



U.S. ENVIRONMENTAL PROTECTION AGENCY  
 Office of Pesticide Programs  
 Registration Division (7505T)  
 1200 Pennsylvania Ave., N.W.  
 Washington, D.C. 20460

EPA Reg. Number:

91234-478

Date of Issuance:

6/3/26

NOTICE OF PESTICIDE:

Registration  
 Reregistration  
 (under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

AR3127.102

Name and Address of Registrant (include ZIP Code):

Atticus, LLC  
 940 NW Cary Parkway, Suite 200  
 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 (FIFRA).

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.

*Continues page 2*

Signature of Approving Official:

*Emily Schmid*

Date:

6/3/26

Emily Schmid, Product Manager 25  
 Herbicide Branch, Registration Division (7505T)

2. You are required to comply with the data requirements described in the generic data call-in (GDCI) identified below:

- a. Indaziflam GDCI- 080818-5729

You must comply with all of the data requirements within the established deadlines. If you have questions about the GDCI Order listed above, you may contact the Chemical Review Manager in the Pesticide Re-Evaluation Division:

<http://iaspub.epa.gov/apex/pesticides/f?p=chemicalsearch:1>

3. Make the following label changes before you release the product for shipment:
  - Revise the EPA Registration Number to read, "EPA Reg. No. 91234-478."
4. 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 FIFRA 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) lists 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.

The record for this product currently contains the following CSF(s):

- Basic CSF dated 12/17/2025

If you have any questions, please contact Lydia Crawford at 202-566-2575 or at [crawford.lydia@epa.gov](mailto:crawford.lydia@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}

INDAZIFLAM GROUP 29 HERBICIDE

# AR3127.102<sup>[TM]</sup>

[Alternate Brand Name: Winola Herbicide]

[Contains Indaziflam, the active ingredient used in Alion® [Herbicide]].

[For Preemergent Weed Control in Blueberry (Highbush) and other Bushberry Subgroup Crops in 13-07B; Caneberry and other Caneberry Subgroup Crops in 13-07A; Citrus Groves; Coffee; Grasses Grown for Seed; Fruit, Small, Vine Climbing, Except Fuzzy Kiwifruit Subgroup 13-07F; Hops; Pome Fruit Crop Group 11-10; Stone Fruit Crop Group 12-12; Sugarcane; Tree Nuts Crop Group 14-12; Tropical and Subtropical, Edible Peel, Crop Group 23; Tropical and Subtropical, Inedible Peel, Crop Group 24; Ornamentals; Christmas Trees; and Conifer Plantations.]

|                                 |                      |
|---------------------------------|----------------------|
| <b>ACTIVE INGREDIENT:</b>       | <b>(% by weight)</b> |
| Indaziflam* .....               | 19.05%               |
| <b>OTHER INGREDIENTS:</b> ..... | <b>80.95%</b>        |
| <b>TOTAL</b> .....              | <b>100.0%</b>        |

\*CAS No: 730979-19-8

Contains 1.67 pounds of indaziflam per gallon.

## KEEP OUT OF REACH OF CHILDREN CAUTION/PRECAUCIÓN

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, [additional] Precautionary Statements, and Directions for Use.]  
[See [Back][Side] Panel for First Aid and [Leaflet][Booklet] for Precautionary Statements and Directions for Use.]  
[See below for additional Precautionary Statements]

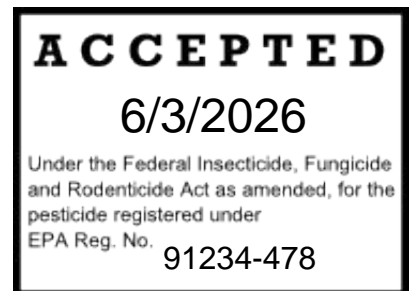
[AR3127.102 is not manufactured, or distributed by Bayer CropScience, seller of Alion®.]

EPA Reg. No.: 91234-XXX

EPA Est. No.:

Net Contents:

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



## {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 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 mouth-to-mouth, if possible.</li><li>• Call a poison control center or doctor for further 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 person sip a glass of water if able to swallow.</li><li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li><li>• Do not give anything by mouth to an unconscious person.</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>NOTE TO PHYSICIAN</b>   |   |
| No specific antidote is available. Treat symptomatically.  |   |
| <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 swallowed, absorbed through the skin or inhaled. Avoid contact with skin, eyes, or clothing. Avoid breathing spray mist. 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)**

**All mixers, loaders, applicators and other handlers must wear:**

- Long-sleeved shirt and long pants.
- Shoes plus socks.
- Waterproof gloves.

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:**

- Remove clothing/PPE 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.

### **ENGINEERING CONTROLS STATEMENTS**

When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.607 (d-f)], the handler PPE requirements may be reduced or modified as specified in the WPS.

### **ENVIRONMENTAL HAZARDS**

This product is toxic to fish, aquatic invertebrates, and plants. DO NOT apply directly to water, or to areas where surface water is present or to intertidal areas below the mean watermark. DO NOT contaminate water when disposing of equipment rinsate or washwater. This product may enter water through spray drift or runoff. Follow directions for use to avoid spray drift and runoff. A level well maintained vegetative buffer strip between areas to which this product is applied and surface water features including ponds, streams, and springs will reduce the potential of this product entering water from rainfall-runoff. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours.

