

499-534

8/11/2009

JACKET

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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:
499-534

Date of Issuance:
AUG 11 2009

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

Term of Issuance:
 Conditional

Name of Pesticide Product:
 TC 281

Name and Address of Registrant (include ZIP Code):

Whitmore Micro-Gen Research Laboratories, Inc.
 3568 Tree CT Industrial Blvd.
 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/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

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 FIFRA Sec. 3(c)(5) provided that you:

1. Submit and/or cite all data required for registration of your product under FIFRA Sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. Submit the following studies within 18 months of the date of this product registration with observations made at 0, 3, 6, 9, and 12 month intervals:
 - a. Storage stability – OPPTS 830.6317
 - b. Corrosion characteristics – OPPTS 830.6320
3. Make the following changes to the label:
 - a. Change the product registration number to “EPA Reg. No. 499-534”.

Signature of Approving Official:

Shaja B. Joyner
 Shaja B. Joyner, Product Manager (20)
 Fungicide Branch, Registration Division (7505P)

Date:

— **AUG 11 2009**

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- b. On page 1, delete the company website from the label. Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act 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 FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list 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 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 the EPA's Office of Enforcement and Compliance Assurance. As an alternative, you may refer consumers to the company's phone number or e-mail address.
- c. On page 2, under "APPLICATORS AND OTHER HANDLERS MUST WEAR," add the title, "USER SAFETY REQUIRMENTS" above the sentence that reads "Follow manufacturer's instructions for cleaning/maintaining PPE." Additionally, add the word "exist" after washables so that the sentence reads: If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry." Lastly, revise the "USER SAFETY REQUIREMENTS" into a separate paragraph below the "APPLICATORS AND OTHER HANDLERS MUST WEAR."
- d. On page 2, under the "DIRECTIONS FOR USE" add the following restriction: "Do not use on plants intended for food use."
- e. On page 2, in the "DIRECTIONS FOR USE" section, revise the second paragraph to read, "Contents of container must be at room temperature before use. Store containers at room temperature (above 65F) for 24 hours before application. Place the canister above the top of plants. Ensure that cans are placed so the spray is not obstructed by foliage or other physical objects in order to obtain maximum distribution of fog."
- f. On page 2, in the "AGRICULTURAL USE REQUIREMENTS" for Greenhouses permissible inhalation exposure level permitting reentry must be stated on the label. The Worker Protection Standard specifies a number a possible reentry requirements if no inhalation exposure level is listed on the labeling.

Keep workers out until after:

- 10 air exchanges, or
- 2 hours of ventilation using fans or other mechanical ventilating systems, or
- 4 hours of ventilation using vents, windows, or other passive ventilation, or
- 11 hours with no ventilation followed by 1 hours of mechanical ventilation, or
- 11 hours with no ventilation followed by 2 hours of passive ventilation, or
- 24 hours with no ventilation.

g. On page 3, update the "STORAGE AND DISPOSAL" in accordance with PR Notice 2007-4. For further guidance, visit www.epa.gov/oppfead1/labeling/lrm/chap-13.htm.

4. Submit one copy of the revised final printed label for the record before the product is released 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 constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Shaja B. Joyner
Product Manager (20)
Fungicide Branch
Registration Division (7505P)

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TC 281

Treats up to 4,500 ft²

FOR USE IN: Greenhouses (Commercial & Hobby) and Garden Centers

CONTROLS: Alternaria, Botrytis, Downy Mildew, Powdery Mildew, Rust

ACTIVE INGREDIENT:

Fludioxonil 6.5%

OTHER INGREDIENTS: 86.0%

TOTAL: 100.0%

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

KEEP OUT OF REACH OF CHILDREN

CAUTION

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

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

NET WEIGHT: _____



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

**ACCEPTED
with COMMENTS
In EPA Letter Dated
AUG 11 2009**

**Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.**

499-534

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

CAUTION: Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash 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.

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

APPLICATORS AND OTHER HANDLERS MUST WEAR: Baseline PPE consisting of a long-sleeved shirt, long pants and shoes plus socks. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

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.

