

499-511

10/25/2007

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

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

October 25, 2007

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

**Subject: Label Amendment, Addition of Public Health Pests & Revised Use Directions
Whitmire Micro-Gen TC 263, EPA Registration No. 499-511
Your Submission Dated June 6, 2007**

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 provision(s):

General Statement:

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

Efficacy Review comment(s): ¹

- 2. All references to "cockroaches" must be revised to read "German cockroaches."
- 3. All references to "Ants (Harvester)" must be revised to read "Ants (except Harvester)."
- 4. All references to "Palmetto Bugs" must be deleted from this label.
- 5. All references to "GENERAL SURFACE SPRAY" treatments must be deleted from this label. The submitted data do not support inclusion of "GENERAL SURFACE SPRAY" treatments on the label.

First Aid section comment(s), page 2 of 9:

- 6. Replace the last statement in this section starting with "Have the product container or" with: "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 pesticide product (including health concerns, medical emergencies or pesticide incidents), you may call 1-800-225-3320 or the National Pesticide Information Center at 1-800-858-7378.**" ²

Precautionary Statements, Hazards to Humans and Domestic Animals subsection comment(s), page 2 of 9:

- 7. Replace the 4th and 5th sentences with: "Wash hands thoroughly with plenty of soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothes immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Obtain medical attention if irritation persists. Avoid contamination of food or feedstuffs."

¹ For more detailed information, please refer to page 14 of 14 of the efficacy review for this product.

² Please note that the "1-800-225-3320" number listed must be available twenty-four (24) hours per day, seven (7) days per week for answering and responding to any medical emergencies or health concerns.

Precautionary Statements, Environmental Hazards subsection comment(s), page 2 of 9:

8. Replace the existing section with:

"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 has a potential for run-off for several weeks 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. See Directions for Use for additional precautions and restrictions."

Directions for Use section comment(s), page 3 of 9:

9. Add the statement **"READ ENTIRE LABEL BEFORE EACH USE"** immediately following the statement "IT IS A VIOLATION OF ..." This new statement must be in bold, all caps.

10. Replace the existing section titled "USE RESTRICTIONS" with"

<p>General Precautions and Use Restrictions</p> <ul style="list-style-type: none"> • Apply this product only as specified on this label. • Do not allow adults, children or pets 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 aerosols, vapors and/or mists have dispersed. • Do not apply this product in a way that will contact adults, children or pets, either directly or through drift. • Remove or cover exposed food and drinking water before application. • Remove or cover dishes, utensils, food processing equipment and food preparation surfaces, or wash them before use. • Do not make space spray applications when facility is in operation. • During space spray applications, cover or remove food. • During space spray applications, cover food processing surfaces and equipment or clean after treatment with a suitable detergent and rinse with potable water before use. • Remove pets, birds and cover fish aquariums before spraying. • In health care facilities, remove patients prior to treatment and thoroughly ventilate treated area for 2 hours before returning patients. • Do not apply directly to or near water, storm drains or drainage ditches. Do not apply when windy. To prevent product run-off, do not over water the treated area(s) or apply when heavy rain is expected. Rinse applicator over lawn or garden area only.
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Directions for Use, SPACE SPRAY (INDOORS) subsection comment(s), page 3 of 9:

11. Replace the existing subsection with: "Apply using a mechanical aerosol generator which creates particulates of aerosol size (80% of droplets less than 30 microns). Prior to treatment, open cabinets and doors, turn off air conditioners and fans, extinguish all flames and close doors and windows in the area to be treated. Disperse toward areas suspected of harboring the greatest insect infestations. 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 60 minutes. Open and thoroughly ventilate treated areas before reoccupying."

