

499-544

07/07/2011

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U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (7505P)  
1200 Pennsylvania Ave., N.W.  
Washington, D.C. 20460

EPA Reg. Number:  
**499-544**

Date of Issuance:  
**JUL 7 2011**

NOTICE OF PESTICIDE:  
 Registration  
 Reregistration  
(under FIFRA, as amended)

Term of Issuance:  
**Conditional**

Name of Pesticide Product:  
**Whitmire Micro-Gen TC-307**

Name and Address of Registrant (include ZIP Code):  
**Whitmire Micro-Gen Research Laboratories, Inc.  
3568 Tree Court Industrial Boulevard  
St. Louis, MO 63122-6682**

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA).

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with section 3(c)(7)(A) of FIFRA provided that you:

- 1. Submit and/or cite all data required for registration of your product under section 3(c)(5) of FIFRA when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under section 4 of FIFRA.

(continued on page 2)

Signature of Approving Official:

Date:

Refer to Page #3.

**JUL 7 2011**

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

2. Make the following change to the label:

- a. Change the product registration number to "EPA Reg. No. 499-544"
- b. Make the following label revisions:

General Comments:

- 1. Delete all text throughout the label marked with "~~strikethrough~~."
- 2. The proposed alternate brand name "Pylon® TR," which is listed on the subject label, is acceptable.
- 3. The new pictograms for all total release fogger products are not finalized by the Agency as of the date of this Notice of Registration. Once the pictograms have been finalized, EPA will require you to submit a new label with the approved pictograms for review/approval.

Precautionary Statements, USER SAFETY RECOMMENDATIONS section comment(s), top of page 1 of 4:

- 4. Within the 3<sup>rd</sup> bulleted statement, revise the words "Remove personal..." to read "Remove clothing/personal..."

Directions for Use, USE RESTRICTIONS subsection comment(s), top of page 2 of 4:

- 5. Within the 5<sup>th</sup> bulleted statement, revise the words "12 hr" to read "12 hrs."

Directions for Use, TOTAL RELEASE FOGGER USE DIRECTIONS subsection comment(s), page 3 of 4:

- 6. In order to facilitate inclusion of required label language from the Agency's "Required Label Language for Indoor Total Release Fogger Products," dated March 23, 2010, you must make the following changes:
  - The 3<sup>rd</sup> sentence "This product does not control bed bugs." within the "**TO USE THIS PRODUCT CORRECTLY:**" subsection must be **bolded** in order to increase its prominence.
  - Revise the 2<sup>nd</sup> and 3<sup>rd</sup> sentences within the "**TO START FOGGING:**" subsection to read "Once the canister has been activated, place the canister in the plant-free zone, **vacate the treated greenhouse or fully enclosed garden center structure immediately**, and close the door. Do not use multiple canisters in a room/area." Please note that specific text within the revised 2<sup>nd</sup> sentence must be **bolded** in order to increase its prominence.
  - Within the "**AIRING OUT:**" subsection, revise the words "4 hr" to read "4 hrs."

Storage and Disposal Statement section comment(s), top of page 3 of 4:

- 7. Revise the "**PESTICIDE STORAGE:**" subsection to read "**PESTICIDE STORAGE:** Do not store below 32° F. Store in a cool, dry (preferably locked) area, away from heat or open flame, in an place that is inaccessible to children and animals."

Data Deficiencies:

- 8. Data deficiencies were identified for storage stability and corrosion characteristics data as part of the product chemistry review completed for this product. Therefore, Whitmire Micro-Gen Research Laboratories, Inc. 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.<sup>1</sup>

- 3. Submit two (2) copies of the final printed labeling, incorporating the above changes, before releasing the product for shipment.

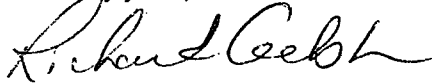
Should you wish to add/retain a reference to the company's website on your label, please be aware that the website becomes labeling under FIFRA and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under section 12(a)(1)(E) of FIFRA. 40 CFR section 156.10(a)(5) lists examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not be substantially differ from those claims approved through the registration process. Therefore, should the Agency find, or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA-approved registration, the website will be referred to EPA's Office of Enforcement and Compliance Assurance (OECA). As an alternative, you may refer consumers to the company's phone number or e-mail address.

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<sup>1</sup> For more detailed information, please refer to page 4 of 4 of the product chemistry review for this product.

A copy of your label stamped "Accepted with Comments" as well as hard copies of the efficacy, acute toxicity, product chemistry, HED and EFED reviews completed for this product are attached for your reference and file. If you have any questions, please contact Mr. Carmen J. Rodia, Jr. at (703) 306-0327 or via e-mail at [Rodia.Carmen@epa.gov](mailto:Rodia.Carmen@epa.gov).