### **SURFACE WATER ADVISORY**

This pesticide may impact surface water quality due to runoff of rainwater. This is especially true for poorly draining soils with shallow ground water. This product is classified as having high potential for reaching surface water via runoff for several months or more after application.

### **GROUND WATER ADVISORY**

This pesticide has properties and characteristics associated with chemicals detected in ground water. This chemical may leach into ground water if used in areas where soils are permeable, particularly where the water table is shallow.

## **DIRECTIONS FOR USE**

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

**Read the entire label before using this product.**

**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.

**SHAKE CONTAINER WELL BEFORE USING.**

**IN THE STATE OF NEW YORK ONLY: NOT FOR SALE, DISTRIBUTION OR USE IN NASSAU OR SUFFOLK COUNTY.**

### **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 intervals. 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
- Shoes plus socks
- Chemical resistant gloves made of any waterproof material

## PRODUCT INFORMATION

**AR3127.102** is formulated as a suspension concentrate of indaziflam at a concentration of 1.67 pounds of active ingredient per gallon.

**AR3127.102** is a preemergence herbicide for control of annual grasses and broadleaf weeds in Blueberry (Highbush) and other Bushberry Subgroup Crops in 13-07B; Caneberry and other Caneberry Subgroup Crops in 13-07A; Citrus Groves; Coffee; Grasses Grown for Seed; Fruit, Small, Vine Climbing, Except Fuzzy Kiwifruit Subgroup 13-07F; Hops; Pome Fruit Crop Group 11-10; Stone Fruit Crop Group 12-12; Sugarcane; Tree Nuts Crop Group 14-12; Tropical and Subtropical, Edible Peel, Crop Group 23; Tropical and Subtropical, Inedible Peel, Crop Group 24; Ornamentals; Christmas Trees; and Conifer Plantations. **AR3127.102** may be applied to the soil as a uniform broadcast or band application for the prevention of new weed emergence.

**AR3127.102** provides preemergence, residual control of weeds. A dry soil surface at time of application and 48 hours after application is optimum for binding the active ingredient to soil particles and preventing its downward movement to the crop's roots. Moisture is needed for activation of **AR3127.102**. Dry soil conditions following the initial 48-hour period after application of **AR3127.102** may result in reduced weed control. Weeds that germinate prior to activation by rain or irrigation may not be controlled. If weeds have emerged, the addition of a foliar active herbicide is needed. **AR3127.102** applied alone will not control weeds that are already emerged. Refer to the **Tank Mix Instructions** section.

This product controls weeds by inhibiting cellulose biosynthesis in plants. It may be applied at any time when the ground is not frozen or covered with snow. It will provide most effective residual weed control when applied to a dry soil surface followed by 48 hours without irrigation or rain, and then followed by adequate moisture from rain or an irrigation event within 21 days and prior to weed seed germination. Weed seeds and seedlings must come into contact with **AR3127.102** prior to emergence to be controlled. If insufficient moisture is present, some weeds may germinate and emerge from below the treated layer of soil. Avoid using **AR3127.102** in areas where soil runoff or erosion is likely to occur.

Excessive crop or weed debris present on the soil surface at the time of application may prevent a uniform distribution of the product reaching the soil and consequently may reduce weed control. Performance may be improved by removing the debris prior to applying **AR3127.102**. In very dense stands of living weeds, an application of a foliar active herbicide first then followed 3-6 weeks later with the application of **AR3127.102** is recommended for improved performance.

The level of weed control is dependent on many variables including soil texture, moisture, temperature, weed species present, the amount of weed seed present in the soil, and the crop canopy.

### PRECAUTIONS FOR USE

- Avoid direct or indirect spray contact with crop foliage, green bark, roots, or fruit as it may cause localized crop injury or death. Only trunks with callused, mature brown bark may be sprayed with **AR3127.102**. If the trunks are not fully callused mature brown bark, they should not be sprayed unless protected from spray contact by nonporous wraps, grow tubes or waxed containers. Contact of **AR3127.102** with tissues other than mature brown bark may result in serious damage or plant death.
- The soil surface where **AR3127.102** is to be applied should not have open channels or cracks in the soil. This is to prevent the product from reaching the crop roots either through direct contact from the spray application or with water movement from rain or irrigation as this may cause crop injury. If depressions in the soil such as from settling following transplanting exist around the base of the crop, fill them in with soil prior to applying **AR3127.102**. Crops that are stressed may be more sensitive to herbicide injury and should not be treated.
- Weed control activity may be reduced if the application is made to soil covered in heavy crop or weed debris that prevents a uniform distribution of the product reaching the soil. Removing the debris prior to applying **AR3127.102** may improve weed control.
- **DO NOT** use in crops that exhibit low vigor or poor health as they may be more susceptible to crop injury.

Causes of reduced vigor may include such things as previous pesticide applications, excess fertilizer or salt, diseases, insects, nematodes, drought, flooding, wind damage, frost, nutrient deficiency, or mechanical damage.

