

499-511

02/13/2013

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460-0001

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

February 13, 2013

Ms. Dana M. Thomas  
Product Regulatory Manager/Authorized Agent for  
Whitmire Micro-Gen Research Laboratories, Inc.  
3568 Tree Court Industrial Boulevard  
St. Louis, MO 63122-6682

**Subject: Amended Labeling; Revised Precautionary Statements  
Whitmire Micro-Gen TC 263, EPA Reg. No. 499-511  
Your Submission Dated October 3, 2013**

Dear Ms. Thomas:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable with the following label revision provision(s):

General Comment(s), top of page 1 of 8:

1. Within the existing text statement starting with **"In New York State..."**, insert the word **"outdoor"** immediately preceding the word **"residential."**

First Aid section comment(s), middle of page 1 of 8:

2. To facilitate inclusion of required label language from the Agency's Label Review Manual and the acute toxicity review completed in support of this label amendment, you must make the following changes:
  - Within the **"If Swallowed:"** subsection, revise the existing 1<sup>st</sup> sentence to read "Call a poison control center or doctor immediately for treatment advice."
  - Within the **"HOT LINE NUMBER"** subsection to read, revise the existing 2<sup>nd</sup> sentence to read "For additional information on this product (including health concerns, medical emergencies or pesticide incidents), you may call 1-800-832-HELP (4357), twenty-four (24) hours per day, seven (7) days per week."

Precautionary Statements, Hazards to Humans and Domestic Animals subsection comment(s), page 1 of 8:

3. To facilitate inclusion of required label language from the acute toxicity review completed in support of of this label amendment, revise this subsection to read "Harmful if swallowed. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Remove and wash contaminated clothing before reuse. Wear long-sleeved shirt and long pants, socks, shoes, and chemical-resistant gloves."

Directions for Use, URBAN MISTING SYSTEMS subsection comment(s), bottom of page 4 of 8:

4. To facilitate inclusion of required label language from the REDs for pyrethrins and piperonyl butoxide, you must make the following changes:
  - Revise the existing subsection heading **"URBAN MISTING SYSTEMS:"** to read **"OUTDOOR RESIDENTIAL MISTING SYSTEMS:"**
  - Within the existing text statement starting with **"In New York State..."**, insert the word **"outdoor"** immediately preceding the word **"residential."**

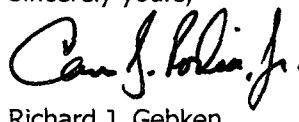
Storage and Disposal section comment(s), middle of page 6 of 8:

- 5. To facilitate inclusion of label language from the Agency's Label Review Manual and/or PR Notice 2007-4, within the existing "**CONTAINER DISPOSAL:**" subsection, revise the last text statement within this subsection to read "Offer for recycling if available for reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities."

A copy of your label stamped "Accepted with Comments" is enclosed for your records. Please submit two (2) copies of the final printed labeling, incorporating the above changes, before releasing the product for shipment. If these conditions are not complied with, the registration will be subject to cancellation in accordance with section 6(e) of FIFRA. Your release for shipment of the product bearing amended labeling constitutes accepting of these conditions.

If you have any questions, please contact Mr. Carmen J. Rodia, Jr. at (703) 306-0327 or via e-mail at [Rodia.Carmen@epa.gov](mailto:Rodia.Carmen@epa.gov).

Sincerely yours,

*FOR*  


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

Enclosures: *Label Stamped "Accepted with Comments," dated February 13, 2013*  
*Acute Toxicity Review, dated January 30, 2013*

000499-0051.1 D406802

### TC 263

**[ALTERNATE BRAND NAME:** Prescription Treatment® brand ULD® HydroPy-300® Formula 2  
**Descriptor:** Pyrethrin Concentrate] *{added via Notification 4/1707}*

\*In New York State *[Alternate Text: state name(s)]*, this product may NOT be applied using residential automated misting systems.

**KILLS:** Angoumois Grain Moths, Ants (excluding Harvester), Boxelder Bugs, Cadelles, Cheese Mites, Cigarette Beetles, Confused Flour Beetles, Crickets, Earwigs, Fruit Flies, German Cockroaches, Gnats, Granary Weevils, House Flies, Indianmeal Moths, Mosquitoes, Rice Weevils, Spiders (excluding Black Widow and Brown Recluse) and Tobacco Moths

**FOR USE IN AND AROUND:** Commercial (including Food Handling Establishments, Food Service, Storage, Preparation and Processing Areas, and Meat, Poultry and Egg Processing Facilities), Institutional and Residential Areas

See inside booklet for additional insects and use sites.