Directions for Use, CRACK AND CREVICE® TREATMENT subsection comment(s), page 3 of 9:

- 12. Replace the existing subsection with: "Use diluted or undiluted. Apply TC 263 as a Crack & Crevice treatment into cracks, crevices and void spaces where pests might be hiding, harboring, living and breeding (such as behind baseboards, sinks, cabinets, door frames and windows). Place injector tip into cracks, crevices, holes and other small (openings) areas. Apply at a rate of 1 ft/sec. For lighter infestations, move injector tip along cracks while treating at a rate of 3 ft/sec. For heavier infestations, move injector tip along cracks while treating at a rate of 1 ft/sec. Apply in such a manner that dripping and run-off on structural surfaces is minimized."³

Directions for Use, VOID INJECTION subsection comment(s), page 3 of 9:

- 13. Replace the existing subsection with: "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 5 to 10 seconds per 3 ft³. Apply to surfaces until moist, but in such a manner that dripping and run-off on structural surfaces is minimized."

Directions for Use, SPOT TREATMENT AND GENERAL SURFACE SPRAY subsection comment(s), page 3 of 9:

- 14. Replace the existing subsection with: "**SPOT TREATMENT:** Hold spray nozzle about 18–24" from area to be treated. Apply to surfaces until moist, but in such a manner that dripping and run-off on structural surfaces is minimized."

Storage and Disposal section comment(s), page 3 of 9:

- 15. The subsection labeled as "**STORAGE:**" should be revised to read: "**PESTICIDE STORAGE:**"
- 16. In the subsection labeled as "**CONTAINER DISPOSAL: [≤2.5 gallon container],"** insert the words "**If empty:**" immediately preceding the 2nd sentence.

First Aid section comment(s), page 5 of 9:

- 17. Replace the last statement in this section starting with "Have the product container or" with: "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 pesticide product (including health concerns, medical emergencies or pesticide incidents), you may call 1-800-225-3320 or the National Pesticide Information Center at 1-800-858-7378.**"⁴

Precautionary Statements , Hazards to Humans and Domestic Animals subsection comment(s), page 5 of 9:

- 18. Replace the 4th and 5th sentences with: "Wash hands thoroughly with plenty of soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothes immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Obtain medical attention if irritation persists. Avoid contamination of food or feedstuffs."

Precautionary Statements, Environmental Hazards subsection comment(s), page 5 of 9:

- 19. Replace the existing section with:

"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 has a potential for run-off for several weeks after application. Poorly draining soils and soils with shallow water tables are more prone to produce run-off that contains this product."

³ Make sure that all referenced application rates listed in these subsections of the product label are consistent.

⁴ Please note that the "1-800-225-3320" number listed must be available twenty-four (24) hours per day, seven (7) days per week for answering and responding to any medical emergencies or health concerns.

"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. See Directions for Use for additional precautions and restrictions."

Directions for Use section comment(s), page 5 of 9:

- 20. Add the statement "**READ ENTIRE LABEL BEFORE EACH USE**" immediately following the statement "IT IS A VIOLATION OF ..." This new statement must be in bold, all caps.
- 21. Replace the existing section titled "USE RESTRICTIONS" with:

General Precautions and Use Restrictions

- Apply this product only as specified on this label.
- Do not allow adults, children or pets 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 aerosols, vapors and/or mists have dispersed.
- Do not apply this product in a way that will contact adults, children or pets, either directly or through drift.
- Remove or cover exposed food and drinking water before application.
- Remove or cover dishes, utensils, food processing equipment and food preparation surfaces, or wash them before use.
- Do not make space spray applications when facility is in operation.
- During space spray applications, cover or remove food.
- During space spray applications, cover food processing surfaces and equipment or clean after treatment with a suitable detergent and rinse with potable water before use.
- Remove pets, birds and cover fish aquariums before spraying.
- In health care facilities, remove patients prior to treatment and thoroughly ventilate treated area for 2 hours before returning patients.
- Do not apply directly to or near water, storm drains or drainage ditches. Do not apply when windy. To prevent product run-off, do not over water the treated area(s) or apply when heavy rain is expected. Rinse applicator over lawn or garden area only.

