



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs  
Registration Division (7505P)  
1200 Pennsylvania Ave., N.W.  
Washington, D.C. 20460-0001

EPA Reg. Number:

91234-96

Date of Issuance:

11/28/2018

NOTICE OF PESTICIDE:

Registration  
 Reregistration  
(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

A151.01

Name and Address of Registrant (include ZIP Code):

Dave G. Bolin, Ph.D.  
Director - Regulatory Affairs  
Atticus, LLC  
501 Cascade Pointe Lane, Suite 102  
Cary, NC 27513-5787

**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:

Richard J. Gebken, Product Manager 10  
Invertebrate & Vertebrate Branch 2  
Registration Division (7505P)

Date:

11/28/2018

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

a. Pymetrozine GDCI-101103-1385

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://www.epa.gov/oppsrrd1/contacts\\_prd.htm](http://www.epa.gov/oppsrrd1/contacts_prd.htm)

3. Be aware that proposed data requirements have been identified in a Work Plan or proposed DCI. For more information on these proposed data requirements, you may contact the Chemical Review Manager in the Pesticide Reevaluation Division:

[http://www.epa.gov/oppsrrd1/contacts\\_prd.htm](http://www.epa.gov/oppsrrd1/contacts_prd.htm)

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

- Revise the EPA Registration Number to read, “EPA Reg. No. 91234-96.”

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 07/18/18

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EPA Reg. No. 91234-96  
Decision No. 542880

If you have any questions, please contact Mrs. Virna Stillwaugh by phone at (703) 347-8506, or via email at [Stillwaugh.Virna@epa.gov](mailto:Stillwaugh.Virna@epa.gov).

Sincerely,



Richard Gebken  
Product Manager 10  
Invertebrate & Vertebrate Branch 2  
Registration Division (7505P)  
Office of Pesticide Programs

*Enclosure: Master Label Stamped "Accepted," dated 11/28/2018*

[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}

|             |       |    |             |
|-------------|-------|----|-------------|
| PYMETROZINE | GROUP | 9B | INSECTICIDE |
|-------------|-------|----|-------------|

# A151.01<sup>[TM]</sup>

[Alternate Brand Name: Seville]

[For control of listed aphids in cotton, hops, pecans, potatoes (and other tuberous root and corm vegetables), tobacco, and vegetables]

|                                 |               |
|---------------------------------|---------------|
| <b>Active Ingredient:</b>       | (% by weight) |
| Pymetrozine <sup>1</sup> .....  | 50.0%         |
| <b>Other Ingredients:</b> ..... | 50.0%         |
| <b>Total</b> .....              | 100.0%        |

<sup>1</sup>CAS No. 123312-89-0

[A151.01] is a water-dispersible granule containing 50% active ingredient by weight.

Contains pymetrozine, the active ingredient used in [Fulfill®].

## 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.)

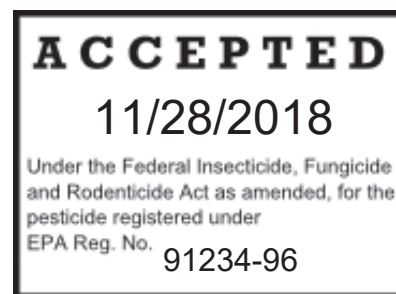
See inside label booklet for First Aid, Precautionary Statements and Directions for Use.

EPA Reg. No.: 91234-XX

EPA Est. No.:

Net Weight:

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



[A151.01] is not manufactured, or distributed by Syngenta Crop Protection, LLC, seller of [Fulfill®].

## {LANGUAGE INSIDE BOOKLET}

| <b>FIRST AID</b>   |   |
|--|---|
| <b>If on skin or clothing:</b>   | <ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>   |
| <b>If in eyes:</b>   | <ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>   |
| <b>If inhaled:</b>   | <ul style="list-style-type: none"><li>• Move person to fresh air.</li><li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>   |
| <b>If swallowed:</b>   | <ul style="list-style-type: none"><li>• Call a poison control center or doctor immediately for treatment advice.</li><li>• Have a person sip a glass of water if able to swallow.</li><li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li><li>• Do not give anything by mouth to an unconscious person.</li></ul> |
| <b>HOT LINE 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 SafetyCall at <b>1-844-685-9173</b> 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

Harmful if absorbed through skin. Avoid contact with eyes, skin, or clothing. 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.

### Personal Protective Equipment (PPE)

#### Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material - Category A (e.g., barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, natural rubber ≥ 14 mils, polyethylene, polyvinylchloride [PVC] ≥ 14 mils, or Viton® ≥ 14 mils)
- Shoes plus socks

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

### Engineering Control Statements

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

### 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.

### Environmental Hazards

Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment wash water.