#### RESTRICTIONS FOR USE

- **AR3127.102** can only be applied in citrus trees established for a minimum of one year after transplanting and exhibiting normal growth and good vigor or in new Citrus Groves one month after planting if the transplanted trees were potted plants (such as citripots) and not bare-rooted, the trunks are protected from spray contact by nonporous wraps, grow tubes or waxed containers, and the trees are actively growing and exhibiting good health and vigor.
- **AR3127.102** can only be applied in labeled tree nut crops (except pecan) that have been established for a minimum of one year after transplanting and exhibiting normal growth and good vigor.
- **AR3127.102** can only be applied in labeled pome and stone fruit, pecan, and olive that have been established for a minimum of three years after transplanting and exhibiting normal growth and good vigor.
- **DO NOT** use on soils with 20% or more gravel content. To determine gravel content **DO NOT** remove gravel from soil samples before sending the samples for soil texture analysis, and request that gravel content be included in the analysis. The gravel content (greater than 2 mm or 0.079 inches in size, US standard sieve size 10) is defined as total percent gravel by weight before conducting soil texture analysis.
- Determine soil organic matter content (%OM) of specific orchards, vineyards, and groves by having soil core samples to a minimum depth of 6 inches of soil analyzed.
- **DO NOT** apply more than the amount of **AR3127.102** specified per application and per year or in a 12 month period on this label based on soil texture, percent organic matter content, application site, and crop.
- Except for sugarcane and grasses, allow at least 90 days between applications of **AR3127.102**. For sugarcane and grasses, allow at least 60 days between applications of **AR3127.102**.
- Only use in vineyards where the grapes have at least 6 inches of soil barrier between the soil surface and the major portion of the root system.
- **AR3127.102** can only be applied in grapes that have been established for a minimum of three years after transplanting and exhibiting normal growth and good vigor.
- **DO NOT** apply this product through any type of irrigation system.
- Use of spot spraying around desired plants is not allowed due to the variability of the actual application rate. Excessive application rates may result in severe crop injury or death.
- **DO NOT** apply this product by aerial equipment, chemigation, or spot spraying around desired plants.
- Grasses may be harvested within the day of application of **AR3127.102**.
- **DO NOT** harvest sugarcane within 120 days after the application of **AR3127.102**.
- **DO NOT** harvest citrus crops within 7 days after the application of **AR3127.102**.
- **DO NOT** harvest crops other than citrus, grasses, and sugarcane within 14 days after the application of **AR3127.102**.
- **DO NOT** rotate to any crops not listed on this label within 36 months after the last application of **AR3127.102**, following the instructions in the **Rotational Crop Restrictions** section.
- **DO NOT** apply this product to water-saturated, frozen or snow covered soil.
- **DO NOT** flood-irrigate orchards or vineyards containing stone fruit, pome fruit, grapes, tree nuts, or olives within 60 days following application of **AR3127.102**.
- **DO NOT** apply irrigation, exclusive of flood-irrigation, to treated areas within 48 hours after application.
- **DO NOT** apply within 25 feet of ponds, lakes, rivers, streams, wetlands, and habitat containing aquatic and semi-aquatic plants.
- **DO NOT** use **AR3127.102** in Nassau and Suffolk Counties of New York State.
- Rates provided on this label are based on broadcast treatment. For banded applications, reduce the broadcast rate of **AR3127.102** to the proportion of the field being treated. No area of the field may be treated with more than the highest rate provided on this label regardless of the portion of the field that this represents.
- **The Pre-Harvest Interval (PHI):**
  - **Grasses (including forage):** 0 day
  - **Citrus:** 7 days
  - **Sugarcane:** 120 days

- **All other crops listed on this label:** 14 days
- **DO NOT** cut hay within 30 days of a single application up to 0.04 lb. ai/A.

#### **SPRAY DRIFT MANAGEMENT**

Spray equipment and weather affect spray drift. Consider all factors when making application decisions. Where states have more stringent regulations, they must be observed. Avoiding spray drift is the responsibility of the applicator or grower. To reduce the potential for drift, the application equipment must be set to apply medium to large droplets (i.e., ASAE Standard S-572.1) with corresponding spray pressure. Use high flow rate nozzles to apply the highest practical spray volume. With most nozzle types, narrower spray angles produce larger droplets. Follow the nozzle manufacturer's directions on pressure, orientation, spray volume, etc., in order to minimize drift and optimize coverage and control.

#### **Wind**

Avoid making applications when spray particles may be carried by air currents to areas where sensitive crops and plants are growing.

**DO NOT** spray near sensitive plants if wind is gusty, below 2 mph, or in excess of 10 mph and moving in the direction of adjacent areas of sensitive crops or plants. **DO NOT** apply during temperature inversions. Always make applications when there is some air movement to determine the direction and distance of possible spray drift.

Local terrain may influence wind patterns; the applicator should be familiar with local conditions and understand how they may impact spray drift. Boom or nozzle shielding can reduce the effects of wind or air currents on drift. Verify that the shields do not interfere with uniform deposition of product prior to application.

#### **Temperature Inversion**

A surface temperature inversion (i.e., increasing temperature with increasing altitude) greatly increases the potential for drift. Avoid application when conditions are favorable to inversion. Presence of ground fog is a good indicator of a surface temperature inversion.

#### **Sensitive Areas**

Sensitive areas to **AR3127.102** are defined as natural bodies of water (ponds, lakes, rivers, and streams), wetlands, habitats of endangered species and non-labeled agricultural crop areas. Applicators must take all precautions necessary to minimize spray drift to these sensitive areas.

#### **APPLICATION INFORMATION**

**AR3127.102** can only be applied by ground equipment. **DO NOT** apply by aerial equipment, chemigation, or spot spraying around desired plants.