**ACTIVE INGREDIENTS:**

Pyrethrins*, a botanical insecticide .....	3.0%
Piperonyl butoxide** .....	15.0%
<b>OTHER INGREDIENTS:</b> .....	82.0%
	<b>TOTAL: 100.0%</b>

\* 1 gallon contains 0.25 lb of pyrethrins and 1.25 lb piperonyl butoxide

\*\* (butylcarbityl)(6-propylpiperonyl) ether and related compounds

## KEEP OUT OF REACH OF CHILDREN CAUTION

[See back panel/inside booklet for First Aid, Precautionary Statements, Directions for Use and the Federal Insecticide, Fungicide and Rodenticide Act, As amended, for the pesticide Registered under EPA Reg. No. 499-511 • EPA Est. No. 7969-MO-1]

ACCEPTED  
With COMMENTS  
In EPA Letter Dated:  
*February 13, 2013*  
Under the Federal Insecticide, Fungicide  
and Rodenticide Act, As amended, for the  
pesticide Registered under EPA Reg. No:  
*499-511*

NET CONTENTS: \_\_\_\_\_

### FIRST AID

**IF SWALLOWED:** Immediately call a poison control center or doctor for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. 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 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.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. For additional information on this product (including health concerns, medical emergencies or pesticide incidents), you may call 1-800-832-HELP.

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

**Personal Protective Equipment (PPE):** Applicators, mixers and other handlers must wear: Long-sleeved shirt, long pants, socks, shoes, chemical-resistant gloves and protective eyewear.

- In addition to the above PPE, applicators using a high pressure handwand in an enclosed area must wear at least a NIOSH-approved respirator with: a dust/mist filter with MSHA/NIOSH approval number prefix TC-21C or any R, P, or HE filter.
- In addition to the above PPE, applicators fogging this product (applying as a space spray) in an enclosed area must wear a half-face, full-face, or hood-style NIOSH-approved respirator with: a dust/mist filtering cartridge (MSHA/NIOSH approval number prefix TC-21C, or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a cartridge or canister with an R, P or HE filter.

### USER SAFETY REQUIREMENTS

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Discard clothing and other absorbent material that have been drenched or heavily contaminated with the product's concentrate. Do not reuse them.

**USER SAFETY RECOMMENDATIONS**

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.

**ENVIRONMENTAL HAZARDS**

This product is toxic to aquatic organisms, including fish and invertebrates. Drift and run-off may be hazardous to aquatic organisms in water adjacent to treated areas. This product may contaminate water through runoff. This product has a potential for run-off for several months or more after application. Poorly draining soils and soils with shallow water tables are more prone to produce run-off that contains this product.

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area.

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash-waters or rinsate.

**For containers > 5 gal:** Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollution Discharge Elimination System (NPDES) permit and the permitting authority has been notified, in writing, prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

**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.  
READ ENTIRE LABEL BEFORE EACH USE.**

**USE RESTRICTIONS**

- Apply this product only as specified on this label.
- Do not apply more than 1 time/day.
- Only protected applicators may be in treatment area during application.
- Do not apply this product in a way that will contact workers or other persons, either directly or through drift.
- Remove pets, birds and cover fish aquariums before spraying.
- When used as a direct or space spray, do not enter or allow others to enter until sprays have dried.
- For space sprays:
  - Do not enter or allow others to enter until vapors, mists and aerosols have dispersed and the treated area has been thoroughly ventilated.
  - Do not remain in treated area. Exit area immediately and remain outside the treated area until aerosol, vapors and/or mists and aerosols have dispersed and the treated area has been thoroughly ventilated.
- For space spray in residential areas:
  - Use at 0.5% or lower dilution rate.
  - Apply a maximum of 1 fl oz/1,000 ft<sup>3</sup>.
  - Use only for flying insects, not crawling insects.
- Do not make outdoor applications during rain.
- All outdoor applications must be limited to spot or Crack & Crevice® treatments only, except for the following permitted uses:
  1. Treatment to soil or vegetation around structures;
  2. Applications to lawns, turf and other vegetation;
  3. Applications to building foundations, up to a maximum height of 3 ft.
- Do not wet plant to point of runoff or drip.
- Do not wet articles to point of runoff or drip.
- Do not use treated articles until spray has dried.
- Do not water the treated area to the point of run-off.
- Except when applying to sewers or drains as instructed on this label, do not apply directly to sewers or drains, or to any area like a gutter where drainage to sewers, storm drains, water bodies, or aquatic habitat can occur.
- Do not use in aircraft cabins. Use only in cargo areas.
- Remove or cover all food and drinking water, in the treatment area, before application.
- Remove or cover dishes, utensils, food processing equipment, and food preparation surfaces in the treatment area, or wash them before use.
- For space spray applications in food handling and processing facilities:
  - Do not make applications when facility is in operation.
  - Prior to applications, cover or remove food in the treatment area.
  - Prior to applications, cover food processing surfaces, in the treatment area, or clean after treatment and before use.