### Physical and Chemical Hazards

Do not use, pour, spill, or store near heat or open flame.

## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

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.

### AGRICULTURAL USE REQUIREMENTS

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) 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.**

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 - Category A (e.g., barrier laminate, butyl rubber  $\geq$  14 mils, nitrile rubber  $\geq$  14 mils, neoprene rubber  $\geq$  14 mils, natural rubber  $\geq$  14 mils, polyethylene, polyvinylchloride [PVC]  $\geq$  14 mils, or Viton<sup>®</sup>  $\geq$  14 mils)
- Shoes plus socks

**FAILURE TO FOLLOW DIRECTIONS AND PRECAUTIONS ON THIS LABEL MAY RESULT IN CROP INJURY, POOR INSECT CONTROL, AND/OR ILLEGAL RESIDUES.**

## PRODUCT INFORMATION

A151.01 controls listed aphid species in cotton, hops, pecans, potatoes (and other tuberous root and corm vegetables), tobacco, and vegetables.

Apply A151.01 to plant foliage when aphids first appear, before populations build to damaging levels.

Thorough spray coverage is essential for best performance. Apply A151.01 in sufficient water to ensure good coverage of all plant surfaces. The use of greater water volumes will result in better coverage, especially under adverse conditions (e.g., hot, dry) or where a dense plant canopy exists. See the CROP USE DIRECTIONS section of this label for specific instructions on spray volumes for different crops.

With all applications of A151.01, the use of a penetrating type spray adjuvant, at the manufacturer's specified rate, will improve coverage and result in optimum insect control, especially in hard-to-wet crops.

A151.01 exhibits excellent translaminar movement (movement across the leaf surface and into plant tissue) and is rainfast as soon as the spray solution has dried.

### Mode of Action

A151.01 works primarily by ingestion, but also has some contact activity. Affected aphids stop feeding shortly after exposure, but may remain on the plant foliage until they die, which is usually within 4-10 days. A151.01 has residual activity in the plant and will control aphids that move onto the plant after spraying.

### Suitability for Integrated Pest Management Programs

A151.01 is suitable for Integrated Pest Management (IPM) programs as it has a low toxicity to beneficial insects (including honeybees and bumblebees) and mites. It can be used in IPM programs using beneficial insects and during periods of pollination. However, do not apply A151.01 directly to bees that are actively foraging in the field.

### Phytotoxicity

A151.01 has been tested for phytotoxicity at the label rates and has shown no effects on the crops listed on this label.

### Resistance Management

A151.01 contains a Group 9B insecticide (pymetrozine) belonging to a group of compounds of unknown or non-specific mode of action (selective feeding blockers). It is strongly advised that A151.01 be used in a sound resistance management program that includes rotation with other products with different modes of action. Atticus, LLC encourages responsible product stewardship to ensure effective long-term control of the insects on this label.

## Aphids Controlled<sup>1</sup>

### Common Name

### Scientific Name

|                       |                                  |
|-----------------------|----------------------------------|
| Asparagus aphid       | <i>Brachycorynella asparagi</i>  |
| Bean aphid            | <i>Aphis fabae</i>               |
| Bird cherry-oat aphid | <i>Rhopalosiphum padi</i>        |
| Blackmargined aphid   | <i>Monellia caryella</i>         |
| Black pecan aphid     | <i>Melanocallis caryaefoliae</i> |
| Buckthorn aphid       | <i>Aphis nasturtii</i>           |
| Cabbage aphid         | <i>Brevicoryne brassicae</i>     |
| Corn leaf aphid       | <i>Rhopalosiphum maidis</i>      |
| English grain aphid   | <i>Sitobion avenae</i>           |
| Green peach aphid     | <i>Myzus persicae</i>            |
| Hop aphid             | <i>Phorodon humuli</i>           |
| Lettuce aphid         | <i>Nasonovia ribis-nigri</i>     |
| Melon/cotton aphid    | <i>Aphis gossypii</i>            |
| Pea aphid             | <i>Acyrtosiphon pisum</i>        |
| Potato aphid          | <i>Macrosiphum euphorbiae</i>    |
| Potato psyllid        | <i>Paratrioza cockerelli</i>     |
| Red lettuce aphid     | <i>Uroleucon pseudambrosiae</i>  |
| Tobacco aphid         | <i>Myzus nicotianae</i>          |
| Turnip aphid          | <i>Lipaphis erysimi</i>          |
| Yellow pecan aphid    | <i>Monelliopsis pecanis</i>      |

<sup>1</sup>See individual crop sections for information on which aphid species most typically infest a particular crop.

### Rotational Restrictions

The rotational (plantback) restriction for A151.01 is 30 days for all crops.