Directions for Use, SPACE SPRAY (INDOORS) subsection comment(s), page 6 of 9:

- 22. Replace the existing subsection with: "Apply using a mechanical aerosol generator which creates particulates of aerosol size (80% of droplets less than 30 microns). Prior to treatment, open cabinets and doors, turn off air conditioners and fans, extinguish all flames and close doors and windows in the area to be treated. Disperse toward areas suspected of harboring the greatest insect infestations. 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 60 minutes. Open and thoroughly ventilate treated areas before reoccupying."

Directions for Use, CRACK AND CREVICE® TREATMENT subsection comment(s), page 6 of 9:

- 23. Replace the existing subsection with: "Use diluted or undiluted. Apply TC 263 as a Crack & Crevice treatment into cracks, crevices and void spaces where pests might be hiding, harboring, living and breeding (such as behind baseboards, sinks, cabinets, door frames and windows). Place injector tip into cracks, crevices, holes and other small (openings) areas. Apply at a rate of 1 ft/sec. For lighter infestations, move injector tip along cracks while treating at a rate of 3 ft/sec. For heavier infestations, move injector tip along cracks while treating at a rate of 1 ft/sec. Apply in such a manner that dripping and run-off on structural surfaces is minimized."⁵

⁵ Make sure that all referenced application rates listed in these subsections of the label are consistent.

Directions for Use, VOID INJECTION subsection comment(s), page 6 of 9:

- 24. Replace the existing subsection with: "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 5 to 10 seconds per 3 ft³. Apply to surfaces until moist, but in such a manner that dripping and run-off on structural surfaces is minimized."

Directions for Use, SPOT TREATMENT AND GENERAL SURFACE SPRAY subsection comment(s), page 6 of 9:

- 25. Replace the existing subsection with: "**SPOT TREATMENT:** Hold spray nozzle about 18-24" from area to be treated. Apply to surfaces until moist, but in such a manner that dripping and run-off on structural surfaces is minimized."

INDOOR TREATMENTS section, FLYING INSECTS subsection comment(s), page 6 of 9:

- 26. Replace the sentence starting with "Direct spray mist to all parts ..." with: "Close all windows and doors. Direct aerosol upward and disperse in all locations. Keep area closed for at least 60 minutes. Open and thoroughly ventilate treated area(s) before reoccupying."

INDOOR TREATMENTS section, CRAWLING INSECTS subsection comment(s), page 6 of 9:

- 27. Replace the 5th sentence with: "**CRACK & CREVICE TREATMENT AND VOID INJECTION:** Apply into cracks, 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."

INDOOR TREATMENTS section, STORED PRODUCT PESTS subsection comment(s), page 6 of 9:

- 28. Replace the sentence starting with "Direct treatment toward ..." with: "Direct aerosol upward and disperse in all locations. Keep area closed for at least 60 minutes. Open and thoroughly ventilate treated areas before reoccupying."

INDOOR TREATMENTS section, BED BUGS AND TICKS subsection comment(s), page 6 of 9:

- 29. Replace the sentence starting with "**SPOT TREATMENT:** Apply TC 263 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. Bed bugs may also harbor in areas of the room away from the bed."

INDOOR AND OUTDOOR TREATMENTS section, CRAWLING INSECTS subsection comment(s), page 6 of 9:

- 30. Replace the 3rd sentence with: "**CRACK & CREVICE TREATMENT AND VOID INJECTION:** Apply into cracks, 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."

Storage and Disposal section comment(s), page 8 of 9:

- 31. The subsection labeled as "**STORAGE:**" should be revised to read: "**PESTICIDE STORAGE:**"
- 32. In the subsection labeled as "**CONTAINER DISPOSAL: [*≤2.5 gallon container*],"** insert the words "**If empty:**" immediately preceding the 2nd sentence.

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Whitmire should note that a notice of availability of EPA's reregistration eligibility decision (RED) document for products containing pyrethrins was published in the *Federal Register* on July 26, 2006 (Volume 71, Number 143, Pages 42387-42389). In addition, EPA's RED for products containing piperonyl butoxide was published in the *Federal Register* on July 26, 2006 (Volume 71, Number 143, Pages 42385-42386). As a result, additional data and/or labeling changes may be required for products containing pyrethrins and piperonyl butoxide.