- When used in dairy barns or facilities: Close milk bulk tank lids to prevent contamination from spray and from dead or falling insects. Remove or cover milking utensils before application. Wash teats of animals before milking.
- Do not apply this product in hospital rooms while occupied or in any rooms occupied by the elderly or infirm. Remove patients from room prior to treatment and thoroughly ventilate (2 hr) after application. Do not return patients to room until after ventilation.
- Do not use in patient rooms in hospitals and nursing homes for treatment of bed bugs.
- Do not apply to classrooms when in use.

**DILUTION RATES**

Dilute only with water. Follow the rates for specific pests and apply in a mechanical sprayer, mist sprayer, mechanical aerosol generator which produces particles of aerosol size (80% of droplets < 30 microns) or in a pump sprayer or automated misting system\*. Use the 0.25% rate for maintenance. Use higher rates for clean outs or high insect infestations.

Pyrethrin % Desired	Amount of Concentrate per Gallon of Water*
0.025%	1 fl oz
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 OIL.

NOTE: 1/3 fl oz = 2 tsp and 1/2 fl oz = 1 tbsp

**APPLICATION INSTRUCTIONS**

**USED IN COMBINATION WITH OTHER INSECTICIDES:** This product may be combined with other insecticides and acaricides where resistance may be a problem, and to flush insects from hiding and into contact with other spray residues. The application must conform to the accepted use precautions and directions for both products.

Prior to tank-mixing, conduct a compatibility test using the proper proportions of chemicals and water to ensure the physical compatibility of the mixture.

Tank mix applications must be made in accordance with the more restrictive of label limitations and precautions. No label application rates may be exceeded. This product cannot be mixed with any product with label prohibitions against such mixing. To provide flushing and quick knockdown, mix 0.50 - 8.0 fl oz/gal. It is recommended that the final spray mix be buffered to a pH of 5.5 - 7.0.

**SPACE SPRAY (INDOORS):** Apply using a mechanical aerosol generator which creates particles of aerosol size (80% of droplets < 30 microns). Prior to treatment, open cabinets, doors and equipment to be treated; turn off air conditioners and fans, extinguish all flames and close windows in the area to be treated. Disperse toward areas suspected of harboring the greatest infestations of listed pests. Disperse in all locations (including around equipment, appliances and pallets, if desired) contacting as many insects as possible. Do not remain in treated areas after application. Keep area closed for at least 1 hr. Open and thoroughly ventilate treated areas before reoccupying. For space treatment in residences, only for flying insects, use at the 0.5% or below rate.

**CRACK & CREVICE TREATMENT:** Use diluted or undiluted. Apply as a Crack & Crevice treatment into cracks, crevices and void spaces where pests hide, harbor, live and breed (such as behind baseboards, sinks, cabinets, door frames and windows). Place injector tip into cracks, crevices, holes and other small (openings) areas. For lighter infestations, move injector tip along cracks while treating at the rate of 4 ft/sec. For heavier infestations, move injector tip along cracks while treating at the rate of 2 ft/sec. Apply in such a manner that dripping and run-off on structural surfaces is minimized.

**VOID TREATMENT:** Use to flush and kill insects harboring in closed or inaccessible areas such as attics, false ceilings and crawl spaces. Calculate the cubic volume (area) of the void and treat at a rate of 1 fl oz/1,000 ft<sup>3</sup>. Apply in such a manner that dripping and run-off on structural surfaces is minimized.

