



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

March 27, 2017

Jennifer M. Herzog  
Product Registration Specialist  
Regulatory Affairs  
BASF Corp  
26 Davis Drive  
Research Triangle Park, NC 27709-3528

Subject: Label Amendment – Revising label language to be consistent with other BASF total release products  
Product Name: TC 279  
EPA Registration Number: 499-533  
Application Date: 12/12/2016  
Decision Number: 524659

Dear Ms. Herzog:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. The next label printing of this product must use this labeling unless subsequent changes have been approved. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

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.

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Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, please contact Marianne Lewis by phone at (703) 308-8043 or via email at [lewis.marianne@epa.gov](mailto:lewis.marianne@epa.gov).

Sincerely,

A handwritten signature in black ink that reads "Elyssa Arnold". The signature is written in a cursive style.

Elyssa Arnold, Acting Product Manager 01  
Invertebrate & Vertebrate Branch 3  
Registration Division (7505P)  
Office of Pesticide Programs

Enclosure

{Note to PM: Italicized text enclosed in “{ }” is information for the reviewer and not part of the label.  
[Bracketed information is optional text.] Text within brackets and separated by “/” denotes and/or options.}

**Group 10B Insecticide**

# TC 279

**Alternate Brand Names:**

Beethoven® TR (with descriptor: Total Release Miticide/Insecticide) *{submitted via Notification 5/16/2013}*

Beethoven® TR (with descriptor: Miticide/Insecticide) *{added via Notification 1/5/2010}*

**One Can Treats Up To 3,000 square feet (50,000 cubic feet)**

**For Use on Ornamentals in Commercial Greenhouses**

**Kills Mites and Suppresses Whiteflies**

**Active Ingredient:**

Etoxazole ..... 5.0%

**Other Ingredients:** ..... 95.0%

**Total:** ..... 100.0%

**EPA Reg. No. 499-533**

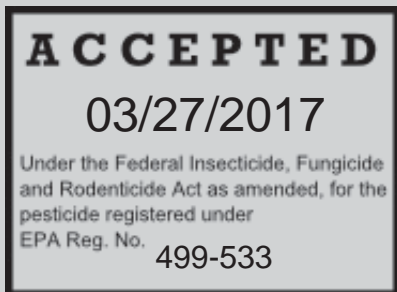
**EPA Est. No.**

## KEEP OUT OF REACH OF CHILDREN CAUTION/PRECAUCION

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.)

Refer to full label for **First Aid, Precautionary Statements, Directions For Use, Conditions of Sale and Warranty**, and state-specific use site restrictions.

**In case of an emergency endangering life or property involving this product, call day or night 1-800-832-HELP (4357).**



**Net Contents:**

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<b>FIRST AID</b>	
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes; then continue rinsing eyes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>HOTLINE NUMBER</b>	
Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact BASF Corporation for emergency medical treatment information: 1-800-832-HELP (4357).	

## **PRECAUTIONARY STATEMENTS**

### **Hazards to Humans and Domestic Animals**

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

<b>USER SAFETY RECOMMENDATIONS</b>
<p><b>Users should:</b></p> <ul style="list-style-type: none"> <li>• Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.</li> <li>• Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.</li> <li>• 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.</li> </ul>

### **Personal Protective Equipment (PPE)**

#### **Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Socks and shoes

### **User Safety Requirements**

Follow manufacturer’s instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

### **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.

## **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 an alternative class of chemistry in a continuing treatment program to prevent or delay pest resistance.

### **Use Restrictions**

- **DO NOT** apply more than once per day.
- **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 but not limited to, extreme temperatures and humidity created by tightly closed greenhouses.
- **DO NOT** use on crops grown for food or feed.
- **DO NOT** make more than 2 applications per crop cycle or within a 6 month period of time.



Highly Flammable Ingredient  
 Ingrediente Altamente Inflamable

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## 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 during the restricted-entry interval (REI) of 24 hours with no ventilation. Early entry to treated areas is permissible after 4 hours (per 40 CFR 170.112) to perform short-term activities, such as ventilation procedures, provided personal protective-equipment is worn. Alternatively, you may ventilate the treated areas after four hours per 40 CFR 170.110(c)(3) until after:

- 10 air exchanges are completed; or
- 4 hours of ventilation using vents, windows or other passive ventilation; or
- 2 hours of ventilation using fans or other mechanical ventilating systems.

Using one of these ventilation methods is equivalent to the REI of 24 hours 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 (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.

## 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. If these wastes cannot be disposed of according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representatives at the nearest EPA Regional office for guidance.

### Container Disposal

**DO NOT** puncture or incinerate! **If empty:** Place in trash or offer for recycling if available. **If partly filled:** Call your local solid waste agency for disposal instructions.

