

499-511

08/08/2013

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

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

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

AUG - 8 2013

Dear Ms. Hodge:

Subject: Application for Pesticide Notification (PRN 98-10)
Add Alternate Brand Name with descriptor
TC 263
EPA Reg. No. 499-511
Your submission dated April 23, 2013

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated April 23, 2013 for the above product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds the action requested falls within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" and will be placed in our records. The Agency's records will be updated to include the Alternate Brand Name: ULD HydroPy-300 Formula 2.

Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on nonrefillable containers. The code may appear either on the label (and can be added by non-notification/PR Notice 98-10) or durably marked on the container itself.

If you have any questions regarding this letter, please contact Dana Pilitt, Ph.D. of my staff at (703) 305-7071 or via e-mail at pilitt.dana@epa.gov.

Sincerely,

A handwritten signature in black ink that reads "Richard Gebken".

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

499-511 D 478374



United States
Environmental Protection Agency
Washington, DC 20460

<input type="checkbox"/>	Registration
<input type="checkbox"/>	Amendment
<input checked="" type="checkbox"/>	Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 499-511	2. EPA Product Manager Richard Gebken	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) TC-263	PM# 10	
5. Name and Address of Applicant (Include ZIP Code) Whitmire Micro-Gen Research Laboratories Inc. 3568 Tree Court Industrial Blvd. St. Louis, MO 63122-6682 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Label Notification of addition of an Alternate Brand Name.
This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 156.10 and 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notices 83-1, 84-1, 98-10 and 2001-6 and the requirements of 40 CFR 156.10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Section - III

1. Material This Product Will Be Packaged In:					2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No			<input type="checkbox"/> Metal	<input type="checkbox"/> Plastic
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt	No. per container	<input type="checkbox"/> Glass
						<input type="checkbox"/> Paper
						<input type="checkbox"/> Other (Specify) _____
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/>		
6. Manner in Which Label is Affixed to Product		<input type="checkbox"/> Lithograph Paper glued Stenciled		<input type="checkbox"/> Other _____		

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Patricia Hodge	Title Product Regulations Specialist	Telephone No. (Include Area Code) cc cc cc cc cc cc cc cc cc cc
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature <i>Patricia Hodge</i>	3. Title Product Regulations Specialist	
4. Typed Name Patricia Hodge	5. Date 4/23/2013	



The Chemical Company

April 23, 2013

Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504P)
U.S. Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 South Crystal Drive
Arlington VA 22202-4501

**RE: Label Notification per PRN 98-10 adding Alternate Brand Name
TC 263
EPA Reg. No. 499-511**

Enclosed in support of this action is a completed application and one revised labeling (an electronic copy and label certification is also enclosed).

The label has been revised as follows:

- 1. Adding the **Alternate Brand Name** "ULD® HydroPy-300® Formula 2" with **Descriptor:** "Pyrethrin Concentrate Insecticide"

This label has been revised via Notification of label changes per PRN 98-10 and the requirements of EPA's regulations at 40 CFR part 156. No other changes have been made to the labeling or the Confidential Statement of Formula for this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if the amended label is not consistent with the requirements of 40 CFR part 156, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Thank you for your assistance in this matter. Please don't hesitate to contact me at 636-861-4272 or, via e-mail at patricia.hodge@basf.com, should you have any questions or require additional information regarding this action.

Sincerely,

Patricia Hodge
Product Regulations Specialist

Submitted on behalf of:
Dana M. Thomas
Product Regulatory Manager
and Authorized Agent for
Whitmire Micro-Gen Research Laboratories, Inc.

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[ALTERNATE BRAND NAME: "ULD® HydroPy-300® Formula 2" Descriptor: "Pyrethrin Concentrate Insecticide"] {Submitted via Notification 4/22/2013}

[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 outdoor 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%
OTHER INGREDIENTS:	82.0%
	TOTAL: 100.0%

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

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

NOTIFICATION

AUG - 8 2013

KEEP OUT OF REACH OF CHILDREN

CAUTION

[See back panel/inside booklet for First Aid, Precautionary Statements, Directions for Use and Storage & Disposal.]

EPA Reg. No. 499-511 • EPA Est. No. 7969-MO-1

NET CONTENTS: _____

FIRST AID

IF SWALLOWED: Call a poison control center or doctor immediately 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 (4357) 24 hr/day, 7 days/week.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: 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.

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 ft³.
 - 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.

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- 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 ft³. 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 ft³ 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 ft³.

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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 ft³ 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, German 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 ft³ 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 ft³ 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 ft³ 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, German 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[†] 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.

OUTDOOR RESIDENTIAL 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 outdoor 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 ³	Finished Spray/Day/ 1,000 ft ³

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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 ft³/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 ft³ (no animals present) [diluted to 1% = 4.5 fl oz/1,000 ft³ = 0.0833 lbs/gal] or 0.0008 lbs/1,000 ft³ (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

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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.]

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.

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

MASTER LABEL

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Food Storage Areas
 Freight Containers
 Fruit Packing Sheds
 Garbage Cans
 Garbage Compactors
 Grain Elevators
 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 (German)
 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
 Spinose 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

MASTER LABEL

Lesser Mealworms
Mealworms
Yellow Mealworms

BEETLES:

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

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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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