Data deficiencies were identified for storage stability and corrosion characteristics in the product chemistry review for this product. Therefore, Whitmire is obligated to submit a One Year Storage Stability (830.6317) study and a Corrosion Characteristics (830.6320) study on this product in support of this registration within one (1) year from the date of this registration.

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 FIFRA section 6(e). Your release for shipment of the product bearing amended labeling constitutes accepting of these conditions. A stamped copy of the label and hard copies of the efficacy and product chemistry reviews for this product are enclosed for your records. If you have any questions, please contact Mr. Carmen Rodia 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 (7505P)

Enclosures

000499-00511 D-379828

7/15

TC 263

[ALTERNATE BRAND NAME: Prescription Treatment® brand ULD® HydroPy-300® Formula 2
Descriptor: Pyrethrin Concentrate] (added via Notification 4/17/07)

*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, Cadellés, Cheese Mites, Cigarette Beetles, Cockroaches, Confused Flour Beetles, Crickets, Earwigs, Fruit Flies, Gnats, Grainy Weevils, House Flies, Indianmeal Moths, Mosquitoes, Rice Weevils, Spiders (excluding Black Widow and Brown Recluse) and Tobacco Moths

FOR USE IN AND AROUND:

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

See full label for additional insects and use sites.

ACTIVE INGREDIENTS:

Pyrethrins, a botanical insecticide	3.0%
Piperonyl butoxide, technical*	15.0%

OTHER INGREDIENTS:	82.0%
TOTAL: 100.0%	

* Equivalent to 12.0% (butylcarbityl)(6-propylpiperonyl) ether and 3.0% related compounds.

1 gallon contains 0.25 lb of pyrethrins

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

See back panel [full label] for First Aid, Precautionary Statements, Directions for Use and Storage & Disposal.

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

NET CONTENTS: _____



WHITMIRE MICRO-GEN
RESEARCH LABORATORIES, INC.
800-777-8570 www.wmmg.com

**ACCEPTED
with COMMENTS
in EPA Letter Dated
October 25, 2007**
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under EPA Reg. No.
499-511

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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 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. You may also call 1-800-225-3320 for emergency medical treatment information.

PRECAUTIONARY STATEMENTS**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

CAUTION: Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco.

ENVIRONMENTAL HAZARDS

This product is highly toxic to fish. Do not contaminate bodies of water when disposing of equipment rinse water or wash waters.

TERRESTRIAL USES: Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Drift from treated areas may be hazardous to organisms in adjacent aquatic sites. Do not contaminate water when disposing of equipment wash waters.

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.

USE RESTRICTIONS

- Apply this product only as specified on this label.
- Do not remain in treated area when applying as a space treatment. Ventilate area thoroughly before reentering.
- Do not allow children or pets to enter the treated area until it has been thoroughly ventilated.
- Do not apply directly to food.
- Remove or cover all food and water in the treatment area before use.
- Remove or cover dishes, utensils, food processing equipment and food preparation surfaces in the treatment area before use or wash them thoroughly after ventilation of treated area.
- Cover all food processing surfaces and equipment in the treatment area or wash with an effective cleaning compound followed by a potable water rinse after use of this product.
- Remove pets, birds, cover fish aquariums and turn off air pump motor before application.
- In health care facilities, remove patients prior to treatment and thoroughly ventilate treated area for 2 hr before returning patients.

SAFE HANDLING PROCEDURES

PERSONAL PROTECTIVE EQUIPMENT (PPE): Applicators, mixers and other handlers must wear: Long-sleeved shirt, long pants, socks, shoes, chemical-resistant gloves and protective eyewear.

DILUTION RATES

Follow rates for specific pests in mechanical sprayers which produce particles of aerosol size (80% of droplets less than 30 microns) or in pump sprayers or automated misting systems*. Use the higher rate for clean outs or high insect infestations. Dilute only with water.