Apply **AR3127.102** alone or in an approved tank mixture in a minimum of 10 gallons of spray mixture per acre. Use higher spray volumes to improve distribution in high densities of emerged weeds or debris. Uniform, thorough spray coverage directed to the soil at the base of the crop is important to achieve consistent weed control. **DO NOT** allow spray to directly or indirectly contact crop foliage, green bark, roots, or fruit as it may cause localized crop injury. Application may be made as a broadcast treatment or as a banded treatment under vineyard, grove, or orchard crops. When making banded applications use proportionately less spray water and **AR3127.102**. The dosage listed on this label is for the treated area of the field regardless of the portion of the field that this represents.

#### **APPLICATION EQUIPMENT**

To minimize spray drift to non-target areas, apply this product using nozzles that deliver a medium or larger spray droplet as defined by the ASAE S-572.1 and as shown in nozzle manufacturer's catalogues. Keep the spray boom at the lowest possible spray height recommended by the nozzle manufacturer above the target surface. Refer to nozzle manufacturer's recommendations for proper nozzle, pressure setting and sprayer speed for optimum product

performance and minimal spray drift. Use sprayers that provide accurate and uniform application to ensure proper distribution. An off-center (OC) nozzle located at the end of the boom may be used to spray near the trunk but must be oriented so that it directs spray to avoid spray contact with crop foliage and green bark. **Maintain adequate agitation at all times including momentary stops. Since settling may occur and be difficult to get back into suspension, spray solution should not be left in the tank overnight.**

Ensure that the spray equipment including spray tank, pumps, lines, filters, screens, and nozzles are clean and free of residue from previous use before mixing and applying **AR3127.102** by following the instructions listed under **SPRAYER CLEANUP PROCEDURE**. Residue remaining in the spray equipment from previous uses can cause crop injury if not properly cleaned. After applying **AR3127.102**, follow the cleaning instructions again to ensure that no product remains in the spray equipment.

Uniform thorough spray coverage is important to achieve consistent weed control. Select nozzles, pressure, and application speed that will deliver medium or larger droplets. Verify that application equipment is in good working condition and is properly calibrated to apply the correct amount of product.

### APPLICATION METHOD

#### Broadcast Applications

For all crops listed on this label, apply **AR3127.102** at rates described in the **Dose Rate Chart** in the **APPLICATION DIRECTIONS** section for the specific crop or site where this product will be used.

#### Banded Applications

When making banded applications, use the same dosage rate as for broadcast applications but use proportionately less spray water and **AR3127.102**. The use rate provided is for the treated area of the field regardless of the portion of the field that it represents. Banded applications may be made using the following formula to calculate the amount of herbicide and spray volume needed for orchard or vineyard strip sprays:

$$\frac{\text{Treated Band Width in Inches}}{\text{Row Width in Inches}} \times \text{Herbicide Rate per Treated Acre} = \text{Amount of Herbicide Needed for Treatment}$$

$$\frac{\text{Treated Band Width in Inches}}{\text{Row Width in Inches}} \times \text{Spray Volume per Treated Acre} = \text{Amount of Spray Volume Needed for Treatment}$$

#### Tank Mix Instructions

**AR3127.102** may be mixed with and applied in combination with most commonly used pesticides registered for use in the approved crops to expand the spectrum of weed control. **AR3127.102** will generally provide little or no control of weeds that are already emerged or established at the time of application. When weeds are emerged at application, the addition of a labeled foliar active herbicide is needed. Only use products that are approved for use in the crop to which the tank mixture is to be applied.

If **AR3127.102** is to be tank mixed with liquid fertilizers, other pesticides, or additives, compatibility should be tested prior to mixing. To test for compatibility, use a small container and mix a small amount (0.5 to 1 qt) of spray, combining all ingredients in the same ratio and mixing order as the anticipated use. If any indications of physical incompatibility develop, **DO NOT** use this mixture for spraying. Indications of incompatibility usually appear 5 - 15 minutes after mixing.

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

### Mixing Instructions

Ensure that the application equipment has been thoroughly cleaned from previous use before using to apply **AR3127.102**. Follow the steps listed below:

1. Shake container well to ensure that the product is thoroughly suspended prior to measuring in case some settling has occurred during shipping or storage.
2. Fill the spray tank with 1/2 of the required volume of water prior to the addition of **AR3127.102**.
3. With the pump and agitator running, add the proper amount of **AR3127.102** first.
4. Once the **AR3127.102** is completely dispersed, add any other pesticides, fertilizers or additives if they are to be applied with **AR3127.102**.
5. Add the rest of the water to the desired volume while maintaining sufficient agitating.

Continue agitation while mixing and during application to ensure a uniform spray mixture.

**Re-suspending SC Products in Spray Solution:** Like other suspension concentrates (SCs), **AR3127.102** will settle if left standing without agitation. Reagitate the spray solution for a minimum of 10 minutes before application.

### HERBICIDE RESISTANCE MANAGEMENT (WSSA) RECOMMENDATIONS

For resistance management, **AR3127.102** is a Group 29 herbicide. Any weed population may contain or develop plants naturally resistant to **AR3127.102** and other Group 29 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same field. Appropriate resistance management strategies should be followed.