**DIRECT SPRAY OR VOID INJECTION:** Use equipment designed for space or mist treatments. Follow the manufacturer's recommendations for proper equipment setup and operation. Place the tip of the applicator at or into the crack or crevice or opening to the void. Apply in short bursts into area being treated. Apply 1 sec of product for every 3 ft<sup>3</sup> of void area. **For Direct Spray,** apply the product in short bursts into the area where insects are to be contacted, such as corners of the room, behind and under furniture or other equipment. Apply from a distance of 18 - 24" away from the surface and allow the material to drift to area to be treated. The amount of product applied is not to exceed 0.5 fl oz /1,000 ft<sup>3</sup>.

**INDOOR TREATMENTS**

**FLYING INSECTS (such as Cluster Flies, Flies, Gnats, Mosquitoes, Moths, Small Flying Moths and Webbing Clothes Moths):** Apply as a crack and crevice, void treatment, direct spray, or space spray at 0.125% - 3.0%, using 1.0 fl oz concentrate/1,000 ft<sup>3</sup> of space. Close all windows and doors. Direct aerosol upward and disperse in all locations. Do not remain in treated areas after application. Keep area closed for at least 1 hr. Open and thoroughly ventilate treated areas before reoccupying.

**CRAWLING INSECTS [such as Ants (excluding Harvester), Booklice, Carpet Beetles, Centipedes, Clothes Moths, Clover Mites, Cockroaches, Crickets, Dermestid Beetles, Earwigs, Firebrats, Fleas, Millipedes, Scorpions, Silverfish, Sowbugs and Spiders (excluding Black Widow and Brown Recluse)]:** Crack & Crevice, Void, Direct Spray and/or Space Treatment: Apply at 1.0% to cracks and crevices and structural void spaces as well as behind baseboards, sinks, cabinets, door frames and windows, and inside and around food conveying, processing and handling equipment. Do not apply as a space spray in residences.

**STORED PRODUCT PESTS (such as Angoumois Grain Moths, Cadelles, 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, Sawtoothed Grain Beetles, Spider Beetles, Trogoderma and Weevils):** Apply as a crack and crevice, void treatment, direct spray, or space spray at 1% - 3%, using 1.0 fl oz concentrate/1,000 ft<sup>3</sup> of space. Use only in areas where food is not exposed. Thoroughly clean all food preparation areas after treatment and before food is exposed. Direct aerosol upward and disperse in all locations. Do not remain in treated areas after application. Keep area closed for at least 1 hr. Open and thoroughly ventilate treated areas before reoccupying. Do not apply as a space spray in residences.

**BED BUGS AND TICKS:** Apply as a space spray, directed spray treatment or Crack & Crevice treatment. Expose mattress and box springs. *Space Spray:* Apply at 1% - 3%, using 0.5 - 1.0 fl oz concentrate/1,000 ft<sup>3</sup> of space. *Crack & Crevice Treatment or Void Injection:* Apply at 1% - 3% to cracks and crevices or structural voids around baseboards, floorboards, bed boards and walls. *Direct Spray Treatment:* Apply as a spot treatment where evidence of bed bugs occurs. This includes bed frames, box springs, inside empty drawers and clothes closets, night stands and other furniture in the room, carpet edges, high and low wall moldings (such as floor molding or window casings), wall voids, behind wall hangings, wallpaper edges and popcorn ceilings. Take bed apart. Treat joints and channels if hollow, such as square or round tubing, and see that interior framework is treated. Do not apply as a space spray in residences.

**FLEAS:** Apply as a directed or space spray to infested areas at 1% - 3%. Remove or cover animal feed and drinking water before spraying. To control the source of flea infestations, treat pets with a product registered for such use. Do not apply as a space spray in residences.

**DARKLING BEETLES:** Empty poultry houses and apply, undiluted, as a space spray using 0.25 fl oz concentrate/1,000 ft<sup>3</sup> of space. Keep closed for 1 hr. Thoroughly ventilate (24 hr) before returning poultry.

**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 diluted at 1% - 3%.

**CRAWLING INSECTS [such as Ants (excluding Harvester), Booklice, Carpet Beetles, Centipedes, Clothes Moths, Clover Mites, Cockroaches, Crickets, Dermestid Beetles, Earwigs, Firebrats, Fleas, Millipedes, Scorpions, Silverfish, Sowbugs and Spiders (excluding Black Widow and Brown Recluse)]:** Crack & Crevice, Void and/or Direct Spray: Apply at 1% - 3% into cracks, crevices and structural voids as well as behind baseboards, sinks, cabinets, door frames and windows, and inside and around food conveying, processing and handling equipment.

