



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

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

August 6, 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; Addition of Updated Non-Agricultural Pyrethroid Outdoor Use Restriction Language & Proposed Revisions to Existing Environmental Hazards Statement
Whitmire Micro-Gen TC 263, EPA Reg. No. 499-511
Your Submission Dated May 5, 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):

1. Delete all text throughout the label marked with "strikethrough."

Precautionary Statements, Hazards to Humans and Domestic Animals subsection comment(s):

2. In order to facilitate the inclusion of required label language from the acute toxicity review completed in support of this product, and to include required (not redundant) label language that was inadvertently left out of the previous SAL dated February 13, 2013, you must insert the following text immediately following the existing 3rd sentence within this subsection to read "Wash hands thoroughly with plenty of soap and water after handling, and before eating, drinking, chewing gum, using tobacco or using the toilet."

Directions for Use, USE RESTRICTIONS subsection comment(s), pages 2-3 of 8:

3. In order to facilitate the inclusion of required label language from the REDs for pyrethrins and piperonyl butoxide, you must make the following changes within the existing "USE RESTRICTIONS" subsection:
 - Insert the following new bulleted use restriction immediately following the existing 1st bulleted use restriction to read "Do not apply this product directly to domestic (companion animals) such as dogs, puppies, cats, or kittens."
 - Revise the existing 16th bulleted use restriction to read "Application is prohibited directly into sewers or drains, or to any area like a gutter where drainage to storm sewers, water bodies, or aquatic habitat can occur. Do not allow the product to enter any drain during or after application."

Directions for Use, USE IN AND AROUND LIVESTOCK HOUSING subsection comment(s), middle of page 4 of 8:

4. Revise the existing "BED BUGS AND TICKS:" subsection heading to read "TICKS:"

Directions for Use, BED BUGS subsection comment(s), middle of page 4 of 8:

5. In order to maintain consistency with many other Whitmire Micro-Gen Research Laboratories, Inc. products, insert the following new "BED BUGS:" subsection immediately following the "TICKS:" subsection to read as follows:

"BED BUGS: Thoroughly inspect area of suspected bed bug infestation, and note potential harborage sites or actual infestations. Remove and/or pick up clothing and other obstacles that may prevent thorough inspection or treatment. Remove and sanitize infested bedding (pillows and linens), clothing, or other items.

Apply to mattresses as a spot treatment to mattress seams, edges, and tufts of bed only. Do not use directly on pillows, bed linens or clothes. Do not saturate the mattress; and do not treat entire surface area of mattress. Allow mattress to dry thoroughly before replacing pillows and/or bed linens.

Bed bugs may also harbor in areas of the room away from the bed. Apply as a crack & crevice or spot application 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 and mirrors, wallpaper edges and popcorn ceilings. Remove all clothes and other articles from dressers or closets before application. Take bed apart. Treat joints and channels if hollow, such as square or round tubing, and see that interior framework is treated. Apply as a surface application to carpeting, drapes, and flooring. Allow all treated areas to dry thoroughly before use. Do not apply as a space spray in residences."

Directions for Use, STRUCTURAL PERIMETER TREATMENT subsection comment(s), bottom of page 4 of 8:

6. In order to maintain consistency with the newly added updated non-agricultural pyrethroid outdoor use restriction language, you must revise the existing "**PERIMETER TREATMENT:**" subsection to read as follows:

"PERIMETER TREATMENT: To reduce infestations of buildings, treat a band of soil 6 – 10 ft wide around and adjacent to building. Also treat the building foundation up to a maximum height of 3 ft above grade. Applications around potential pest entry points where pests are active and may find entrance into buildings are limited to a surface band not to exceed 1 inch in width. Treat the underside of eaves, soffits, doors, windows, under siding and eaves of structures. This product may be applied in compressed air, backpack or low pressure power spray equipment at the rate of 1% – 3%. Apply in sufficient water to adequately cover the area being treated. Apply in such a manner to limit dripping and run-off, and do not allow this product to enter or run-off into storm drains, drainage ditches, gutters, or surface waters."