To delay herbicide resistance take one or more of the following steps:

- Rotate the use of **AR3127.102** or other Group 29 herbicides within a growing season sequence or among growing seasons with different herbicide groups that control the same weeds in a field.
- Use tank mixtures with herbicides from a different group if such use is permitted; where information on resistance in target weed species is available, use the less resistance-prone partner at a rate that will control the target weed(s) equally as well as the more resistance-prone partner. Consult your local extension service or certified crop advisor if you are unsure as to which active ingredient is currently less prone to resistance.
- Adopt an integrated weed-management program for herbicide use that includes scouting and uses historical information related to herbicide use and crop rotation, and that considers tillage ( or other mechanical control methods), cultural ( e.g., higher crop seeding rates; precision fertilizer application method and timing to favor the crop and not the weeds), biological (weed-competitive crops or varieties) and other management practices.
- Scout after herbicide application to monitor weed populations for early signs of resistance development. Indicators of possible herbicide resistance include:
  - (1) failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds;
  - (2) a spreading patch of non-controlled plants of a particular weed species;
  - (3) surviving plants mixed with controlled individuals of the same species. If resistance is suspected, prevent weed seed production in the affected area by an alternative herbicide from a different group or by a mechanical method such as hoeing or tillage. Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment when moving between fields, and planting clean seed.
- If a weed pest population continues to progress after treatment with this product, discontinue use of this product, and switch to another management strategy or herbicide with a different mode of action, if available.
- Contact your local extension specialist or certified crop advisors for additional pesticide resistance-management and/or integrated weed-management recommendations for specific crops and weed biotypes.
- For further information or to report suspected resistance contact Atticus, LLC at 984-465-4800. You can also contact your pesticide distributor or university extension specialist to report resistance.

## WEED CONTROL

**AR3127.102** provides residual control of susceptible grasses and broadleaf weeds when applied prior to germination.

Best weed control is obtained when **AR3127.102** is applied to a dry soil surface followed by 48 hours without irrigation or rain, and then followed by adequate moisture from rain or an irrigation event within 21 days and prior to weed seed germination and adequate rain or irrigation is received soon after application and prior to weed germination. Supplemental irrigation may be applied following application to improve weed control.

The weed control activity may be reduced if the application is made to dense weed vegetation or to soil covered in heavy crop or weed debris that prevents a uniform distribution of the product reaching the soil. Removing the debris and / or controlling the existing weeds prior to applying **AR3127.102** may improve weed control. In very dense stands of living weeds, an application of a foliar active herbicide first then followed 3-6 weeks later with the application of **AR3127.102** is recommended for improved performance.

If weeds are emerged at application, the addition of a foliar active herbicide is needed. The spectrum of weed control may be increased when **AR3127.102** is tank mixed with other herbicides. Refer to **Tank Mix Instructions** section.

### RATE RANGES

Select proper use rate based on crop or application site and soil texture and percent organic matter content. Soils with high clay content may require a higher use rate of **AR3127.102** than soils with low clay content. Where rate ranges are given, use lower rates within the range on coarser textured soils and higher rates within the range on finer textured soils. Using the higher rates will provide longer weed control and may also improve control in fields with heavy weed or crop debris.

If individual orchards, vineyards, or citrus groves have multiple %OM contents throughout the area where **AR3127.102** is to be applied by a single tank or tank mix, then use the lowest rate of **AR3127.102** corresponding to the lowest %OM content for that area.

**AR3127.102** may be used on soils with greater than 10% organic matter; however, the length and level of weed control may be reduced compared to soils with lower organic matter.

| <b>Weeds Controlled by 3.5 - 6.5 Fl. oz./Acre AR3127.102</b> |                              |                           |                               |
|--|------------------------------|---------------------------|-------------------------------|
| <b>Broadleaves</b>   |                              | <b>Grasses</b>            |                               |
| <b>Common Name</b>   | <b>Genus/Species</b>         | <b>Common Name</b>        | <b>Genus/Species</b>          |
| Amaranth, spiny[*]   | <i>Amaranthus spinosus</i>   | Barley, mouse             | <i>Hordeum murinum</i>        |
| Buckwheat, wild <sup>1</sup>                                 | <i>Polygonum convolvulus</i> | Barnyardgrass, common     | <i>Echinochloa crus-galli</i> |
| Burclover, California <sup>1</sup> [*]                       | <i>Medicago polymorpha</i>   | Bluegrass, annual         | <i>Poa annua</i>              |
| Buttercup, corn <sup>1</sup>                                 | <i>Ranunculus arvensis</i>   | Brome, downy[*]           | <i>Bromus tectorum</i>        |
| Carpetweed   | <i>Mollugo verticillata</i>  | Brome, foxtail            | <i>Bromus rubens</i>          |
| Catsear, spotted <sup>3</sup> [*]                            | <i>Hypochoeris radicata</i>  | Bromegrass, ripgut[*]     | <i>Bromus rigidus</i>         |
| Celery, wild <sup>1</sup> [*]                                | <i>Apium leptophyllum</i>    | Cheat                     | <i>Bromus secalinus</i>       |
| Chickweed, common  | <i>Stellaria media</i>       | Crabgrass, large          | <i>Digitaria sanguinalis</i>  |
| Chickweed, mouse-ear[*]                                      | <i>Cerastium vulgatum</i>    | Crabgrass, smooth[*]      | <i>Digitaria ischaemum</i>    |
| Clover, crimson <sup>3</sup> [*]                             | <i>Trifolium incarnatum</i>  | Cupgrass, southwestern[*] | <i>Eriochloa gracilis</i>     |
| Clover, red <sup>1</sup> [*]                                 | <i>Trifolium pratense</i>    | Foxtail, giant            | <i>Setaria faberi</i>         |
| Clover, white <sup>3</sup> [*]                               | <i>Trifolium repens</i>      | Foxtail, green            | <i>Setaria viridis</i>        |
| Cudweed, purple  | <i>Gnaphalium purpureum</i>  | Foxtail, yellow           | <i>Pennisetum glaucum</i>     |
| Dandelion, common (seedling)                                 | <i>Taraxacum officinale</i>  | Goosegrass                | <i>Eleusine indica</i>        |
| Eveningprimrose, cutleaf <sup>1</sup>                        | <i>Oenothera laciniata</i>   | Guineagrass[*]            | <i>Panicum maximum</i>        |
| Fiddleneck, coast [*]  | <i>Amsinckia intermedia</i>  | Junglerice[*]             | <i>Echinochloa colonum</i>    |
| Filaree, redstem/Storksbill                                  | <i>Erodium cicutarium</i>    | Lovegrass, tufted         | <i>Eragrostis pectinacea</i>  |
| Filaree, whitestem[*]  | <i>Erodium moschatum</i>     | Millet, wild proso[*]     | <i>Panicum miliaceum</i>      |