**OUTDOOR TREATMENTS**

**MOSQUITOES, FLIES, MIDGES AND GNATS:** Dilute to 0.05% - 0.125% when applying with mechanical, electrical, fogging or automated misting<sup>†</sup> equipment. To combat these pests in open areas near homes, buildings and in campgrounds, allow product to drift through shrubbery, vegetation and other harborage/resting areas. 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.

**PERIMETER TREATMENT:** For crawling insects, apply at 1% - 3% to cracks and crevices where insects may enter premises, such as weep holes, under siding, wall voids, soffits, around attic vents and openings around windows, doors and pipes. Treatment of infested fences and tree holes is permitted.

To help prevent infestations of buildings, treat a band of soil 6 - 10 ft wide around and adjacent to the building. Also treat the building foundation to a height of 2 - 3 ft where pests are active and may find entrance.

**URBAN MISTING SYSTEMS:** Use at 0.025% (1:108) - 0.108% (1:27).

\*In New York State [Alternate Text: state name(s)], this product may NOT be applied using residential automated misting systems.

AUTOMATIC SPRAYING SYSTEM DILUTION TABLE				
Rate / Dilution Ratio	Mixing Rate 1 Gallon Tank	Mixing Rate 55 Gallon Tank	Gallons/Day/1,000 ft <sup>3</sup>	Finished Spray/Day/ 1,000 ft <sup>3</sup>
0.025% (1:108)	1 fl oz	64 fl oz	0.055 gal	7 fl oz
0.050% (1:54)	2 fl oz	128 fl oz	0.027 gal	3.5 fl oz
0.108% (1:27)	4 fl oz	256 fl oz	0.014 gal	1.75 fl oz

**USE RESTRICTIONS**

- When using this product, installers and service technicians must comply with the license, certification or registration requirements of the state(s), tribe(s) or local authority (ies) where they are installed.
- If the system works on an automatic timer, set the timing for application when people, pets and food are unlikely to be present.
- If the system works when a person operates a remote activation device, then application of this pesticide when people, pets and food are present is prohibited.
- Do not use in an evaporative cooling system.
- Direct nozzles to spray towards the target area and away from swimming pools, water bodies, or eating and cooking areas.
- Do not set nozzles to direct mist near outside air condition systems or other home air intakes.
- If used in a system with a reservoir tank for the end use dilution, the system reservoir tank must be locked. Securely attach the end use pesticide label and a dilution statement to the system reservoir tank in a weather protected area or plastic sleeve. The dilution statement must be phrased as follows: This container holds \_\_\_ parts [product name] to \_\_\_ parts water."
- If used in a direct injection system, the pesticide container must be locked. Securely attach the end use label to the pesticide container in a weather protected area or plastic sleeve.
- Contact the system manufacturer for guidance or assistance to ensure compliance with the following requirement:  
This product must only be used in systems that have been calibrated to apply no more than the maximum application rate equal to 0.00011 lbs pyrethrins per 1,000 ft<sup>3</sup>/day.

**LIVESTOCK (DOMESTIC)**

**On Domestic Animals/Livestock:** Use to protect beef cattle, dairy cattle and horses from horn flies, house flies and gnats, apply a light mist sufficient to wet the tips of the hair. To kill stable 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. Repeat every 2 – 3 weeks as required, but do not apply more than 1 time/day. **Do not use on dogs and cats.**

**Space Treatment Over Animals in Barns and Corrals or in Indoor Misting Systems Used in Commercial Barns, Stables and Animal Quarters:** Select proper dilution and treat with ULD equipment over animals, or apply through indoor Misting Systems.

