



U.S. ENVIRONMENTAL PROTECTION AGENCY

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

EPA Reg. Number:
91234-67

Date of Issuance:
4/26/2018

NOTICE OF PESTICIDE:

Registration
 Reregistration
(under FIFRA, as amended)

Term of Issuance:
Conditional

Name of Pesticide Product:
A221.03

Name and Address of Registrant (include ZIP Code):

Dave Bolin
Director, Regulatory Affairs
5000 CentreGreen Way, Suite 100
Cary, NC 27513

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.

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 section 3(c)(7)(A). You must comply with the following conditions:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product under FIFRA when the Agency requires all registrants of similar products to submit such data.

Signature of Approving Official:

Venus Eagle, Product Manager 01
Invertebrate and Vertebrate Branch 3, Registration Division (7505P)

Date:

4/26/2018

2. You are required to comply with the data requirements described in the DCI identified below:

a. Etoxazole GDCI-107091

You must comply with all of the data requirements within the established deadlines. If you have questions about the Generic DCI listed above, you may contact the Chemical Review Manager in the Pesticide Reevaluation Division: <http://iaspub.epa.gov/apex/pesticides/f?p=chemicalsearch:1>

3. The data requirements for storage stability and corrosion characteristics (Guidelines 830.6317 and 830.6320) are not satisfied. A one year study is required to satisfy these data requirements. You have 18 months from the date of registration to provide these data.

4. Make the following label changes before you release the product for shipment:

- Revise the EPA Registration Number to read, "EPA Reg. No. 91234-67."

5. Submit one copy of the final printed label for the record before you release the product for shipment.

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.

If you fail to satisfy these data requirements, EPA will consider appropriate regulatory action including, among other things, cancellation under 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. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated 11/30/2017

If you have any questions, please contact Marianne Lewis by phone at (703) 308-8043, or via email at lewis.marianne@epa.gov.

Enclosure

[Note to reviewer: [Text] in brackets denotes optional or explanatory language
[Note to reviewer: {Text} in braces denotes where in the final label text will appear
{BOOKLET FRONT PANEL LANGUAGE}

ETOXAZOLE	GROUP	10B	INSECTICIDE
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A221.03 [™]

For Use on Ornamentals in Commercial Greenhouses
[Kills Mites and Suppresses Whiteflies]
[One Can Treats up to 3,000 Square Feet (50,000 Cubic Feet)]
[Alternate Brand Name: Eschaton TR]

Active Ingredient:	(% by weight)
Etoxazole.....	5.0%
Other Ingredients:	95.0%
Total	100.0%

Contains etoxazole, the active ingredient used in Beethoven TR.

KEEP OUT OF REACH OF CHILDREN CAUTION

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.)

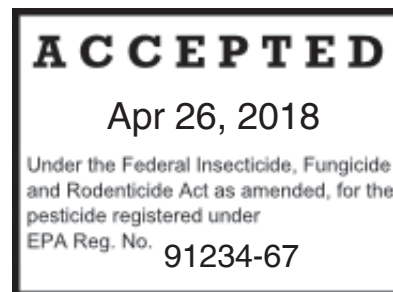
See inside label booklet for First Aid, Precautionary Statements and Directions for Use.

EPA Reg. No.: 91234-XX

EPA Est. No.:

Net Weight:

Manufactured For:
Atticus, LLC
5000 CentreGreen Way, Suite 100
Cary, NC 27513



A221.03 is not manufactured, or distributed by BASF Corporation, seller of Beethoven TR.

{LANGUAGE INSIDE BOOKLET}

FIRST AID	
If in eyes	<ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.• Call a poison control center or doctor for treatment advice.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-424-9300 for emergency medical treatment information.	

For Chemical Emergency
Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC Day or Night
Within USA and Canada: 1-800-424-9300 or +1 703-527-3887 (collect calls accepted)

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

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

PERSONAL PROTECTIVE EQUIPMENT (PPE):

Applicators and other handlers must wear:

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

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.

USER SAFETY RECOMMENDATIONS
Users should: <ul style="list-style-type: none">• 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.

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.

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

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

AGRICULTURAL USE REQUIREMENTS

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),
- Shoes plus socks.

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

APPLICATION INFORMATION

Use Sites:

Non-Food application in commercial greenhouses including:

- Bedding plants
- Cut flowers
- Flowering hanging baskets
- Foliage
- Potted flowering plants
- Ornamentals
- Other Non-Food applications

Mode of Action:

The active ingredient in this product, etoxazole, is a member of the class of insecticides known as pyrroles (Group 10B). This product is introduced to the insect by contact and feeding activity.