|  |                                  |                                 |                                |
|--|----------------------------------|---------------------------------|--------------------------------|
| Fleabane, hairy                        | <i>Erigeron bonariensis</i>      | Oat, wild[*]                    | <i>Avena fatua</i>             |
| Geranium, Carolina [*]                 | <i>Geranium carolinianum</i>     | Panicum, fall[*]                | <i>Panicum dichotomiflorum</i> |
| Groundsel, common                      | <i>Senecio vulgaris</i>          | Panicum, Texas <sup>1</sup> [*] | <i>Panicum texanum</i>         |
| Henbit <sup>1</sup>                    | <i>Lamium amplexicaule</i>       | Ryegrass, Italian (annual)      | <i>Lolium multiflorum</i>      |
| Horseweed / Marestalk                  | <i>Erigeron canadensis</i>       | Signalgrass, broadleaf[*]       | <i>Brachiaria platyphylla</i>  |
| Indigo, Hairy [*]                      | <i>Indigofera hirsuta</i>        | Sprangletop, bearded[*]         | <i>Leptochloa fascicularis</i> |
| Knotweed, prostrate <sup>1</sup>       | <i>Polygonum aviculare</i>       | Sprangletop, Mexican[*]         | <i>Leptochloa uninervia</i>    |
| Kochia                                 | <i>Kochia scoparia</i>           |                                 |                                |
| Lambsquarters, common <sup>2</sup>     | <i>Chenopodium album</i>         |                                 |                                |
| Lettuce, prickly <sup>1</sup> [*]      | <i>Lactuca serriola</i>          |                                 |                                |
| Mallow, common <sup>1</sup> [*]        | <i>Malva neglecta</i>            |                                 |                                |
| Mallow, little/Cheeseweed              | <i>Malva parviflora</i>          |                                 |                                |
| Morningglory, ivyleaf <sup>1</sup> [*] | <i>Ipomoea hederacea</i>         |                                 |                                |
| Morningglory, pitted [*]               | <i>Ipomoea lacunosa</i>          |                                 |                                |
| Mustard, black [*]                     | <i>Brassica nigra</i>            |                                 |                                |
| Mustard, wild                          | <i>Sinapis arvensis</i>          |                                 |                                |
| Nettle, stinging [*]                   | <i>Urtica dioica</i>             |                                 |                                |
| Pigweed, prostrate                     | <i>Amaranthus blitoides</i>      |                                 |                                |
| Pigweed, redroot                       | <i>Amaranthus retroflexus</i>    |                                 |                                |
| Pigweed, smooth [*]                    | <i>Amaranthus hybridus</i>       |                                 |                                |
| Plantain, buckhorn[*]                  | <i>Plantago lanceolata</i>       |                                 |                                |
| Prickly sida/Teaweed[*]                | <i>Sida spinosa</i>              |                                 |                                |
| Puncturevine, Common <sup>1</sup> [*]  | <i>Tribulus terrestris</i>       |                                 |                                |
| Purslane, common                       | <i>Portulaca oleracea</i>        |                                 |                                |
| Purslane, horse[*]                     | <i>Trianthema portulacastrum</i> |                                 |                                |
| Pusley, Brazilian <sup>3</sup> [*]     | <i>Richardia braziliensis</i>    |                                 |                                |
| Pusley, Florida                        | <i>Richardia scabra</i>          |                                 |                                |
| Ragweed, common <sup>1</sup>           | <i>Ambrosia elatior</i>          |                                 |                                |
| Redmaids                               | <i>Calandrinia caulescens</i>    |                                 |                                |
| Rocket, London [*]                     | <i>Sisymbrium irio</i>           |                                 |                                |
| Sesbania, hemp/Coffeebean[*]           | <i>Sesbania exaltata</i>         |                                 |                                |
| Shepherd's-purse [*]                   | <i>Capsella bursa-pastoris</i>   |                                 |                                |
| Smartweed, Pennsylvania [*]            | <i>Polygonum pennsylvanicum</i>  |                                 |                                |
| Smellmelon [*]                         | <i>Cucumis melo</i>              |                                 |                                |
| Sorrel, red <sup>1</sup> [*]           | <i>Rumex acetosella</i>          |                                 |                                |
| Sowthistle, annual                     | <i>Sonchus oleraceus</i>         |                                 |                                |
| Sowthistle, spiny [*]                  | <i>Sonchus asper</i>             |                                 |                                |
| Spanishneedles <sup>1</sup> [*]        | <i>Bidens bipinnata</i>          |                                 |                                |
| Spurge, garden [*]                     | <i>Euphorbia hirta</i>           |                                 |                                |
| Spurge, prostrate[*]                   | <i>Euphorbia supina</i>          |                                 |                                |
| Spurge, spotted [*]                    | <i>Euphorbia maculata</i>        |                                 |                                |
| Spurry, corn [*]                       | <i>Spergula arvensis</i>         |                                 |                                |
| Sunflower, common <sup>1</sup>         | <i>Helianthus annuus</i>         |                                 |                                |
| Swinecress                             | <i>Coronopus didymus</i>         |                                 |                                |
| Thistle, Russian                       | <i>Salsola kali</i>              |                                 |                                |
| Velvetleaf                             | <i>Abutilon theophrasti</i>      |                                 |                                |
| Vetch, purple [*]                      | <i>Vicia benghalensis</i>        |                                 |                                |

