food processing is underway. Cover or remove any food in the treatment area before application. Cover all food processing surfaces and equipment or wash with an effective cleaning compound followed by a potable water rinse.

Food processing operations do not have to be stopped while applying as a wet spray with care and in accordance with directions and cautions above in establishments which do NOT operate under Federal meat, poultry, shell egg grading and egg products inspection programs.

In the home, cover all food processing surfaces, dishes and utensils in the treatment area or thoroughly wash before use.

Remove pets, birds, and cover fish aquariums and turn off air pump motor before spraying. In health care facilities or schools, remove patients or students prior to treatment. Thoroughly ventilate treated area for 2 hr before reoccupying treated areas.

Do not use this product in or on electrical equipment due to the possibility of shock hazard.

#### DILUTION RATES

Use undiluted in mechanical sprayers which produce particles of aerosol size (80% of droplets < 30 microns), or diluted in pump sprayers or automated misting systems†. Use the 0.125% rate for flying insects only. Use the 0.25% rate for maintenance. Use the 0.50% rate for clean outs or high insect infestations. Use the 0.05% rate only for automated misting\* or fogging applications outdoors.

Pyrethrin % Desired	Amount of Concentrate per gallon of water*
0.050%	2 fl oz
0.125%	5 1/3 fl oz
0.250%	10 2/3 fl oz
0.500%	21 1/3 fl oz
1.000%	42 2/3 fl oz

\* Do not dilute with spray oil.  
NOTE: 1/3 fl oz = 2 tsp and 1/2 fl oz = 1 tsp

### APPLICATION INSTRUCTIONS

**SPACE SPRAY (INDOORS):** Apply using a mechanical aerosol generator which creates particles of aerosol size (80% of droplets < 30 microns). Prior to application, close all doors and windows, shut off all ventilating equipment and extinguish all flames in the area to be treated. Do not remain in treated areas after application. Leave room(s) closed for at least 1 hr. Ventilate thoroughly before reentry.

**CRACK & CREVICE® TREATMENT:** Use diluted or undiluted. Inject HydroPy-300 into cracks and crevices or void spaces where insects may be harboring, living and breeding. Place injector tip into cracks, crevices, holes and other small openings. Release approximately 1 second of product. For light infestations move injector tip along cracks while treating at the rate of 3 linear ft/sec. For heavy infestations move injector tip along at 1 linear ft/sec. Apply in such a manner to limit dripping and run-off on structural surfaces.

**VOID INJECTION:** Use diluted or undiluted. Use to flush and kill insects harboring in closed or inaccessible voids. Calculate the cubic area of the void and treat at the rate of 5 - 10 sec/3 ft³. Several holes may be required in long-running voids. Apply in such a manner to limit dripping and run-off on structural surfaces.

**SPOT TREATMENT AND GENERAL SURFACE SPRAY:** Use diluted or undiluted. Hold spray nozzle 18 - 24" from areas to be treated. Treat surfaces until moist, but in such a manner to limit dripping and run-off.

### INDOOR TREATMENTS

**FLYING INSECTS** (such as Bees, Cluster Flies, Flies, Gnats, Hornets, Mosquitoes, Moths, Small Flying Moths, Wasps, Webbing Clothes Moths and Yellowjackets): Apply as a space spray or general surface spray. **SPACE SPRAY:** apply undiluted at the rate of 0.5 fl oz of concentrate per 1,000 cu ft of space. Point nozzle upward and direct spray mist to all parts of the room. **GENERAL SURFACE SPRAY:** use the 0.125% or 0.250% rate and direct spray toward upper corners of room especially around windows and other light sources which attract these insects. Do not remain in treated area(s) after application. Ventilate thoroughly before reentry.



**WHITMIRE MICRO-GEN**  
RESEARCH LABORATORIES, INC.

**NOTE:** This specimen label is for informational purposes only. All uses may not be approved in all states. See labeling which accompanied product for Directions for Use or call 800-777-8570 for more information.



# ULD® HydroPy-300® Pyrethrin Concentrate

**CRAWLING INSECTS** (such as Ants, Booklice, Carpet Beetles, Centipedes, Clothes Moths, Clover Mites, Cockroaches, Crickets, Dermestid Beetles, Earwigs, Firebrats, Fleas, Millipedes, Scorpions, Silverfish, Sowbugs and Spiders): Apply as a general surface spray. Crack & Crevice treatment or void injection. Use the 0.25% or 0.50% rate. **GENERAL SURFACE SPRAY:** Apply as a coarse, wet spray on walls, floors and other surfaces. Treat food storage areas, handling areas and unloading and processing areas. **CRACK & CREVICE TREATMENT AND VOID INJECTION:** Apply to cracks and crevices or structural voids in these places as well as beneath sinks and inside and around the base of food conveying, processing and handling equipment.