For resistance-management, A221.03 contains a Group 10B insecticide. Any insect population may contain individuals naturally resistant to A221.03 and other Group 10B insecticides. The resistant individuals may dominate the insect population if this group of insecticides are used repeatedly in the same fields. Appropriate resistance management strategies should be followed. To reduce the potential for developing insect resistance, rotate to an insecticide with a different mode of action. Monitor treated pest populations for resistance development. Read product label before applying any insecticide and follow label directions.

To delay insecticide resistance, take the following steps:

- Rotate the use of A221.03 or other Group 10B insecticides within a growing season, or among growing seasons, with different groups that control the same pests. Avoid application of more than the maximum seasonal use rate or the total number of consecutive sprays of A221.03 per season.
- Use insecticides from a different group that are equally effective on the target pest when such use is permitted. Do not rely on the same mixture repeatedly for the same pest population. Consider any known cross-resistance issues (for the targeted pests) between the individual components of a mixture. In addition, consider the following recommendations provided by the Insecticide Resistance Action Committee (IRAC):
 - Individual insecticides selected for use in mixtures should be highly effective and be applied at the rates at which they are individually registered for use against the target species.
 - Mixtures with components having the same IRAC mode of action classification are not recommended for insect resistance management.
 - When using mixtures, consider any known cross-resistance issues between the individual components for the targeted pest(s).
 - Mixtures become less effective if resistance is already developing to one or both active ingredients, but they may still provide pest management benefits.
 - The insect resistance management benefits of an insecticide mixture are greatest if the two components have similar periods of residual insecticidal activity. Mixtures of insecticides with unequal periods of residual insecticide activity may offer an insect resistance management benefit only for the period where both insecticides are active.
- Adopt an integrated pest management program for insecticide/acaricides use that includes scouting, uses historical information related to pesticide use, crop rotation, record keeping, and which considers

cultural, biological and other chemical control practices.

- Monitor after application for unexpected target pest survival. If the level of survival suggests the presence of resistance, consult with your local university specialist or certified pest control advisor.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance management and/or IPM recommendations for the specific site and pest problems in your area.
- For further information or to report suspected resistance contact Atticus, LLC representatives at atticusllc.com.

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.

TOTAL RELEASE DOSAGE

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 away 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 this product has been tested. 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.

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.

LIMITATION OF WARRANTY AND LIABILITY

IMPORTANT: READ BEFORE USE. Read the entire Directions for Use, Conditions of Warranties and Limitations of Liability before using this product. If these terms and conditions are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following Disclaimer of Warranties and Limitations of Liability. **CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Ineffectiveness, injury, and other unintended consequences may result because of such factors as manner of use or application (including misuse), the presence of other materials, weather conditions, and other unknown factors, all of which are beyond the control of ATTICUS, LLC. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, ATTICUS, LLC makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond statements on this label. **LIMITATIONS OF LIABILITY:** To the extent consistent with applicable law, neither ATTICUS, LLC the manufacturer, nor the Seller shall be liable for any indirect, special, incidental or consequential damages resulting from the use, handling, application, storage, or disposal of this product. To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use, handling, application, or storage of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid.

A221.03 is a trademark of Atticus, LLC

Beethoven is a registered trademark of BASF Corporation.

{LANGUAGE ON LABEL AFFIXED TO CONTAINER}

A221.03™

For Use on Ornamentals in Commercial Greenhouses

[Kills Mites and Suppresses Whiteflies]

[One Can Treats up to 3,000 Square Feet (50,000 Cubic Feet)]

[Alternate Brand Name: Eschaton TR]

Active Ingredient:	(% by weight)
Etoxazole.....	5.0%
Other Ingredients	95.0%
Total	100.0%

KEEP OUT OF REACH OF CHILDREN

CAUTION

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.)

FIRST AID	
If in eyes	<ul style="list-style-type: none"> ● Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. ● Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. ● Call a poison control center or doctor for treatment advice.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact SafetyCall at 1-844-685-9173 for emergency medical treatment information.	

For Chemical Emergency

Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC Day or Night

Within USA and Canada: 1-800-424-9300 or +1 703-527-3887 (collect calls accepted)

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

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

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

STORAGE AND DISPOSAL

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See inside label booklet for additional Precautionary Statements and Directions for Use.

Manufactured for:

Atticus, LLC
5000 CentreGreen Way, Suite 100
Cary, NC 27513

EPA Reg. No. 91234-XX

EPA Est. No. _____

NET WEIGHT: _____