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

* Do not dilute with spray oil.

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

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APPLICATION INSTRUCTIONS

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

CRACK & CREVICE TREATMENT: Use diluted or undiluted. Inject TC 263 into cracks and crevices or void spaces where insects may be harboring, living and breeding. Place injector tip into cracks, crevices, holes and other small openings. Release approximately 1 sec of product. For light infestations, move injector tip along cracks while treating at the rate of 3 ft/sec. For heavy infestations, move injector tip along at 1 ft/sec. Apply in such a manner to limit dripping and run-off on structural surfaces.

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

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

STORAGE AND DISPOSAL

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

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

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site in accordance with the label directions, or at an approved waste disposal facility.

CONTAINER DISPOSAL: [≤2.5 gallon container] Empty container by using the product in accordance with the label directions. Do not reuse this container! Place empty container in trash or offer for recycling if available. If container is partly filled, call your local solid waste agency for disposal instructions. NEVER PLACE UNUSED PRODUCT DOWN ANY INDOOR OR OUTDOOR DRAIN!

[>2.5 gallon container] Triple rinse (or equivalent). Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

A Prescription Treatment® brand insecticide from:
Whitmire Micro-Gen Research Laboratories, Inc.
3568 Tree Court Industrial Blvd.
St. Louis MO 63122-6682
www.wmmg.com

© 2007 Whitmire Micro-Gen Research Laboratories, Inc.

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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 (Harvester), Boxelder Bugs, Cadellés, Cheese Mites, Cigarette Beetles, Cockroaches, Confused Flour Beetles, Crickets, Earwigs, Fruit Flies, 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:

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

See page x for additional insects and use sites.

ACTIVE INGREDIENTS:

Pyrethrins, a botanical insecticide	3.0%
Piperonyl butoxide, technical*	15.0%

OTHER INGREDIENTS:	82.0%
	TOTAL: 100.0%

* Equivalent to 12.0% (butylcarbityl)(6-propylpiperonyl) ether and 3.0% related compounds.

1 gallon contains 0.25 lb of pyrethrins

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

See page x for First Aid, Precautionary Statements and Directions for Use. See page y for Storage & Disposal.

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

NET CONTENTS: _____



WHITMIRE MICRO-GEN
RESEARCH LABORATORIES, INC.
800-777-8570 www.wmmg.com

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 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. You may also call 1-800-225-3320 for emergency medical treatment information.

PRECAUTIONARY STATEMENTS**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

CAUTION: Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco.

ENVIRONMENTAL HAZARDS

This product is highly toxic to fish. Do not contaminate bodies of water when disposing of equipment rinsate or wash waters.

TERRESTRIAL USES: Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Drift from treated areas may be hazardous to organisms in adjacent aquatic sites. Do not contaminate water when disposing of equipment wash waters.

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.

USE RESTRICTIONS

- Apply this product only as specified on this label.
- Do not remain in treated area when applying as a space treatment. Ventilate area thoroughly before reentering.
- Do not allow children or pets to enter the treated area until it has been thoroughly ventilated.
- Do not apply directly to food.
- Remove or cover all food and water in the treatment area before use.
- Remove or cover dishes, utensils, food processing equipment and food preparation surfaces in the treatment area before use or wash them thoroughly after ventilation of treated area.
- Cover all food processing surfaces and equipment in the treatment area or wash with an effective cleaning compound followed by a potable water rinse after use of this product.
- Remove pets, birds, cover fish aquariums and turn off air pump motor before application.
- In health care facilities, remove patients prior to treatment and thoroughly ventilate treated area for 2 hr before returning patients.

SAFE HANDLING PROCEDURES

PERSONAL PROTECTIVE EQUIPMENT (PPE): Applicators, mixers and other handlers must wear: Long-sleeved shirt, long pants, socks, shoes, chemical-resistant gloves and protective eyewear.