Directions for Use, LIVESTOCK (DOMESTIC) subsection comment(s), middle of page 5 of 8:

7. In order to maintain consistency with the revised "**USE RESTRICTIONS**" subsection, and to facilitate the inclusion of required label language from the REDs for pyrethrins and piperonyl butoxide throughout the subject label, you must make the following changes:

- Revise the existing "**LIVESTOCK (DOMESTIC)**" subsection heading to read "**LIVESTOCK ANIMALS**"
- Revise the existing "**On Domestic Animals/Livestock:**" subsection heading to read "**For Treatment of Livestock Animals:**"
- Within the "**For Treatment of Livestock Animals:**" subsection, revise the 4th sentence to read "**Do not apply this product directly to domestic (companion animals) such as dogs, puppies, cats, or kittens.**"

Directions for Use, PLANT SAFETY NOTICE subsection comment(s), middle of page 6 of 8:

8. Revise the existing "**PLANT SAFETY NOTICE:**" subsection heading to read "**PHYTOTOXICITY NOTICE:**"


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

9. To facilitate inclusion of required label language from Agency's Label Review Manual and/or PR Notice 2007-4, you must revise the existing "**PESTICIDE STORAGE:** Store this product in its original container in a cool, dry (preferably locked) place, in an area that is inaccessible to children and animals. Do not store above 100°F for extended periods of time. Storage below 32°F may cause freezing. If container is damaged or if spill occurs, use product immediately, or dispose of product and damaged container as indicated below."

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 about this label review, please contact Mr. Carmen J. Rodia, Jr. at (703) 306-0327 or via e-mail at Rodia.Carmen@epa.gov.

Sincerely yours,



Richard J. Gebken,
Product Manager (10)
Insecticide Branch,
Registration Division (7504P)

Enclosure: Label Stamped "Accepted with Comments," dated August 6, 2013

000499-00511 D478888

TC 263

[ALTERNATE BRAND NAME #1: Prescription Treatment® brand ULD® HydroPy-300® Formula 2

Descriptor: Pyrethrin Concentrate] {added via Notification 4/1707}

[ALTERNATE BRAND NAME #2:

†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

Piperonyl butoxide**

OTHER INGREDIENTS:

**ACCEPTED
With COMMENTS
In EPA Letter Dated:**

August 6, 2013

**Under the Federal Insecticide, Fungicide
and Rodenticide Act, As amended, for the
pesticide Registered under EPA Reg. No:**

499-511

Pyrethrins*	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

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. 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 thoroughly with soap and water after handling and 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.

To protect the environment, do not allow pesticide to enter or run off into storm drains, draining ditches gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hr will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or draining systems.

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.
- Do not apply directly to impervious horizontal surfaces such as sidewalks, driveways and patios except as a spot or Crack & Crevice[®] treatment. During application, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters.
- All outdoor applications if permitted elsewhere on this label, must be limited to spot or Crack & Crevice treatments only, except for the following permitted uses, if allowed elsewhere on this label:
 1. Applications to soil or vegetation, as listed on this label, around structures;
 2. Applications to lawns, turf and other vegetation, as listed on this label;
 3. Applications to the side of a building, up to a maximum height of 3 ft above grade;
 4. Applications to underside of eaves, soffits, doors or windows permanently protected from rainfall by a covering, overhand, awning or other structure;
 5. Applications around potential pest entry points into buildings, when limited to a surface band not to exceed one inch in width;
 6. Applications made through the use of a coarse, low pressure spray to only those portions of surfaces that are directly above bare soil, lawn, turf, mulch or other vegetation, as listed on this label, and not over an impervious surface, drainage or other condition that could result in runoff into storm drains, drainage ditches, gutters or surface waters, in order to control occasional invaders or aggregating pests.
- 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.
- 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, except as directed by this label.
- 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 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.

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, 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, 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
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

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
 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
- 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
- Spinos 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

BETLES:

- 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
- Dermeestid 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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