**USE RESTRICTIONS FOR INDOOR MISTING SYSTEMS**

- Not for use in outdoor residential misting systems (indoor or outdoor). See URBAN MISTING SYSTEMS under OUTDOOR TREATMENTS for directions for use in Urban/Residential automated misting systems.
- Do not apply this product in barns or stables where animals intended for slaughter or human consumption will be maintained.
- Do not apply when food, feed and/or water is present.
- When using this product, installers and service technicians must comply with the license, certification or registration requirements of the state(s), tribe(s) or local authority(ies) where they are installed.
- When applying via a remote activation device, do not apply when people and pets are present. If possible, when applying via automatic timer, set the timing for application when people and pets are unlikely to be present.
- Direct nozzles to spray towards the target area and away from areas where people are typically present.
- Do not use in evaporative cooling system.
- Do not use in misters located within 3 ft of air vents, air conditioner units or windows.
- If used in a system with a reservoir tank for the end use dilution, the system reservoir tank must be locked. Securely attach the end use pesticide label and a dilution statement to the system reservoir tank in a weather protected area or plastic sleeve. The dilution statement must be phrased as follows: this container holds \_\_\_ parts [product name] to \_\_\_ parts water.
- If used in a direct injection system, the pesticide container must be locked. Securely attach the end use label to the pesticide container in a weather protected area or plastic sleeve.
- This product must only be used in systems that have been calibrated to apply no more than the maximum application rate of 0.0033 lbs/1,000 ft<sup>3</sup> (no animals present) [diluted to 1% = 4.5 fl oz/1,000 ft<sup>3</sup> = 0.0833 lbs/gal] or 0.0008 lbs/1,000 ft<sup>3</sup> (animals present) [diluted to 1% = 0.0007 lbs/fl oz = 0.0833 lbs/gal].

**HORTICULTURE USE**

**FOR USE IN:** Hobby Greenhouses, Interiorscapes and Landscapes

**KILLS:** Aphids, Armyworms, Beetles, Bugs (Boxelder, Lace and Plant), Caterpillars (Cabbage Worms, Rose Slugs, Hornworms), Clover Mites, Crickets, Earwigs, Firebrats, Fruitworms, Fungus Gnats, Fungus Gnat Larvae, Grasshoppers, Leafhoppers, Leafminers, Leaf Rollers, Loopers, Mealybugs, Millipedes, Psylla, Rose Aphids, Scale Insects, Sowbugs, Spiders (excluding Black Widow and Brown Recluse), Spider Mites, Thrips and Whiteflies

**APPLICATION INSTRUCTIONS**

Use diluted (0.05% - 0.25%) in sprayers. Treat upper and lower foliage surfaces of plants uniformly.

SPRAY DILUTION CHART	
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

**\* DO NOT DILUTE WITH OIL.**

**PLANT SAFETY NOTICE:** This product has demonstrated excellent plant safety; however, all varieties of the plants listed have not been tested. When treating large numbers of plants of a single variety, treat a few plants and observe for phytotoxicity prior to full scale application. Direct treatment to some open blooms may cause petal drop.

**FOR USE INDOORS AND OUTDOORS ON:**

**Bedding plants (such as):** Impatiens, Marigolds, Petunias, Geraniums and Garden Mums

**Cut Flowers (such as):** Roses, Chrysanthemums, Carnations, Snapdragons and Orchids

**Flowering hanging baskets (such as):** Fuchsia, Lantana, New Guinea Impatiens, Ivy, And Geraniums

**Foliage (Such as):** Boston Fern, Dracaena, Ficus, Schefflera and Philodendron

**Potted Flowering plants (such as):** Poinsettia, Chrysanthemums, Florist's Azaleas, Lilies, African Violets, Geraniums, Hibiscus, Kalanchoes and Begonias

**Ornamentals (Such as):** Azalea, Barberry, Cotoneaster, Euonymus, Holly, Juniper, Oak, Pine, Rhododendron, Roses, Spiraea, Spruce, Virburnum and Yew

**Do not treat vegetables.**

**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. Do not store above 100°F for extended periods of time. Storage below 32°F may cause freezing. 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:** Nonrefillable container. Empty container by using the product according to the label directions. Do not reuse or refill this container! Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows:

[(<5 gal) Empty the remaining contents into application equipment or a mix tank and drain for 10 sec after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 sec. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 sec after the flow begins to drip. Repeat this procedure 2 more times.]

[(>5 gal) Empty remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 sec. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure 2 more times.]

Then offer for recycling, if available, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned stay out of smoke.