Sincerely yours,



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

Enclosures:

- Copy of label stamped "Accepted with Comments"*
- Copy of acute toxicity review, dated March 22, 2011*
- Copy of product chemistry review, dated March 27, 2011*
- Copy of HED review, dated June 7, 2011*
- Copy of EFED review, dated January 31, 2011*
- Copy of revised EFED memo, dated May 17, 2011*

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Master Label  
[Text in this color may be print-restricted from marketplace label.]

v1.0.2 (6/16/11; dmt)

**TC-307**

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

*July 7, 2011*

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

*499-544*

[ALTERNATE BRAND NAME: Pylon® TR]

[Descriptor: Total Release Insecticide]

One 2 oz can treats up to 3,000 ft<sup>2</sup> (50,000 ft<sup>3</sup>)  
(40' x 125' x 10' ceiling)

**KILLS FUNGUS GNAT ADULTS, MITES & THRIPS**

For use only on Ornamental Crops and Fruiting Vegetables Grown in Commercial Greenhouses and fully enclosed Garden Centers

May be used on Bedding Plants, Cut Flowers, Flowering Hanging Baskets, Foliage, Fruiting Vegetables, Potted Flowering Plants and Ornamentals

**ACTIVE INGREDIENT:**

Chlorfenapyr ..... 4.5%

**OTHER INGREDIENTS:** ..... 95.5%

TOTAL: 100.0%

**KEEP OUT OF REACH OF CHILDREN**

**WARNING • AVISO**

Si Usted no entiende la etiqueta, busque a alguien para que se la explique a Usted en detalle.  
(If you do not understand the label, find someone to explain it to you in detail.)

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

[ALTERNATE TEXT: See inside booklet for First Aid, Precautionary Statements, Directions for Use and Storage and Disposal.]

NET WEIGHT: 2 oz

**FIRST AID**

**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**

**WARNING:** Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Wear protective eyewear (goggles, face shield or safety glasses). Breathing spray mist may be harmful. Avoid breathing vapors or spray mist. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

**USER SAFETY RECOMMENDATIONS**

Users should:

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

**PERSONAL PROTECTIVE EQUIPMENT**

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for Category B on an EPA chemical resistance category selection chart.

**APPLICATORS AND OTHER HANDLERS MUST WEAR:** Baseline PPE consisting of a long-sleeved shirt, long pants, chemical-resistant gloves such as barrier laminate and butyl rubber ≥14 mils, and shoes plus socks. Wear protective eyewear.

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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. Remove and wash contaminated clothing before reuse.

**PHYSICAL OR CHEMICAL HAZARDS**

**Flammable.** Contents under pressure. Keep away from heat, sparks and open flame. Do not puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting. This product contains a highly flammable ingredient. It may cause a fire or explosion if not used properly. Follow the "Directions for Use" very carefully.



**Highly Flammable Ingredient**  
**Ingrediente Altamente Inflamable**

**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.
- For indoor use only.
- **This product does not control bed bugs.**
- Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the treated area during application.
- Do not allow patrons of Garden Centers to enter the treated area for at least 12 hr following application. Thoroughly ventilate treated area before reoccupying.
- Do not use this product in greenhouses with unvented or defective gas heating systems or when open combustion exists.
- Do not proceed with application if plants are under stress, such as extreme temperatures and humidity created by tightly closed greenhouses.
- Do not apply more than 2 consecutive times before rotating to a chemical with a different mode of action. Refer to the **Resistance Management** section for additional use instructions.
- Do not apply to consecutive crops in a greenhouse structure unless applied in combination with other effective miticides/insecticides with a different mode of action.
- Do not contaminate food or feedstuffs.
- Do not compost any discarded plant materials that have been treated with this product.
- Do not use on tomato varieties with a diameter < 1" when mature.
- Do not apply more than 3 times during a crop growing cycle.
- Fruiting Vegetables: Allow at least 5 – 7 days between each application.

**AGRICULTURAL USE REQUIREMENTS**

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation.

Use this product only in accordance with its labeling and with the Worker Protection Standard (WPS), 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), restricted-entry interval (REI) and notification to workers (as applicable). The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas until after the REI of 12 hr (with no ventilation). Early entry to treated areas is permissible after 4 hr (per 40 CFR 170.112) to perform short-term activities, such as ventilation procedures, provided personal protective equipment is worn as specified below. Ventilate the treated areas per 40 CFR 170.110(c)(3) (i.e. 10 air exchanges are completed; or 2 hr of ventilation using fans or other mechanical ventilating systems; or 4 hr of ventilation using vents, windows or other passive ventilation). Upon completion of ventilation, regular activities are permitted while wearing PPE as specified below. The REI is equivalent to completion of ventilation (as described above) or 12 hr (with no ventilation) and no PPE is required after this time.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water is: coveralls, chemical resistant gloves (such as barrier laminate and butyl rubber ≥14 mils) and shoes plus socks.