## In Case of Emergency

In case of large-scale spill of this product, call:

- CHEMTREC 1-800-424-9300
- BASF Corporation 1-800-832-HELP (4357)

In case of medical emergency regarding this product, call:

- Your local doctor for immediate treatment
- Your local poison control center (hospital)
- BASF Corporation 1-800-832-HELP (4357)

## Application Information

### Use Sites

#### Ornamental crops in commercial greenhouses including:

- Bedding plants
- Cut flowers
- Flowering hanging baskets
- Foliage
- Potted flowering plants
- Ornamentals

### Mode of Action

The active ingredient in this product, etoxazole, is a member of the class of miticides-insecticides known as mite growth inhibitors (**Group 10B**).

### Resistance Management

This product's active ingredient causes growth regulation in target pest species, and is characterized by the Insecticide Resistance Action Committee (IRAC) under **Group 10B**. Multiple uses of a miticide or insecticide with a single given mode of action can result in the development of resistance.

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**DO NOT** make more than two (2) consecutive applications of this product before rotating to a chemical with a different mode of action.

Crop protection chemicals should always be used in integrated 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 schedule, thorough coverage of targeted crop/pest(s), use proper chemical rates per label directions, monitoring pest populations and other factors as conditions warrant. Consult your Cooperative Extension Service or BASF sales representative for suggestions on minimizing insect resistance.

### **Preapplication Directions**

Apply this product when pest or damage typical of indicated pest is observed. Apply when foliage is dry and greenhouse temperature is between 60°F and 80°F. Keep container at room temperature (about 65°F). Prior to a full scale application, run a small scale test and observe for plant damage and performance. 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 foot plant free zone in which to place the container(s). Elevate the container(s) so that the top of the container is above the top of the plants. Make sure spray is unobstructed by foliage or other physical objects in order to obtain maximum distribution of fog. Common practice is to place the container(s) on a stool or overturned pot to elevate it and allow for unobstructed release. Place containers evenly throughout the area to be treated. To treat hanging baskets, an empty basket can be used to hold the container and elevate it to the hanging basket level. Low volume horizontal airflow may help optimize performance. See **Plant Safety Information** for more details.

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### **Total Release Dosage**

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The total release container will dispense the entire contents of the can in approximately 2 minutes. Thorough coverage is achieved by normal air circulation within the greenhouse. Due to the small particle size produced and normal air movement, both the top and bottom surfaces of the plant leaves will be exposed to the product.

**Use one 2 ounce container/3,000 square feet (50,000 cubic feet).** For greenhouses with tough to control insects or hanging baskets, 2 containers per 3,000 square feet is permissible. For smaller greenhouse spaces, use one container per 1,500 square feet (12,000 to 25,000 cubic feet).

### **To Activate Containers**

Hold the canister facing a way from the body and depress the actuator until it is locked down. Place the container in the plant-free zone and quickly leave the treatment area. If activating more than one container in the treatment area, begin at the end farthest from the door, and place cans as the applicator moves towards the exit door.

Once all cans have been activated, immediately leave the treatment area and close the door.

### **Plant Safety Information**

The phytotoxic potential of this product has been assessed on a wide variety of common ornamental plants with no phytotoxicity observed. Not all plant species, varieties, and cultivars have been tested for tolerance to this product, or pesticide treatments preceding or following those of this product.

Local conditions can also influence plant tolerance and may not match those under which BASF has conducted testing. Test the product on a sample of the plants to be treated to ensure that a phytotoxic response will not occur prior to large-scale use. Because many cultivars within a plant species vary in tolerance to chemical applications and growing conditions, the grower must recognize these differences and test the product accordingly. At a minimum, always test a small group of representative plants for tolerance to this product under local growing conditions and before large-scale use.

Grower assumes responsibility for testing species suitability under local growing conditions by treating a small number of plants at the specified rate. At a minimum, this should include evaluating treated plants for several weeks following treatment for possible injury or other effects. To the extent consistent with applicable law, by applying this product, the user assumes responsibility for any crop damage or other liability associated with factors beyond the manufacturer's control, such as weather, presence of other materials, and manner or use of application. Follow all restrictions and limitations in this label.

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### Conditions of Sale and Warranty

The **Directions For Use** of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and must be followed carefully. However, it is impossible to eliminate all risks inherently associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as environmental conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of BASF CORPORATION (“BASF”) or the Seller. To the extent consistent with applicable law, all such risks shall be assumed by the Buyer. BASF 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) BASF MAKES NO OTHER WARRANTIES EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF FITNESS FOR PARTICULAR PURPOSE OR MERCHANTABILITY, (B) BUYER’S EXCLUSIVE REMEDY AND BASF’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) BASF AND THE SELLER DISCLAIM ANY LIABILITY FOR CONSEQUENTIAL, INCIDENTAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.** BASF and the Seller offer this product, and the Buyer and User accept 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 BASF.

PCS915

*Beethoven* is a registered trademark of BASF.

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



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BASF Corporation  
26 Davis Drive  
Research Triangle Park, NC 27709

  
We create chemistry