## APPLICATION PROCEDURES

### Ground Spray Equipment

Use sufficient water to provide thorough, uniform coverage.

Use sprayer nozzles that provide accurate, uniform application and medium-sized droplets.

Calibrate sprayer from manufacturer's instructions or state's specifications to ensure delivery of adequate spray volume per unit area.

Applications using sufficient water volume to provide thorough and uniform coverage will provide the most effective aphid pest control. For ground applications, use the minimum spray volume indicated in the **CROP USE DIRECTIONS** section of this label. In situations where a dense canopy exists and/or aphid infestations are high, use greater water volumes.

### Aerial Application

Apply A151.01 in water, using the minimum spray volume indicated in the **CROP USE DIRECTIONS** section of this label. Increase spray volume under adverse conditions (i.e., high temperature, low



relative humidity, dense plant canopy). Do not apply under conditions where uniform coverage cannot be obtained or where excessive spray drift or inversion may occur. Do not apply directly to humans or animals.

### **Spray Drift Precautions**

As with all crop protection products, it is important to avoid off-target movement. Do not allow spray to drift onto adjacent land or crops. Follow these instructions to avoid spray drift.

- Do not apply when wind velocity exceeds 15 mph. Do not make applications when wind gusts approach 15 mph.
- Do not spray when conditions are favorable for drift (high temperatures, low relative humidity, drought) Do not apply during temperature inversions. If an inversion condition is suspected, consult with local weather services before making an application.
- Use the largest droplet size consistent with good pest control. Small droplets are more prone to spray drift, and can be minimized by appropriate nozzle selection, by orienting nozzles away from the air stream as much as possible, and by avoiding excessive spray boom pressure.
- Apply as close to target plants as practical to obtain a good spray pattern for adequate coverage. Do not make applications more than 10 ft. above the crop canopy.
- For aerial applications, mount the spray boom on the aircraft so as to minimize drift caused by wing tip vortices. The minimum practical boom length must be used and must not exceed 75% of wing span or rotor diameter.

### **Chemigation**

**Application Through Irrigation Systems - Potatoes only (Not for use in CA):** A151.01 alone or in combination with other products, which are registered for application through sprinkler irrigation, may be applied through irrigation systems. Apply this product only through center pivot, solid set, hand move, or moving wheel irrigation systems. Do not apply A151.01 through any other type of irrigation system. Lack of effectiveness or illegal pesticide residues can result from nonuniform distribution of treated water. If you have questions about calibration, contact State Extension Service specialists, equipment manufacturers, or other experts. A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

**Using Water from Public Water Systems:** DO NOT APPLY A151.01 INSECTICIDE THROUGH ANY IRRIGATION SYSTEM **PHYSICALLY CONNECTED** TO A PUBLIC WATER SYSTEM. Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year. A151.01 may be applied through irrigation systems which may be supplied by a public water system only if the water from the public water system is discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and to top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe. Before beginning chemigation, always make sure that the air gap exists and that there is no blockage of the overflow of the reservoir tank.

Any irrigation system using water supplied from a public water system must also meet the following requirements.

### **Operating Instructions FOR ALL SPECIFIED TYPES OF IRRIGATION SYSTEMS**

1. The system must be calibrated to uniformly apply the rates specified. If you have questions about calibration, contact State Extension Service specialists, equipment manufacturers, or other experts.
2. The system must contain a functional check-valve, vacuum relief valve, and lowpressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
3. The pesticide injection pipeline must contain a functional, automatic, quick-closing check-valve to prevent the flow of fluid back toward the injection pump.
4. The pesticide injection pipeline must also contain a functional, normally closed, solenoid operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid

from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

5. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
6. The irrigation line or water pump must include a functional pressure switch that will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
7. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump, or a Venturi injector), effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
8. Do not apply when wind speed favors drift beyond the area intended for treatment.

### **Calibration and Application Instructions**

Apply A151.01 under the schedule specified in the specific crop use directions, not according to the irrigation schedule unless the events coincide.

Set the equipment to apply the minimum amount of water per acre. Run the system at 80-95% of the manufacturer's maximum rated travel speed.

The following calibration and application techniques are provided for user reference, but do not constitute a warranty of fitness for application through sprinkler irrigation equipment. Check with state and local regulatory agencies for potential use restrictions before applying any agricultural chemical through sprinkler irrigation equipment.

### **Center Pivot Irrigation Equipment**

Notes: (1) Use only drive systems that provide uniform water distribution. (2) Do not use end guns when chemigating A151.01 through center pivot systems because of nonuniform application. (3) Plug the first nozzle closest to the well head to protect the water source.