Read and follow all label directions.

Control of target pests is best achieved before populations reach economically damaging levels. Use of an alternative class of chemistry in a continuing treatment program is recommended to prevent or delay pest resistance.

Contents of container must be at room temperature before use. Store containers at room temperature (above 65°F) for 24 hr before application. Place the cans so the spray is not obstructed by foliage or other physical objects in order to obtain maximum distribution of fog.

NOTICE: Good greenhouse management must overrule the use of this product when any conditions might be created by tightly closing greenhouses that would harm plant foliage or flowers. Example: Creation of high temperatures or humidity conditions. Do not use this product in greenhouses with unvented or defective gas heating systems or when open combustion exists.

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 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 PPE. The requirements in this box only apply to uses of this product that are covered by the WPS.

Do not enter or allow worker entry into treated areas during restricted entry interval (REI) of 12 hr.

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 (made of any waterproof material) and shoes plus socks.

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

PREAPPLICATION DIRECTIONS: For best results apply during early evening when foliage is dry and temperature is between 60°F – 80°F. At lower or higher temperatures crop injury may result, so prior to a full scale application, spray a few plants and observe for plant damage and performance. Shut off all exhaust fans and close all windows, doors and vents. Do not place cans within 10 horizontal feet of any ignition source such as pilot lights, other open flames, or running electrical appliances that cycle off and on. Prepare a 3 ft plant free zone in which to place canister(s). Canister(s) should be elevated above the top of plants; common practice is to place the canister(s) on a

stool or overturned pot to elevate it. Place cans evenly throughout the area to be treated, positioned to allow uninhibited release. To treat hanging baskets, an empty basket can be used to hold the canister and elevate it to the hanging basket level.

TOTAL RELEASE DOSAGE

FRAC Code: 12

Limit the use of TC 281 to 4 applications per crop cycle.

The total release canister will dispense the entire contents of the can in about 2 min. 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 fog produced and the normal ebb and flow movement of the air. Both top and bottom of the plant foliage is covered with particles.

Use one 6 oz can/4,500 ft². Initially, make 2 applications at 7 day intervals. With high disease pressure, 1 can/1,500 ft² may be used. Wait at least one treatment cycle where a different class of chemistry is used before using TC 281 again.

TO ACTIVATE CANS: Hold the canister away from you and depress the actuator until it is locked down. Place the canister in the plant free zone and leave the treatment area. If activating more than 1 canister in the treatment area, start at the far end of the area, opposite from the exit door, activating and placing cans as you move across the area until you have reached the exit door.

Once activation is completed, leave the treatment area and close the door. Use low volume horizontal air flow or have fans off for a minimum of 4 hr or all night, if possible.

Start the REI clock. This product has an REI of 12 hr for agricultural use per the WPS (refer to the Agricultural Use Requirements section for details). Reentering a treated area prior to the REI expiration time is not advised, but is permissible. To reenter the treated area after 4 hr, you must wear protective equipment as outlined under the Agricultural Use Requirements.

Once the REI has passed, reenter the treated area, air it out and the treatment is complete.

FOR USE ON

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

Cut flowers (such as): carnations, chrysanthemums, orchids and roses

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

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

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

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

Perennials (such as): heuchera, monarda, rudbeckia and veronica

PLANT SAFETY INFORMATION: 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. Unintentional consequences such as crop injury or ineffectiveness may result because of certain environmental or growing conditions, manner of use or application, and insect resistance. Therefore, before treating a large number of plants, spray a few plants and observe for plant damage and for performance prior to full scale application. Do not use on *Matthida incanae* (stock) or hydrangea plants.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in a cool, dry area 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! Empty container by using the product in accordance with the label directions. Offer empty container for recycling, if available, or place in trash if allowed by state and local regulations. If container is partly full, contact your local solid waste agency for disposal instructions.

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



A Prescription Treatment® brand product from:

Whitmire Micro-Gen Research Laboratories, Inc.

3568 Tree Court Industrial Blvd.

St. Louis, MO 63122-6682

www.wmmg.com

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