|  |                               |  |  |
|--|-------------------------------|--|--|
| Willowherb, panicle                        | <i>Epilobium brachycarpum</i> |  |  |
| Woodsorrel, common yellow <sup>1</sup> [*] | <i>Oxalis stricta</i>         |  |  |
| Woodsorrel, Florida yellow[*]              | <i>Oxalis florida</i>         |  |  |

[\*Not Registered for Use by California.]

<sup>1</sup>Denotes partial control of these weeds.

<sup>2</sup>Consistent control dependent on timely activation by rain or irrigation.

<sup>3</sup>Seedling control only.

{**NOTE TO REVIEWER:** Registrant may add the following state-driven statements as required throughout.

[Not Registered for Use by (Insert State) ] [Not Registered for Use on (Insert Commodity) by (Insert State) ]  
 [Not Registered for Sale, Sale Into, Distribution and/or Use in (Insert County Name(s)) Counties of (Insert State)]

### APPLICATION DIRECTIONS FOR SPECIFIC CROPS

#### BLUEBERRY (HIGHBUSH) AND OTHER BUSHBERRY SUBGROUP CROPS IN 13-07B

Aronia berry; blueberry, highbush; buffalo currant; Chilean guava; cranberry, highbush; currant, black; currant, red; elderberry; European barberry; gooseberry; honeysuckle, edible; huckleberry; jostaberry; Juneberry (Saskatoon berry); lingonberry; native currant; salal; sea buckthorn; cultivars, varieties, and/or hybrids of these including rabbiteye blueberries, except blueberry (lowbush).

| Soil Texture   | AR3127.102<br>(fl. oz./broadcast acre) |                         | Minimum Plant Age |
|--|--|-------------------------|-------------------|
|  | Soil % Organic Matter Content          | Rate Per Application    |                   |
| Sand   | <b>DO NOT</b> Use                      | <b>DO NOT</b> Use       | N/A               |
| Any other soil except those that contain 20% or greater gravel content | < 1                                    | 3.5<br>(0.045 lb. ai/A) | 1 year*           |
|  | ≥ 1                                    | 5.0<br>(0.065 lb. ai/A) | [In CA: 3 years]  |

#### Application Instructions

[All States Except CA:] Only use **AR3127.102** in established plantings at least one year after the bushes have been planted and exhibiting normal growth and good vigor. Only apply **AR3127.102** to blueberries and bushberries where the soil has completely settled around the bushes and there are no exposed roots, open channels or depressions in the soil that would allow the product to move into the root zone or injury may occur. Apply **AR3127.102** as a directed application to the soil beneath the bushes.

[In CA: Only use **AR3127.102** in established plantings at least three years after the bushes have been planted and exhibiting normal growth and good vigor in California.

#### Use Restrictions

- **DO NOT** apply more than a total of 7.0 fl. oz. product (0.09 lb. ai) per acre per year on soils containing < 1 % organic matter content, or 10.0 fl. oz. product (0.13 lb. ai) per acre per year on soils containing ≥ 1 % organic matter content in a 12 month period when used in any highbush blueberry or bushberry planting.
- [In CA: **DO NOT** apply more than one application of **AR3127.102** per cropping season.]
- **DO NOT** use in Blueberry (High-Bush) and other Bushberry 13-07B crops grown in sand.
- **DO NOT** use on soils with 20% or more gravel content.
- **DO NOT** allow spray to contact green stems, foliage, flowers, or berries or unacceptable injury may occur.
- **Only apply AR3127.102** to soil as a dormant application in late fall through early spring before bud swell.
- When making more than one application per year, allow a minimum of 90 days between applications.

**CANEBERRY AND OTHER CANEBERRY SUBGROUP CROPS IN 13-07A**

Blackberry; loganberry; raspberry, black and red; wild raspberry; cultivars, varieties, and/or hybrids of these