1. Determine the size of the area to be treated.
2. Determine the time required to apply 0.1-0.25 inches of water over the area to be treated when the system and injection equipment are operated at normal pressures as specified by the equipment manufacturer. Run the system at 80-95% of the manufacturer's rated maximum travel speed.
3. Using water, determine the injection pump output when operated at normal line pressure.
4. Determine the amount of A151.01, and any tank mix partners, required to treat the area covered by the irrigation system.
5. Add the required amount of A151.01, any tank mix partners, and sufficient water to meet the injection time requirements to the solution tank. (See the MIXING PROCEDURES section of this label.)
6. Make sure the system is fully charged with water before starting injection of the A151.01 solution. Time the injection to last at least as long as it takes to bring the system to full pressure.
7. Maintain constant agitation in the solution tank during the injection period.
8. Inject the specified amount of A151.01 per acre continuously for one complete revolution of the system.
9. Stop the injection equipment after treatment is completed. Continue to operate the system until the A151.01 solution has cleared all of the sprinkler heads.
10. Allow time for all lines to flush the pesticide through all nozzles before turning off irrigation water.

### **Solid Set, Hand Move, and Moving Wheel Irrigation Equipment**

1. Determine the acreage covered by the sprinklers.
2. Fill injector solution tank with plain water and calibrate the flow rate of the system to deliver the contents of the tank over a 20-40 minute time interval.
3. Determine the amount of A151.01 required to treat the area covered by the irrigation system.
4. Add the required amount of A151.01, and any other tank mix partners, into the same quantity of water

used to calibrate the injection period. (See the **MIXING PROCEDURES** section of this label.)

5. Operate the system at the same pressure and time interval established during the calibration.
6. Inject specified amount of A151.01 per acre for either a 20-40 minute period at the end of a regular irrigation set, or as a 20-40 minute injection as a separate application not associated with a regular irrigation to maximize retention of the insecticide by the foliage.
7. Stop injection equipment after treatment is completed. Continue to operate the system until the A151.01 solution has cleared the last sprinkler head. To ensure lines are flushed and free from remaining pesticides, a dye indicator may be injected into the lines to mark the end of the application period.

## MIXING PROCEDURES

Prepare no more spray mixture than is needed for the immediate application. Thoroughly clean spray equipment before using this product. Agitate the spray solution before and during application. Do not let the spray mixture stand overnight in the spray tank. Flush the spray equipment thoroughly following each use and apply the rinsate to a previously treated area. Keep product container tightly closed when not in use.

**A151.01 Alone:** Add 1/2 of the required amount of water to the mix tank. With the agitator running, add the A151.01 to the tank. Continue agitation while adding the remainder of the water. Begin application of the solution after the A151.01 has completely and uniformly dispersed into the mix water. Maintain agitation until all of the mixture has been applied.

**Note:** Do not use liquid fertilizer as a carrier for A151.01.

**A151.01 + Tank Mixtures:** Add 1/2 of the required amount of water to the mix tank. Start the agitator running before adding any tank mix partners. Add tank mix partners in this order: products packaged in water-soluble packaging, wettable powders, wettable granules (dry flowables) such as A151.01, liquid flowables, liquids and emulsifiable concentrates. Always allow each tank mix partner to become fully dispersed before adding the next product. Provide sufficient agitation while adding the remainder of the water. Maintain agitation until all of the mixture has been applied.

**Note:** When using A151.01 in tank mixtures, add all products in water-soluble packaging to the tank before any other tank mix partner, including A151.01. Allow the water-soluble packaging to completely dissolve and the product(s) to completely disperse before adding any other tank mix partner to the tank.

If using A151.01 in a tank mixture, observe all directions for use, crop/sites, use rates, dilution ratios, precautions, and limitations which appear on the tank mix product label. Do not exceed any label dosage rate, and follow the most restrictive label precautions and limitations. Do not mix this product with any product which prohibits such mixing. Tank mixtures or other applications of products referenced on this label are permitted only in those states in which the referenced products are registered.

**Compatibility:** A151.01 is compatible with most insecticide, fungicide, fertilizers, and micronutrient products. However, test the physical compatibility of A151.01 with tank mix partners before use. To determine the physical compatibility of A151.01 with other products, use a jar test, as described below.

Using a 1 1/2 quart jar, add the proportionate amounts of the products to 1 qt. of water. Add wettable powders and water-dispersible granular products first, then liquid flowables, and emulsifiable concentrates last. After thoroughly mixing, let stand for at least 5 minutes. If the combination remains mixed or can be remixed readily, it is physically compatible. Once compatibility has been proven acceptable, use the same procedure for adding required ingredients to the spray tank. If the combination proves not to be physically compatible, do not use these products in a tank mix.

The crop safety of all potential tank mixes on all crops may not have been tested. Before applying any tank mixture not specified on this label, confirm the safety to the target crop.

