

499-544

11/19/2012

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

NOV 19 2012

OFFICE OF
CHEMICAL SAFETY
AND POLLUTION PREVENTION

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

Subject: Amended Label
Whitmire Micro-Gen TC-307
EPA Registration Number: 499-544
Application Dated: May 10, 2012
Decision: 465340

Dear Ms. Hodge:

The label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable subject to the comment listed below. A stamped copy of the label is enclosed for your records.

The Agency identified the following data deficiencies for storage and corrosion characteristics data as part of the product chemistry review completed for this product in the Agency letter July 7, 2011. 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.

If you have any questions please, contact Melody Banks on 703 305 5413 or E-mail at banks.melody@epa.gov.

Sincerely,

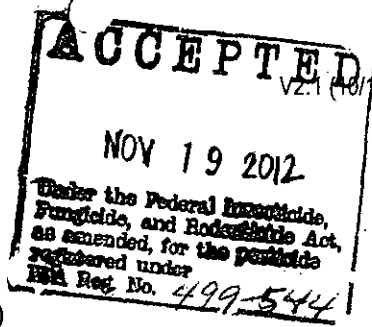
A handwritten signature in black ink, appearing to read "Richard Gebken".

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

Enclosure: Stamped Approved Label with Comment

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Master Label
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TC-307

[ALTERNATE BRAND NAME: Pylon® TR] {accepted w/NoPR 7/7/11}
[Descriptor: Total Release Miticide-Insecticide]

Treats up to 3,000 ft² (50,000 ft³)

KILLS MITES AND CATERPILLARS, SUPPRESSES THE IMMATURE STAGE OF FUNGUS GNAT AND THRIPS

For use only on Ornamental Crops and Fruiting Vegetables Grown in Commercial Greenhouses and fully enclosed Garden Centers. NOT for indoor, residential use (e.g., homes, apartments, mobile homes).

May be used on Greenhouse Ornamental Plants including: Bedding Plants, Cut Flowers, Evergreens, Flowering plants, Foliage Plants, Fruiting Vegetables, Containerized Plants, Ground Covers, Non-Bearing Fruit Trees, Non-Bearing Nut Trees, Non-Bearing Vines, Ornamental Trees and Shrubs

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. 499-544 • 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 hrs/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 clothing/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.

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.

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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" on this label 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.
- Not for Indoor Residential Use
- 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 hrs 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 hrs (with no ventilation). Early entry to treated areas is permissible after 4 hrs (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 hrs of ventilation using fans or other mechanical ventilating systems; or 4 hrs 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 hrs (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.

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

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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.

Sensitive Species: Phytotoxicity has been shown to occur with Pylon miticide-insecticide liquid formulation and Pylon TR Total Release miticide-insecticide on some varieties of carnations, dianthus, kalanchoes, poinsettia, roses, salvia and zinnia. If the grower, at his or her own risk chooses to use this product on any of these sensitive species, then testing plants species and varieties under the grower's condition is highly recommended prior to the use of this product as it is stated by BASF to have shown phytotoxic injury. Wait to observe plant response for at least 7-14 days after application in grower's phytotoxicity test, prior to using across an entire crop at your operation.

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.

Target Pest	Use Rate/ft ² of plant foliage	
	Low Rate	High Rate
Spider Mites , including: Two-Spotted Spider mite (<i>Tetranychus urticae</i> and other <i>Tetranychus</i> sp.) Broad mite (<i>Polyphagotarsonemus latus</i>) Citrus budmite (<i>Eriophyes pallidus</i>) Rust Mite (<i>Phyllocoptruta</i> sp., <i>Epirimerus</i> sp. and <i>Aculus</i> sp.)	1 can/3,000 ft² Repeat applications can be made at 7 day intervals.	2 cans/3,000 ft² Repeat applications can be made at 7 day intervals.
Caterpillars , including: immatures & adult stage of caterpillar such as Beet armyworm (<i>Spodoptera exigua</i>), Cabbage looper (<i>Trichoplusia ni</i>), and Soybean looper (<i>Pseudoplusia includens</i>). Pylon does not control egg mite stage.		
Thrips , including: immature stage of Chili Thrips (<i>Scirtothrips dorsalis</i> Hood) Western Flower thrips (<i>Frankliniella occidentalis</i>)		
Fungus Gnat , including: immature stage of Fungus Gnat (<i>Bradysia</i> sp.)		

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.

S/S

Master Label

V2.1 (10/19/2012; pah)

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

FOR USE ON

Greenhouse Ornamental Plants including: Bedding Plants, Cut Flowers, Evergreens, Flowering plants, Foliage Plants, Fruiting Vegetables, Containerized Plants, Ground Covers, Non-Bearing Fruit Trees, Non-Bearing Nut Trees, Non-Bearing Vines, Ornamental Trees and Shrubs

CROPS AND FRUITING VEGETABLES: Tomato, Tomatillo, Ground Cherry, Peppers, Eggplant and Pepinos

STORAGE AND DISPOSAL

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

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

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.

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