DILUTION RATES

Follow rates for specific pests in mechanical sprayers which produce particles of aerosol size (80% of droplets less than 30 microns) or in pump sprayers or automated misting systems*. Use the 0.25% rate for maintenance. Use the higher rate for clean outs or high insect infestations. Dilute only with water.

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

* Do not dilute with spray oil.

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

APPLICATION INSTRUCTIONS

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

CRACK & CREVICE® TREATMENT: Use diluted or undiluted. Inject TC 263 into cracks and crevices or void spaces where insects may be harboring, living and breeding. Place injector tip into cracks, crevices, holes and other small openings. Release approximately 1 sec of product. For light infestations, move injector tip along cracks while treating at the rate of 3 ft/sec. For heavy infestations, move injector tip along at 1 ft/sec. Apply in such a manner to limit dripping and run-off on structural surfaces.

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

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

INDOOR TREATMENTS

FLYING INSECTS (such as Cluster Flies, Flies, Gnats, Mosquitoes, Moths, Small Flying Moths and Webbing Clothes Moths): Apply as a space spray or general surface spray. **SPACE SPRAY:** Apply at 0.125% - 3.0%, at the rate of 0.5 fl oz concentrate/1,000 ft³ of space. Direct spray mist to all parts of the room. ~~GENERAL SURFACE SPRAY: Apply at 0.125% - 1.0% and direct spray toward upper corners of room especially around windows and other light sources which attract these insects.~~

CRAWLING INSECTS [such as Ants (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)]: Apply as general surface spray, Crack & Crevice treatment or void injection. Apply at 0.25% - 1.0%. ~~GENERAL SURFACE SPRAY: Apply as a coarse, wet spray on walls, floors and other surfaces. Treat food storage areas, handling areas and unloading and processing areas.~~ **CRACK & CREVICE TREATMENT AND VOID INJECTION:** Apply to cracks and crevices or structural voids in these places as well as beneath sinks and inside and around the base of food conveying, processing and handling equipment. **SPACE SPRAY:** Apply at 0.5% - 3.0%, at the rate of 0.5 - 1.0 fl oz concentrate/1,000 ft³.

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 space spray or general surface spray. Clean all food preparation areas thoroughly after treatment and before food is exposed. Use only in areas where food is not exposed. **SPACE SPRAY:** Apply at 1% - 3%, at the rate of 0.5 - 1.0 fl oz concentrate/1,000 ft³ of space. Direct treatment toward upper corners of room and ceiling. ~~GENERAL SURFACE SPRAY: Apply at 0.25% - 1.0%. Direct output into corners and under pallets, hitting as many insects as possible.~~

BED BUGS AND TICKS: Apply as a space spray, spot treatment or Crack & Crevice treatment. Expose mattress and springs. **SPACE SPRAY:** Apply at 1% - 3%, at the rate of 0.5 - 1.0 fl oz concentrate/1,000 ft³ of space. **CRACK & CREVICE TREATMENT OR VOID INJECTION:** Apply at 0.25% - 0.50% to cracks and crevices or structural voids around baseboards, floorboards, bedboards and walls. **SPOT TREATMENT:** Take bed apart. Treat joints and channels if hollow, such as square or round tubing. See that the interior framework is treated. Treat mattresses, especially tufts, folds and edges. Cover mattresses with clean sheets before use. Also treat other areas where bed bugs may be harboring such as behind headboards, furniture, behind wall hangings and voids.

FLEAS: Apply as a ~~GENERAL SURFACE SPRAY~~ at 0.25% - 0.50%. Direct treatment onto pet resting areas and floor around these areas. Treat pet bedding the same way. Also treat entire inside surface of doghouses. Do not allow pets to contact treated areas until spray has dried. Remove or cover animal food before spraying. To control the source of flea infestations, pets inhabiting the treated premises should be treated with a product registered for application to pets. **SPACE SPRAY:** Apply at 0.25% - 1.0%.