IMPORTANT: Do not tank mix A151.01 with Bravo® Weather Stik®, Dithane® Rainshield™, or any other pesticide containing a sticker component in its formulation because this may drastically reduce A151.01's control of pests.

### CROP USE DIRECTIONS

A151.01 must be used only for the sites and pests at the indicated rates and limitations specified in the following tables.

#### ROW CROPS

| Crop   | Pests <sup>1</sup> | Rate Per Acre Per Application            | Remarks   |
|--------|--------------------|--|---|
| Cotton | Cotton aphid       | <b>Foliar application:</b><br>2.75 oz./A | Apply when aphids first appear, before populations build to damaging levels.<br><br>Two applications may be needed to control persistent aphid populations. |
|        | Whiteflies         | <b>Foliar application:</b><br>2.75 oz./A | Provides suppression of whiteflies. <sup>2</sup><br><br>Apply when adult whiteflies first appear, before populations build to damaging levels.              |

Thorough spray coverage of plant foliage is essential for optimum control. Apply in sufficient water to ensure good coverage; use a minimum of 2 gals./A when applied by air and a minimum of 10 gals./A when applied by ground. To provide optimum coverage and penetration, add a penetrating type spray adjuvant at the manufacturer's specified rate.

**Do not** apply more than 2.75 oz./A per application. **Do not** exceed a total of 5.5 oz./A per crop per season.

Allow a minimum of 7 days between applications. Allow a minimum of 21 days (PHI) between the last application and harvest.

<sup>1</sup>Aphid pests listed in the individual crop sections are the species that most commonly infest that crop. However, A151.01 will control all aphid species listed in the **Product Information** section of this label.

<sup>2</sup>A151.01 aids in the suppression of whitefly (banded winged, silverleaf, and sweet potato) populations. Suppression means either erratic control ranging from good to poor or consistent control at a level below that which is considered acceptable for commercial control.

| Crop  | Pests <sup>1</sup>  | Rate Per Acre Per Application                      | Remarks   |
|---|---|--|---|
| <b>Potatoes (and other Tuberous Root and Corm Vegetables)</b><br><br>Arracacha<br>Arrowroot<br>Bean yam<br>Cassava:<br>bitter and sweet<br>Chayote root<br>Chinese artichoke<br>Chufa<br>Dasheen (taro)<br>Edible canna<br>Ginger<br>Jerusalem artichoke<br>Leren<br>Potato<br>Sweet potato<br>Tanier<br>True yam<br>Turmeric | Buckthorn aphid<br>Green peach aphid<br>Melon aphid<br>Potato aphid | <b>Foliar application:</b><br><br>2.75 - 5.5 oz./A | Apply when aphids first appear, before populations build to damaging levels.<br><br>Two applications may be needed to control persistent aphid populations. |
|   | Potato psyllid <sup>2</sup>   | 5.5 oz./A  |   |

Thorough spray coverage of plant foliage is essential for optimum control. Apply in sufficient water to ensure good coverage; use a minimum of 5 gals./A when applied by air and a minimum of 10 gals./A when applied by ground. To provide optimum coverage and penetration, add a penetrating type spray adjuvant at the manufacturer's specified rate.

**Do not** apply more than 5.5 oz./A per application. **Do not** exceed a total of 11.0 oz./A per crop per season.

Allow a minimum of 7 days between applications. Allow a minimum of 14 days (PHI) between the last application and harvest.

<sup>1</sup>Aphid pests listed in the individual crop sections are the species that most commonly infest that crop. However, A151.01 will control all aphid species listed in the **Product Information** section of this label.

<sup>2</sup>Suppression only.

| Crop    | Pests <sup>1</sup>                 | Rate Per Acre Per Application                | Remarks   |
|---------|------------------------------------|--|---|
| Tobacco | Green peach aphid<br>Tobacco aphid | <b>Foliar application:</b><br><br>2.75 oz./A | Apply when aphids first appear, before populations build to damaging levels.<br><br>Two applications may be needed to control persistent aphid populations. |

Thorough spray coverage of plant foliage is essential for optimum control. Apply in sufficient water to ensure good coverage; use a minimum of 20 gals./A when applied by ground. **Do not** apply by air. To provide optimum coverage and penetration, add a penetrating type spray adjuvant at the manufacturer's specified rate.

**Do not** apply more than 2.75 oz./A per application. **Do not** exceed a total of 5.5 oz./A per crop per season.

Allow a minimum of 7 days between applications. Allow a minimum of 14 days (PHI) between the last application and harvest.

<sup>1</sup>Aphid pests listed in the individual crop sections are the species that most commonly infest that crop. However, A151.01 will control all aphid species listed in the **Product Information** section of this label.

