

# ASCERTAIN<sup>TM</sup> TR

Contains bifenthrin, the active ingredient used in Attain<sup>®</sup> TR Micro Total Release Insecticide.



**For Use Only on Ornamentals in Commercial Greenhouses ▪ One Can Treats Up to 3,000 square feet (50,000 cubic feet) ▪ NOT FOR USE IN AND AROUND RESIDENTIAL AREAS**  
▪ Kills Aphids, Armyworms, Bagworms, Caterpillars, Fungus Gnats, Mealybugs, Mites, Omnivorous Leafrollers, Plant Bugs, Scale, Thrips and Whiteflies

<b>ACTIVE INGREDIENT:</b>	<b>(% by weight)</b>
Bifenthrin .....	4.0%
<b>OTHER INGREDIENTS:</b> .....	<u>96.0%</u>
<b>TOTAL:</b> .....	<u>100.0%</u>
EPA Reg. No.: 91234-70	

## 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.)

SEE BELOW FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

### FIRST AID

**If in eyes:** ▪ 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 eyes. ▪ Call a poison control center or doctor for treatment advice. **If swallowed:** ▪ Call a poison control center or doctor immediately for treatment advice. ▪ Have person sip a glass of water if able to swallow. ▪ Do not induce vomiting unless told to do so by the poison control center or doctor. ▪ Do not give anything by mouth to an unconscious person. **If inhaled:** ▪ Move person to fresh air. ▪ If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. ▪ Call a poison control center or doctor for treatment advice. **If on skin or clothing:** ▪ Take off contaminated clothing. ▪ Rinse skin immediately with plenty of water for 15 to 20 minutes. ▪ 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)**

Ascertain<sup>TM</sup> TR is not manufactured, or distributed by BASF Corporation, seller of Attain<sup>®</sup> TR Micro Total Release Insecticide.



Manufactured for:  
**Atticus, LLC**  
940 NW Cary Parkway, Suite 200  
Cary, NC 27513

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

**WARNING/AVISO**

Causes substantial but temporary eye injury. **DO NOT** get in eyes or on clothing. Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes, or clothing. Wear goggles, face shield or safety glasses. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

**PERSONAL PROTECTIVE EQUIPMENT (PPE):**

Applicators and other handlers must wear:

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

Follow the manufacturer's instructions for cleaning and 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:

- 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 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**

**Extremely Flammable.** Contents under pressure. Keep away from fire, sparks, and heated surfaces. **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.

**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.

*(continued)*

**AGRICULTURAL USE REQUIREMENTS (continued)**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 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), notification to workers, and restricted-entry interval. 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 12 hours.

After the 12 hour REI, you must ventilate the treated per 40 CFR 170.405(b)(3) with one of the following ways:

- (i) Ten air exchanges are completed.
- (ii) Two hours of ventilation using fans or other mechanical ventilating systems.
- (iii) Four hours of ventilation using vents, windows, or other passive ventilation.
- (iv) Eleven hours with no ventilation followed by one hour of mechanical ventilation.
- (v) Eleven hours with no ventilation followed by two hours of passive ventilation.
- (vi) Twenty-four hours with no ventilation.

For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

Control of target insects is best achieved before populations reach economically damaging levels. Repeat application as necessary to achieve control using listed higher rates (see **TOTAL RELEASE DOSAGE** for maximum rates) as pest pressure and foliage area increase.

Use of an alternative class of chemistry in a continuing treatment program is recommended to prevent or delay pest resistance.

**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.

**Use Restrictions:**

- **DO NOT** use on crops grown for food or feed.
- **ONLY** for use in commercial greenhouses on ornamentals.
- **DO NOT** apply this product more than twelve (12) times during a crop growing cycle.
- **DO NOT** use this product in greenhouses with unvented or defective gas heating systems or when open combustion exists.
- Remove all people and pets prior to application.
- **DO NOT** make more than two (2) consecutive applications of this product before rotating to a chemical with a different mode of action.
- **DO NOT** make sequential applications to crops unless applied in combination with other effective insecticides with a different mode of action.
- **DO NOT** reapply product within 48 hours of a previous application.
- **DO NOT** use in small, enclosed spaces such as closets, cabinets or under counters or tables. Use of a Total Release container in an enclosed space may cause it to explode, resulting in injury to people or damage to property.
- **DO NOT** place within 10 horizontal feet of any ignition sources such as pilot lights (shut off gas valves), other open flames or running electrical appliances that cycle off and on.
- **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.

## APPLICATION INFORMATION

### Use Sites:

Non-Food application in commercial greenhouses:

- Bedding plants
- Containerized plants
- Cut flowers
- Evergreens\*
- Flowers/Flowering plants
- Foliage plants
- Ground covers\*
- Non-bearing fruit and nut trees and vines
- Ornamental trees and shrubs

\*Not for Use in California

### Mode of Action:

The active ingredient in this product, bifenthrin, is a member of the class of insecticides known as pyrethroids (**Group 3A**). This product is effectively introduced to the insect by contact and feeding activity.

### Resistance Management:

For resistance management, **Ascertain TR** contains a Group 3A insecticide. Any insect population may contain individuals naturally resistant to **Ascertain TR** and other Group 3A insecticides. The resistant individuals may dominate the insect population if this group of insecticides are used repeatedly in the same greenhouse. Appropriate resistance-management strategies should be followed.

To delay insecticide resistance, take the following steps:

- Rotate the use of **Ascertain TR** or other Group 3A insecticides within a growing season, or among growing seasons, with different groups that control the same pests. **DO NOT** make more than two (2) consecutive applications of this product before rotating to a chemical with a different mode of action.
- **DO NOT** make sequential applications to crops unless applied in combination with other effective insecticides with a different mode of action.
- **DO NOT** reapply product within 48 hours of a previous application.
- Adopt an integrated pest management program for insecticide 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 suggest 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.

Report any incidence of non-performance of this product against a particular insect species to you Atticus, LLC representative. If resistance is suspected, treat resistant insects with an insecticide having a different mode of action or use non-chemical means to remove insects, as practical.

### Preapplication Directions:

Apply this product when pest or damage typical of indicated pest is observed. Shut off all exhaust fans and close all windows, doors and ventilators. **DO NOT** place within 10 horizontal feet of any 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 container. Elevate the container so that the top of the can is above the top of the plant canopy. Make sure the spray is unobstructed by foliage or other physical objects in order to obtain maximum distribution of product. Common practice is to place the container 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 container and elevate it to the hanging basket level. Low volume horizontal

air flow may help optimize performance. Apply when foliage is dry and greenhouse temperature is between 60°F to 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. See **Plant Safety Information** for more details.

All human and animal occupants of the greenhouse must be removed before treatment. Greenhouse must be ventilated according to the requirements of the Worker Protection Standard before reentry.

### TOTAL RELEASE DOSAGE

Thorough coverage is achieved by the normal air movement within a 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 Total Release container in an enclosed space may cause it to explode, resulting in injury to people or damage to property.

Use one 2 ounce container per 3,000 square feet (50,000 cubic feet). For greenhouses with tough to control insects, 2 containers per 3,000 square feet (50,000 cubic feet) is permissible. For smaller greenhouse spaces (less than 3,000 square feet), use one container. Depending on the severity of the insect infestation, the product can be applied 1 to 2 times per week.

### To Activate Containers:

Hold the container 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 containers as the applicator moves towards the exit door.

Once all containers 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 original container in a dry storage area out of reach of children and animals.

**PESTICIDE DISPOSAL:** Wastes resulting from the 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 HANDLING: DO NOT** puncture or incinerate! **If empty:** 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.

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