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

**INDOORS:**

- Animal Areas & Quarters
- Apartments
- 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
- Communication Centers
- Condominiums
- 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
- Food Storage Areas
- Freight Containers
- Fruit Packing Sheds
- Garbage Cans
- Garbage Compactors
- Grain Elevators



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Grain Handling Equipment  
 Grain Mills  
 Granaries  
 Hobby Greenhouses  
 Hog Operations  
 Homes  
 Horse Barns  
 Horse Stables  
 Hospices  
 Hospitals  
 Hotels  
 Industrial Installations  
 Institutions  
 Interiorscapes  
 Jails  
 Kennels  
 Laboratories  
 Libraries  
 Livestock Barns  
 Loafing Sheds  
 Locker Rooms  
 Mausoleums  
 Meat Packing Plants  
 Meat, Poultry and Egg Processing Facilities  
 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  
 Playgrounds  
 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  
 Shade Houses  
 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 Processing Facilities  
 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  
 Plantscapes  
 Recreational Areas  
 Sewers  
 Swineyards  
 Meat, Poultry and Egg Processing Facilities  
 Zoos

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

**FLYING INSECTS:**

Aphids  
 Barn Flies  
 Black Flies  
 Blow Flies  
 Bottle Flies  
 Cheese Skippers  
 Cluster Flies  
 Deer Flies  
 Flies  
 Fruit Flies  
 Fungus Gnats  
 Gnats  
 Horn Flies  
 Horse Flies  
 House Flies  
 Midges  
 Mosquitoes  
 Mushroom Flies  
 Paper Wasps  
 Skipper Flies  
 Stable Flies  
 Thrips  
 Vinegar Flies  
 Whiteflies

**GRAIN BORERS:**

Larger Grain Borers  
 Lesser Grain Borers

**CRAWLING INSECTS:**

Ants (excluding Harvester)  
 Bed Bugs  
 Booklice  
 Boxelder Bugs  
 Cabbage Loopers  
 Cabbage Worms  
 Carpenter Ants  
 Chrysanthemum Leaf Miners  
 Cockroaches  
 Crickets  
 Earwigs  
 Fire Ants  
 Firebrats  
 Grasshoppers  
 Mealy Bugs  
 Millipedes  
 Pill Bugs  
 Psocids  
 Scorpions  
 Silverfish  
 Sowbugs

Spring Tails  
 Vegetable Leaf Miners

**FLEAS AND TICKS:**

Brown Dog Ticks  
 Fleas  
 Sheep Ticks  
 Spinosa Ear Ticks  
 Ticks

**SPIDERS & MITES:**

Cheese Mites  
 Clover Mites  
 Grain Mites  
 Red Spider Mites  
 Spider Mites  
 Spiders (excluding Black Widow and Brown Recluse)

**WORMS:**

Dark Mealworms  
 Lesser Mealworms  
 Mealworms  
 Yellow Mealworms

**BETTERLES:**

American Black Flour Beetles  
 Black Carpet Beetles

Black Fungus Beetles  
 Broadhorned 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  
 Elm Leaf Beetles  
 Flat Grain Beetles  
 Flour 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  
 Sawtoothed Grain Beetles  
 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  
 Indianmeal Moths  
 Mediterranean Flour Moths  
 Moths  
 Pink Scavenger Caterpillars  
 Rice Moths  
 Small Flying Moths  
 Tobacco Moths  
 Webbing Clothes Moths

**CONDITIONS OF SALE AND WARRANTY**

Follow the **Directions for Use**. It is impossible to eliminate all risks inherently associated with use of this product, and therefore all such risk shall be assumed by the Buyer. Whitmire warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the **Directions for Use**, subject to the inherent risks, referred to above. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW: (A) WHITMIRE MAKES NO OTHER WARRANTIES EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF FITNESS FOR PARTICULAR PURPOSE OR MERCHANTABILITY, (B) BUYER'S EXCLUSIVE REMEDY AND WHITMIRE'S AND SELLER'S EXCLUSIVE LIABILITY, WHETHER IN CONTRACT, TORT, NEGLIGENCE, STRICT LIABILITY, OR OTHERWISE, SHALL BE LIMITED TO REPAYMENT OF THE PURCHASE PRICE OF THE PRODUCT, AND (C) WHITMIRE AND THE SELLER DISCLAIM ANY LIABILITY FOR CONSEQUENTIAL, INCIDENTAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. Whitmire and the Seller offer this product, and the Buyer accepts it, subject to these **Conditions of Sale and Warranty** which may be varied only by agreement in writing signed by a duly authorized representative of Whitmire.

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