#### VEGETABLE CROPS

| Crop      | Pests <sup>1</sup>  | Rate Per Acre Per Application              | Remarks  |
|-----------|---|--|--|
| Asparagus | Asparagus aphid<br>Bean aphid<br>Green peach aphid<br>Melon aphid<br>Potato Aphid | <b>Fern application:</b><br><br>2.75 oz./A | For control of aphids, apply to asparagus ferns after harvest has been completed. Allow a minimum of 30 days between applications.<br><br>Apply when aphids first appear, before populations build to damaging levels.<br><br>Additional applications may be needed to control persistent aphid populations, however do not apply more than the maximum amount permitted per season. |

Thorough spay coverage of plant foliage is essential for optimum control. Apply in sufficient water to ensure good coverage; use a minimum of 5 gals./A when applied by air and 10 gals./A when applied by ground. To provide optimum coverage and penetration, add a penetrating type spray adjuvant at the manufacturer's specified rate.

**Do not** apply more than 2.75 oz./A per application. **Do not** exceed a total of 16.5 oz./A per season.

Allow a minimum of 30 days between applications. Allow a minimum of 170 days (PHI) between the last application and harvest.

<sup>1</sup>Aphid pests listed in the individual crop sections are the species that most commonly infest that crop. However,

A151.01 will control all aphid species listed in the Product Information section of this label.

| Crop   | Pests <sup>1</sup>                                 | Rate Per Acre Per Application                | Remarks   |
|--|--|--|---|
| <b>Cole Crops</b><br>Broccoli<br>Broccoli raab<br>Brussels sprouts<br>Cabbage<br>Cauliflower<br>Cavalo broccolo<br>Chinese broccoli<br>Chinese cabbage<br>(bok choy, napa)<br>Chinese mustard<br>cabbage<br>Collards<br>Kale | Cabbage aphid<br>Green peach aphid<br>Turnip aphid | <b>Foliar application:</b><br><br>2.75 oz./A | Apply when aphids first appear, before populations build to damaging levels.<br><br>Two applications may be needed to control persistent aphid populations. |
| Kohlrabi<br>Mizuna<br>Mustard greens<br>Mustard spinach<br>Rape greens<br>Turnip greens  | Whiteflies   | <b>Foliar application:</b><br><br>2.75 oz./A | Provides suppression of whiteflies. <sup>2</sup><br><br>Apply when adult whiteflies first appear, before populations build to damaging levels.              |

Thorough spray coverage of plant foliage is essential for optimum control. Apply in sufficient water to ensure good coverage; use a minimum of 5 gals./A when applied by air and a minimum of 10 gals./A when applied by ground. To provide optimum coverage and penetration, add a penetrating type spray adjuvant at the manufacturer's specified rate.

**Do not** apply more than 2.75 oz./A per application. Do not exceed a total of 5.5 oz./A per crop per season.

Allow a minimum of 7 days between applications. Allow a minimum of 7 days (PHI) between the last application and harvest.

<sup>1</sup>Aphid pests listed in the individual crop sections are the species that most commonly infest that crop. However, A151.01 will control all aphid species listed in the Product Information section of this label.

<sup>2</sup>A151.01 aids in the suppression of whitefly (banded winged, silverleaf, and sweet potato) populations. Suppression means either erratic control ranging from good to poor or consistent control at a level below that which is considered acceptable for commercial control.

| Crop   | Pests <sup>1</sup>               | Rate Per Acre Per Application                | Remarks   |
|--|----------------------------------|--|---|
| <b>Cucurbit Vegetables</b><br><br>Chayote<br>Chinese waxgourd<br>Citron melon<br>Cucumber<br>Edible gourd<br>Gherkin<br><i>Momordica</i> spp.<br>Muskmelon<br>Pumpkin<br>Squash:<br>summer, winter<br>Watermelon | Green peach aphid<br>Melon aphid | <b>Foliar application:</b><br><br>2.75 oz./A | Apply when aphids first appear, before populations build to damaging levels.<br><br>Two applications may be needed to control persistent aphid populations. |
|  | Whiteflies                       | <b>Foliar application:</b><br><br>2.75 oz./A | Provides suppression of whiteflies. <sup>2</sup><br><br>Apply when adult whiteflies first appear, before populations build to damaging levels.              |

Thorough spray coverage of plant foliage is essential for optimum control. Apply in sufficient water to ensure good coverage; use a minimum of 5 gals./A when applied by air and 10 gals./A when applied by ground. To provide optimum coverage and penetration, add a penetrating type spray adjuvant at the manufacturer's specified rate

**Do not** apply more than 2.75 oz./A per application. **Do not** exceed a total of 5.5 oz./A per crop per season.

Allow a minimum of 7 days between applications. Applications can be made up to and including the day of harvest (0 day PHI).