Notify workers of the application by warning them orally and by posting warning signs outside all entrances to the greenhouse.

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[Text in this color may be print-restricted from marketplace label.]

**RESISTANCE MANAGEMENT:** Crop protection chemicals should always be used in resistance pest management programs that are suitable for the crop/pest complex involved. Any pest management program undertaken should coordinate different chemistry classes of insecticides in their spray schedules, thorough coverage of targeted crop/pest(s), use of proper chemical rates per label directions, monitoring pest populations, and other factors as conditions warrant. Consult your Cooperative Extension Service for suggestions on minimizing insect resistance. Chlorfenapyr belongs to the class of insecticides/miticides known as Pyrroles, IRAC Class 13. See additional resistance management suggestions under Use Restrictions.

**PHYTOTOXICITY NOTICE:** This product has been tested on a wide variety of plants and in our opinion has demonstrated excellent plant safety. However, not all varieties or strains of the plants listed have been tested. Therefore, before treating a large number of plants, treat a few plants and observe for plant damage and for performance prior to full scale application.

Phytotoxicity has been shown to occur with certain formulations of Chlorfenapyr in some varieties of: carnations, dianthus, kalanchoes, poinsettia, roses, salvia and zinnia. Applications to these species should only be made after testing.

Growers should collect a variety of sample plants, flowers, foliage or ornamentals of concern, place them in an empty greenhouse (or designated testing area) and activate one can of product per the Directions for Use.

**TO USE THIS PRODUCT CORRECTLY:** For best results, apply during early evening when foliage is dry and greenhouse temperature is between 60° – 80°F. Keep canister at room temperature (about 65°F). Apply product when pest (or plant damage typical of an indicated pest) is seen. This product does not control bed bugs. This 2 oz total release canister will dispense the entire contents of the can in about 2 min and will treat an area up to 3,000 ft<sup>2</sup> (50,000 ft<sup>3</sup>), that is, a room/area up to 40' x 125' x 10' ceiling.

Thorough coverage is achieved by the normal air movement within your greenhouse. The chemical will move around and throughout the plant foliage due to the small particle size produced, and the normal ebb and flow movement of the air. Both top and bottom of the plant foliage is covered with particles during application.

Do not use in small, enclosed spaces such as closets, cabinets or under counters or tables. Use of a fogger in an enclosed space may cause it to explode, resulting in injury to people or damage to property.

**BEFORE FOGGING:** Remove or cover exposed food. Shut off all exhaust fans and close all windows, doors and ventilators. Turn off all ignition sources such as pilot lights (shut off gas valves), other open flames or running electrical appliances that cycle off and on. Prepare a 3 ft plant-free zone in which to place canister. Elevate canister above the top of plants; common practice is to place the canister on a stool or overturned pot to elevate it to allow for unobstructed release. To treat hanging baskets, an empty basket can be used to hold the canister and elevate it to the hanging basket level. Low volume horizontal air flow may help optimize performance.

**TO START FOGGING:** Hold the canister away from you and depress the actuator until it is locked down. Once the canister has been activated, place the canister in the plant-free zone; vacate the structure immediately, and close the door. Do not use multiple canisters in a room/area 40' x 125' x 10' ceiling.

**AIRING OUT:** Use low volume horizontal air flow or have fans off for a minimum of 4 hr following activation of canister, or all night if possible, to thoroughly ventilate the treated area before reoccupying.

**FOR USE ON**

**Bedding plants (such as):** geraniums, garden mums, impatiens, marigolds and petunias

**Cut flowers (such as):** chrysanthemums, orchids and snapdragons

**Flowering hanging baskets (such as):** fuchsia, geraniums, New Guinea impatiens, lantana and ivy

**Foliage (such as):** dracaena, Boston fern, ficus, philodendron and schefflera

**Fruiting vegetables:** ground cherry, eggplant, pepinos, peppers, tomatillo and tomato

**Ornamentals (such as):** azalea, barberry, cotoneaster, euonymus, ilex, juniper, oak, pine, rhododendron, roses, spiraea, spruce, viburnum and yew

**Potted flowering plants (such as):** florist's azaleas, begonias, chrysanthemums, geraniums, hibiscus, lilies and African violets,

**STORAGE AND DISPOSAL**

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

**PESTICIDE STORAGE:** Store in a cool, dry place away from heat or open flame.

**PESTICIDE DISPOSAL:** Wastes resulting from use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Do not puncture or incinerate! **If empty:** Place in trash or offer for recycling if available. **If partly filled:** Contact your local solid waste agency for disposal instructions.

Contains no CFCs or other ozone depleting substances.  
Federal regulations prohibit CFC propellants in aerosols.



**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.

Manufactured for:  
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