**STORED PRODUCT PESTS** (such as Angoumois Grain Moths, Cadellies, Carpet Beetles, Chocolate Moths, Cigarette Beetles, Dermestid Beetles, Dried Fruit Beetles, Drug Store Beetles, Flour Beetles, Grain Mites, Granary Weevils, Indianmeal Moths, Meal Worms, Mediterranean Flour Moths, Psocids, Red Flour Beetles, Saw-toothed Grain Beetles, Spider Beetles, Trogodermata and Weevils): Apply as a space spray or a general surface spray. Clean all food preparation areas thoroughly after treatment and before food is exposed. Use only in areas where food is not exposed. **SPACE SPRAY:** apply undiluted at the rate of 0.5 fl oz of concentrate per 1,000 ft<sup>3</sup> of space. Direct treatment toward upper corners of room and ceiling. **GENERAL SURFACE SPRAY:** use the 0.25% or 0.50% rate. Direct output into corners and under pallets, hitting as many insects as possible.

**BED BUGS, LICE AND TICKS:** Apply as a space spray, spot treatment or Crack & Crevice treatment. First, thoroughly clean air mattresses and springs. **SPACE SPRAY:** apply undiluted at the rate of 0.5 fl oz of concentrate per 1,000 ft<sup>3</sup> of space. **CRACK & CREVICE TREATMENT OR VOID INJECTION:** use the 0.25% or 0.50% rate and apply to cracks and crevices or structural voids around baseboards, floorboards, bedboards and walls. **SPOT TREATMENT:** Take bed apart. Treat joints and channels if hollow, such as square or round tubing. See that the interior framework is treated. Treat mattresses, especially tufts, folds and edges. Also treat other areas where bed bugs may be hiding.

**FLEAS:** Apply as a general surface spray undiluted or using the 0.25% or 0.50% rates. Direct treatment onto pet resting areas and floor around these areas. Treat pet bedding the same way. Also treat entire inside surface of dog houses. Do not allow pets to contact treated areas until spray has dried. Remove or cover animal feed before spraying. To control the source of flea infestations, pets inhabiting the treated premises should be treated with a product registered for application to pets.

**DARKLING BEETLES:** After emptying poultry houses, apply as a space spray or general surface spray. Treat litter before cleaning. Keep closed for one hour, remove litter and retreat all surfaces. Ventilate for 24 hr before replacing poultry. **SPACE SPRAY:** apply undiluted at the rate of 0.25 fl oz of concentrate per 1,000 ft<sup>3</sup> of space. **GENERAL SURFACE SPRAY:** use the 0.25% or 0.50% rate.

## INDOOR AND OUTDOOR TREATMENTS

**BOXELDER BUGS, CARPENTER ANTS, CLUSTER FLIES AND ELM LEAF BEETLES:** Apply as a crack & crevice treatment or as a void injection to voids and other areas where these insects are found. Use undiluted or at the 0.25% or 0.50% rates.

**FLIES, GNATS, HORN FLIES, HOUSE FLIES, STABLE FLIES (AROUND LIVESTOCK):** For fast knockdown of flying insects, apply as a space spray undiluted or using the 0.25% or 0.50% rates. Direct fog upward in all directions. Ventilate the area after treatment is completed. Remove or cover animal feed before spraying. Do not apply to lactating or food animals. Do not contaminate milk, food or drinking water.

## OUTDOOR TREATMENTS

**MOSQUITOES, FLIES AND GNATS:** Dilute to 0.050% - 0.125% when applying with mechanical, electrical, fogging or automated misting equipment, or when applying as a general surface spray. To control these pests in open areas near homes, buildings and in campgrounds, treat shrubbery and vegetation and other areas where these pests may rest. Structural surfaces, shrubbery and vegetation around stagnant pools, marshy areas, ponds and shorelines may be treated. Treatment of vegetation in water from land is also permitted by allowing wind to move product into vegetation, but application of this product directly to any body of water is prohibited.

**AUTOMATED MISTING SYSTEMS:** Automatic spraying systems must not be programmed to release pesticide where people, pets, food or feed is directly exposed. A legible copy of the label must be securely attached to the equipment pesticide holding container or on the outside of the equipment timer.

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**TRUCK MOUNTED EQUIPMENT:** When using truck mounted equipment, spray at a dosage rate of 15 fl oz/min from a location up-wind of the areas where insects are to be controlled. Keep speed of vehicle to approximately 5 mph. Figure application travel path for a convergence of a 300 ft swath. Repeat application as required for control.

**HORNETS, WASPS AND YELLOW JACKETS:** Apply as a general surface spray using the 0.25% or 0.50% rate. Application should be made in late evening when insects are at rest. Spray liberally into hiding and nesting places, contacting as many insects as possible.

## STORAGE AND DISPOSAL

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

**STORAGE:** Store in original container in secured dry storage area. Do not store above 100°F for extended periods of time. Storage below 32°F may cause freezing.

**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:

(≤ 2.5 gal) 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!  
(> 2.5 gal) 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.