<sup>1</sup>Aphid pests listed in the individual crop sections are the species that most commonly infest that crop. However, A151.01 will control all aphid species listed in the **Product Information** section of this label.

<sup>2</sup>A151.01 aids in the suppression of whitefly (banded winged, silverleaf, and sweet potato) populations. Suppression means either erratic control ranging from good to poor or consistent control at a level below that which is considered acceptable for commercial control.



| Crop  | Pests <sup>1</sup>                | Rate Per Acre Per Application                | Remarks   |
|---|-----------------------------------|--|---|
| <b>Fruiting Vegetables</b><br><br>Eggplant<br>Ground cherry<br>Pepino<br>Peppers: bell, chili, cooking, pimento, and sweet<br>Tomatillo<br>Tomato | Green peach aphid<br>Potato aphid | <b>Foliar application:</b><br><br>2.75 oz./A | Apply when aphids first appear, before populations build to damaging levels.<br><br>Two applications may be needed to control persistent aphid populations. |
|   | Whiteflies                        | <b>Foliar application:</b><br><br>2.75 oz./A | Provides suppression of whiteflies. <sup>2</sup><br><br>Apply when adult whiteflies first appear, before populations build to damaging levels.              |

Thorough spray coverage of plant foliage is essential for optimum control. Apply in sufficient water to ensure good coverage; use a minimum of 5 gals./A when applied by air and 10 gals./A when applied by ground. To provide optimum coverage and penetration, add a penetrating type spray adjuvant at the manufacturer's specified rate.

**Do not** apply more than 2.75 oz./A per application. **Do not** exceed a total of 5.5 oz./A per crop per season.

Allow a minimum of 7 days between applications. Applications can be made up to and including the day of harvest (0 day PHI).

<sup>1</sup>Aphid pests listed in the individual crop sections are the species that most commonly infest that crop. However, A151.01 will control all aphid species listed in the **Product Information** section of this label.

<sup>2</sup>A151.01 aids in the suppression of whitefly (banded winged, silverleaf, and sweet potato) populations. Suppression means either erratic control ranging from good to poor or consistent control at a level below that which is considered acceptable for commercial control.

| Crop  | Pests <sup>1</sup>  | Rate Per Acre Per Application                | Remarks   |
|---|---|--|---|
| <b>Leafy Vegetables</b><br><br>Amaranth<br>Arugula<br>Cardoon<br>Celery<br>Celtuce<br>Chervil<br>Chinese celery<br>Corn salad<br>Dandelion<br>Dock (sorrel)<br>Edible-leaved chrysanthemum<br>Endive (escarole)<br>Fennel, Florence<br>Garden/Upland cress<br>Garden/Winter purslane<br>Garland chrysanthemum<br>Head lettuce<br>Leaf lettuce<br>Orach<br>Parsley<br>Radicchio<br>Rhubarb<br>Spinach<br>Swiss chard | Bean aphid<br>Green peach aphid<br>Lettuce aphid<br>Potato aphid<br>Red lettuce aphid | <b>Foliar application:</b><br><br>2.75 oz./A | Apply when aphids first appear, before populations build to damaging levels.<br><br>Two applications may be needed to control persistent aphid populations. |
|   | Whiteflies  | <b>Foliar application:</b><br><br>2.75 oz./A | Provides suppression of whiteflies. <sup>2</sup><br><br>Apply when adult whiteflies first appear, before populations build to damaging levels.              |

Thorough spray coverage of plant foliage is essential for optimum control. Apply in sufficient water to ensure good coverage; use a minimum of 5 gals./A when applied by air and 10 gals./A when applied by ground. To provide optimum coverage and penetration, add a penetrating type spray adjuvant at the manufacturer's specified rate.

**Do not** apply more than 2.75 oz./A per application. **Do not** exceed a total of 5.5 oz./A per crop per season.

Allow a minimum of 7 days between applications. Allow a minimum of 7 days (PHI) between the last application and harvest.

<sup>1</sup>Aphid pests listed in the individual crop sections are the species that most commonly infest that crop. However, A151.01 will control all aphid species listed in the **Product Information** section of this label.

<sup>2</sup>A151.01 aids in the suppression of whitefly (banded winged, silverleaf and sweet potato) populations.

Suppression means either erratic control ranging from good to poor or consistent control at a level below that which is considered acceptable for commercial control.

| Crop | Pests <sup>1</sup> | Rate Per Acre Per Application                   | Remarks   |
|------|--------------------|---|---|
| Hops | Hop aphid          | <b>Foliar application:</b><br><br>4.0-6.0 oz./A | Apply when aphids first appear, before populations build to damaging levels.<br><br>Apply higher rates for heavy infestations.<br><br>Two applications may be needed to control persistent aphid populations. |

**Do not** apply at rates lower than those specified on this label. Two applications may be needed to control heavy aphid infestations.