DARKLING BEETLES: After emptying poultry houses, apply as a space spray or general surface spray. Keep closed for 1 hr. Ventilate for 24 hr before replacing poultry. **SPACE SPRAY:** Apply undiluted at the rate of 0.25 fl oz concentrate/1,000 ft³ of space. ~~GENERAL SURFACE SPRAY: Apply at 0.25% - 0.50%.~~

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 0.25% - 0.50%.

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)]: Apply as general surface spray, Crack & Crevice treatment or void injection at 0.25% - 0.50%. ~~GENERAL SURFACE SPRAY: Apply as a coarse, wet spray on walls, floors and other surfaces. Treat food storage areas, handling areas and unloading and processing areas.~~ **CRACK & CREVICE TREATMENT AND VOID INJECTION:** Apply to cracks and crevices or structural voids in these places as well as beneath sinks and inside and around the base of food conveying, processing and handling equipment. **SPACE SPRAY:** Apply at 0.5% - 3.0%, at the rate of 0.5 to 1.0 fl oz concentrate/1,000 ft³.

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OUTDOOR TREATMENTS

MOSQUITOES, FLIES AND GNATS: Dilute to 0.05% - 0.125% when applying with mechanical, electrical, fogging or automated misting[†] equipment, or when applying as a general surface spray. To control these pests in open areas near homes, buildings and in campgrounds, treat shrubbery, vegetation and other areas where these pests may rest. Structural surfaces, shrubbery and vegetation around stagnant pools, marshy areas, ponds and shorelines may be treated. Treatment of vegetation in water from land is also permitted by allowing wind to move product into vegetation, but application of this product directly to any body of water is prohibited.

URBAN MISTING SYSTEMS: Automatic spraying systems must not be programmed to release pesticide where people, pets, food or feed are directly exposed. A legible copy of the label must be securely attached to the equipment pesticide-holding container or on the outside of the equipment timer. Can be used 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
0.025% (1:108)	1 fl oz	64 fl oz
0.050% (1:54)	2 fl oz	128 fl oz
0.108% (1:27)	4 fl oz	256 fl oz

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

This product is designed for diluted use (0.05% - 0.25%) in sprayers. DO NOT DILUTE PRODUCT WITH SPRAY OIL. 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 spray 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, BUT NOT LIMITED TO:

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.

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STORAGE AND DISPOSAL

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

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

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site in accordance with the label directions, or at an approved waste disposal facility.

CONTAINER DISPOSAL: [≤ 2.5 gallon container] Empty container by using the product in accordance with the label directions. Do not reuse this container! Place empty container in trash or offer for recycling if available. If container is partly filled, call your local solid waste agency for disposal instructions. NEVER PLACE UNUSED PRODUCT DOWN ANY INDOOR OR OUTDOOR DRAIN!

[> 2.5 gallon container] Triple rinse (or equivalent). Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

In addition to sites listed on the front panel, TC 263 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
- Goat Houses
- 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
- 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 Plants
- Tobacco Warehouses
- Townhouses
- Trains
- Transportation Equipment
- Truck Trailers
- Trucks
- Utilities
- Utility Rooms
- Voids (Attics, Walls, Ceilings)
- Warehouses
- Wine Storage Warehouses
- Wineries
- Zoos

OUTDOORS:

- Campgrounds
- Corrals
- Drive-in Restaurants
- Drive-in Theaters
- Dumpsters
- Feedlots
- Garbage Dumps
- Golf Courses
- Junkyards
- Kennels
- Landscapes
- Lath Houses

COMPLETE (FULL) LABEL

v2:0 (6/1/07)

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Manure Piles
Parks
Plantscapes

Recreational Areas
Sewers
Swineyards

Zoos

TC 263 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
Face Flies
Flies
Fruit Flies
Fungus Gnats
Gnats
Horn Flies
Horse Flies
House Flies
Mosquitoes
Mushroom Flies
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
Centipedes
Chrysanthemum Leaf Miners
Cockroaches
Crickets
Earwigs
Fire Ants
Firebrats
Grasshoppers
Mealy Bugs
Millipedes
~~Palmtoe Bugs~~
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

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

A Prescription Treatment® brand insecticide from:

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