In addition to sites listed on the front panel, this product is acceptable for use in and around the following sites:

### INDOORS:

Animal Areas & Quarters  
Auditoriums  
Bakeries  
Barns  
Beverage Plants  
Boats  
Bottling Plants  
Brandy Storage Warehouses  
Buildings  
Buses  
Cabins  
Calf Hutches  
Canneries  
Cattle Barns  
Churches  
Closets  
Commercial and Industrial Buildings  
Condominiums  
Communication Centers  
Correctional Facilities  
Dairies

Dairy & Livestock Barns  
Drains & Sewers  
Dried Fruit Processing Plants  
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 Handling Equipment  
Grain Mills  
Granaries  
Hog Operations  
Homes

Horse Barns  
Horse Stables  
Hospices  
Hospitals  
Hotels  
Industrial Installations  
Institutions  
Jails  
Laboratories  
Libraries  
Livestock Barns  
Loafing Sheds  
Locker Rooms  
Mausoleums  
Meat Packing Plants  
Milk Rooms  
Milking Parlors  
Mills  
Missions  
Mobile Homes  
Motels  
Museums  
Mushroom Houses

Mushroom Processing Plants  
Nursing Homes  
Office Buildings  
Passenger Rail Cars  
Peanut Processing Plants  
Peanut Storage Warehouses  
Poultry Houses  
Poultry Operations  
Poultry Processing Plants  
Prisons  
Public Buildings  
Rabbit Houses  
Rabbit Processing Plants  
Railroad Cars  
Recreational Vehicles  
Research Animal Areas  
Restaurants  
Restrooms  
Rice Mills  
Schools  
Shipholds  
Ships  
Stable Bins

Stables  
Stored Food in Multi-walled Paper or Cloth Bags  
Stored Seed Warehouses  
Stores  
Supermarkets  
Swine Houses  
Textile Mills & Warehouses  
Theaters  
Tobacco Plants  
Tobacco Warehouses  
Townhouses  
Trains  
Transportation Equipment  
Truck Trailers  
Trucks  
Utilities  
Utility Rooms  
Voids (Attics, Walls, Ceilings)  
Warehouses  
Wine Storage Warehouses  
Wineries  
Zoos

### OUTDOORS:

Campgrounds  
Corrals  
Drive-in Restaurants  
Drive-in Theaters  
Dumpsters  
Feedlots  
Garbage Dumps  
Golf Courses  
Junkyards  
Kennels  
Landscapes  
Lath Houses  
Manure Piles  
Parks  
Recreational Areas  
Sewers  
Swineyards  
Zoos

This product is also effective against the following insects when used according to label directions:

### FLYING INSECTS:

Barn Flies  
Bees  
Black Flies  
Blow Flies  
Bottle Flies  
Cheese Skippers  
Cluster Flies  
Deer Flies  
Face Flies  
Flies  
Fruit Flies  
Gnats  
Horn Flies  
Hornets  
Horse Flies  
House Flies  
Mosquitoes  
Mud Daubers  
Mushroom Flies  
Skipper Flies  
Stable Flies  
Vinegar Flies  
Wasps  
Yellowjackets

### GRAIN BORERS:

Larger Grain Borers  
Lesser Grain Borers

### CRAWLING INSECTS:

Ants  
Bed Bugs  
Booklice  
Boxelder Bugs  
Cabbage Loopers  
Cabbage Worms  
Carpenter Ants  
Centipedes  
Chiggers  
Cockroaches  
Crickets  
Earwigs  
Fire Ants  
Firebrats  
Mealy Bugs  
Millipedes  
Palmetto Bugs  
Pill Bugs  
Psocids  
Scorpions  
Silverfish

### Sowbugs

Spring Tails

### FLEAS AND TICKS:

Brown Dog Ticks  
Fleas  
Sheep Ticks  
Spinose Ear Ticks  
Ticks

### SPIDERS & MITES:

Cheese Mites  
Clover Mites  
Grain Mites  
Red Spider Mites  
Spiders

### LICE:

Lice  
Mounting Stages of Yellow Lice & Sucking Blue Lice

### WORMS:

Dark Mealworms  
Lesser Mealworms  
Mealworms  
Yellow Mealworms

### BEETLES:

American Black Flour Beetles  
Black Carpet Beetles  
Black Fungus Beetles  
Broadhorned Flour Beetles  
Brown Spider Beetles  
Cadellies  
Carpet Beetles  
Catorama Beetles  
Cereal Beetles  
Cigarette Beetles  
Confused Flour Beetles  
Corn Sap Beetles  
Darkling Beetles  
Dermestid Beetles  
Dried Fruit Beetles  
Drugstore Beetles  
Elmleaf Beetles  
Flat Grain Beetles  
Flour Beetles  
Foreign Grain Beetles  
Fungus Beetles  
Ground Beetles  
Hairy Fungus Beetles

### Hairy Spider Beetles

Hide Beetles  
Khapra 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 Beetles  
Slenderhorned Flour Beetles  
Smallfaced Flour Beetles  
Spider Beetles  
Squarenecked Grain Beetles  
Trogodermata 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  
Indianmeal Moths  
Mediterranean Flour Moths  
Moths  
Pink Scavenger Caterpillars  
Rice Moths  
Small Flying Moths  
Tobacco Moths  
Webbing Clothes Moths

### A Prescription Treatment® brand insecticide from:

Whitmire Micro-Gen Research Laboratories, Inc.  
3568 Tree Court Industrial Blvd.  
St. Louis MO 63122-6682

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