Thorough spray coverage of plant foliage is essential for optimum control. Apply in sufficient water to ensure good coverage; use a minimum of 120 gals./A. **Do not** apply by air. To provide optimum coverage and insect control, add a nonionic surfactant or organosilicone-based surfactant at the manufacturer's specified rate.

**Do not** apply more than 6.0 oz./A per application. **Do not** make more than three applications per crop per season; do not exceed a total of 18.0 oz./A per crop per season.

Allow a minimum of 14 days between applications. Allow a minimum of 14 (PHI) days between the last application and harvest.

**Note:** A151.01 causes cessation of insect feeding shortly after application. However, aphids may remain on the plant for 2-4 days before they die.

<sup>1</sup>Aphid pests listed in the individual crop sections are the species that most commonly infest that crop. However, A151.01 will control all aphid species listed in the **Product Information** section of this label.

| Crop  | Pests <sup>1</sup>   | Rate Per Acre Per Application               | Remarks  |
|-------|--|---|--|
| Pecan | Black pecan aphid<br>Blackmargined aphid<br>Yellow pecan aphid | <b>Foliar application:</b><br><br>4.0 oz./A | Apply when aphids first appear, before populations build to damaging levels. |

Thorough spray coverage of plant foliage is essential for optimum control. Apply in sufficient water to ensure good coverage; use a minimum of 50 gals./A when applied by ground and 20 gals./A when applied by air. To provide optimum coverage and penetration, add a penetrating type spray adjuvant, at the manufacturer's specified rate.

**Do not** apply more than 4.0 oz./A per application. **Do not** exceed a total of 8.0 oz./A per crop per season.

Allow a minimum of 7 days between applications. Allow a minimum of 14 days (PHI) between the last application and harvest.

<sup>1</sup>Aphid pests listed in the individual crop sections are the species that most commonly infest that crop. However, A151.01 will control all aphid species listed in the **Product Information** section of this label.

## STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Store in a tightly closed container in a cool, dry place. Product is hygroscopic.

**PESTICIDE DISPOSAL:** Pesticide spray mixture or rinsate that cannot be used should be disposed of in a landfill approved for pesticides. Improper disposal of excess pesticide spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by the use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

### CONTAINER HANDLING:

**[Bag:** Nonrefillable outer bag. Do not reuse or refill the outer bag. Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.]

**[Plastic Container:** Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container  $\frac{1}{4}$  full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.]

## 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.

[A151.01] is a trademark of Atticus, LLC

[Fulfill®] [is a] registered trademark of the Syngenta Group Company.

Bravo®, Weather Stik®, are Trademarks of a Syngenta Group Company

Dithane® Rainshield™ is a trademark of Dow Agrosiences LLC

Viton® is a registered trademark of E.I. DuPont de Nemours and Company

# {LANGUAGE ON LABEL AFFIXED TO CONTAINER}

## A151.01™

[Alternate Brand Name: Seville]

[For control of listed aphids in cotton, hops, pecans, potatoes (and other tuberous root and corm vegetables), tobacco, and vegetables]

|                                |               |
|--------------------------------|---------------|
| <b>Active Ingredient:</b>      | (% by weight) |
| Pymetrozine <sup>1</sup> ..... | 50.0%         |
| <b>Other Ingredients</b> ..... | 50.0%         |
| <b>Total</b> .....             | 100.0%        |

<sup>1</sup>CAS No. 123312-89-0

[A151.01] is a water-dispersible granule containing 50% active ingredient by weight.

### 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  |  |
|--|--|
| <b>If on skin or clothing:</b>   | <ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>  |
| <b>If in eyes:</b>   | <ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>  |
| <b>If inhaled:</b>   | <ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>  |
| <b>If swallowed:</b>   | <ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have a person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul> |
| 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 <b>1-844-685-9173</b> 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

Harmful if absorbed through skin. Avoid contact with eyes, skin, or clothing. 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.

**ENVIRONMENTAL HAZARDS:** Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment wash water.

## STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Store in a tightly closed container in a cool, dry place. Product is hygroscopic.

**PESTICIDE DISPOSAL:** Pesticide spray mixture or rinsate that cannot be used should be disposed of in a landfill approved for pesticides. Improper disposal of excess pesticide spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by the use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

#### CONTAINER HANDLING:

**[Bag:** Nonrefillable outer bag. Do not reuse or refill the outer bag. Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.]

**[Plastic Container:** Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.]

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: \_\_\_\_\_