| Soil Texture   | AR3127.102<br>(fl. oz./broadcast acre) |                         | Minimum Plant Age |
|--|--|-------------------------|-------------------|
|  | Soil % Organic Matter Content          | Rate Per Application    |                   |
| Sand   | <b>DO NOT</b> Use                      | <b>DO NOT</b> Use       | N/A               |
| Any other soil except those that contain 20% or greater gravel content   | < 1                                    | 3.5<br>(0.045 lb. ai/A) | 1 year*           |
|  | ≥ 1                                    | 5.0<br>(0.065 lb. ai/A) | [In CA: 3 years]  |
| <p><b>Application Instructions</b></p> <p>[All States Except CA:] Only use <b>AR3127.102</b> in established plantings at least one year after the bushes have been planted and exhibiting normal growth and good vigor. Only apply <b>AR3127.102</b> to caneberries where the soil has completely settled around the bushes and there are no exposed roots, open channels or depressions in the soil that would allow the product to move into the root zone or injury may occur. Apply <b>AR3127.102</b> as a directed application to the soil beneath the canes.</p> <p>[In CA: Only use <b>AR3127.102</b> in established plantings at least three years after the bushes have been planted and exhibiting normal growth and good vigor in California.]</p>  |  |                         |                   |
| <p><b>Use Restrictions</b></p> <ul style="list-style-type: none"> <li>• <b>Soils containing &lt; 1 % organic matter content: DO NOT</b> apply more than a total of 7.0 fl. oz. product (0.09 lb. ai) per acre per year or in a 12 month period when used in any caneberry planting.</li> <li>• <b>Soils containing ≥ 1 % organic matter content: DO NOT</b> apply more than a total of 10.0 fl. oz. product (0.13 lb. ai) per acre per year or in a 12 month period when used in any caneberry planting.</li> <li>• [In CA: <b>DO NOT</b> apply more than one application of <b>AR3127.102</b> per cropping season per year.]</li> <li>• <b>DO NOT</b> use in Caneberry 13-07A grown on sand.</li> <li>• <b>DO NOT</b> use on soils with 20% or more gravel content.</li> <li>• <b>DO NOT</b> allow spray to contact green stems, foliage, flowers, or berries or unacceptable injury may occur.</li> <li>• <b>Only apply AR3127.102</b> to soil as a dormant application in late fall through early spring before bud swell.</li> <li>• When making more than one application per year, allow a minimum of 90 days between applications.</li> </ul> |  |                         |                   |

**BLUEBERRY (LOWBUSH)**

| Soil Texture   | AR3127.102<br>(fl. oz./broadcast acre) |   | Minimum Plant Age |
|--|--|---|-------------------|
|  | Soil % Organic Matter Content          | Rate Per Application  |                   |
| Sand   | <b>DO NOT</b> Use                      | <b>DO NOT</b> Use   | N/A               |
| Any other soil except those that contain 20% or greater gravel content | < 1                                    | 3.5 – 5.0<br>(0.045 – 0.065 lb. ai/A)<br><br><i>{Alternate Rate}</i><br>[3.5<br>(0.045 lb. ai)]<br><br>[In CA: 3.5<br>(0.045 lb. ai)] | 1 year            |
|  | ≥ 1                                    | 5.0 – 6.5<br>(0.065 – 0.085 lb. ai/A)<br><br><i>{Alternate Rate}</i><br>[5.0<br>(0.065 lb. ai)]<br><br>[In CA: 5.0<br>(0.065 lb. ai)] |                   |

**Application Instructions**

Only use **AR3127.102** in established plantings at least one year after the bushes have been planted and exhibiting normal growth and good vigor. Only apply **AR3127.102** to lowbush blueberries and low growing berries where the soil has completely settled around the bushes and there are no exposed roots, open channels or depressions in the soil that would allow the product to move into the root zone or injury may occur.

Make one broadcast application of **AR3127.102** when blueberries are dormant in late fall through early spring before bud swell.

**Use Restrictions**

- **Soils containing < 1 % organic matter content:**
  - **DO NOT** apply more than a total of 3.5 - 5.0 fl. oz. product (0.045 - 0.065 lb. ai) per acre per year or in a 12-month period when used in any lowbush blueberry or low growing berry planting.
  - *{Alternate rate}* **DO NOT** apply more than a total of 3.5 fl. oz. product (0.045 lb. ai) per acre per year or in a 12-month period when used in any lowbush blueberry or low growing berry planting.
  - [In CA: **DO NOT** apply more than a total of 3.5 fl. oz. product (0.045 lb. ai) per acre per year or in a 12-month period when used in any lowbush blueberry or low growing berry planting.]
- **Soils containing ≥ 1 % organic matter content:**
  - **DO NOT** apply more than a total of 5.0 - 6.5 fl. oz. product (0.065 - 0.085 lb. ai) per acre per year or in a 12-month period when used in any lowbush blueberry or low growing berry planting.
  - *{Alternate rate}* **DO NOT** apply more than a total of 5.0 fl. oz. product (0.065 lb. ai) per acre per year or in a 12-month period when used in any lowbush blueberry or low growing berry planting.
  - [In CA: **DO NOT** apply more than a total of 5.0 fl. oz. product (0.065 lb. ai) per acre per year or in a 12-month period when used in any lowbush blueberry or low growing berry planting.]
- **DO NOT** use in lowbush blueberries grown on sand.
- **DO NOT** use on soils with 20% or more gravel content.
- **Only apply** following harvest and pruning in late fall or during the sprout year in early spring when the soil is frost-free and plants are pruned but prior to the onset of bud swell and vegetative growth and shoot emergence.
- **DO NOT** apply **AR3127.102** within 90 days of harvest.
- **DO NOT** apply **AR3127.102** after the onset of vegetative growth (emerging shoots, or bud swell) in the spring or unacceptable crop injury may occur.

**CITRUS GROVES**

**Citrus Crops, Crop group 10-10 including:** Australian desert lime; Australian finger-lime; Australian round lime; Brown River finger lime; calamondin; citron; citrus hybrids; clementine; grapefruit; Japanese summer grapefruit; kumquat; lemon; lime; Mediterranean mandarin; mount white lime; New Guinea wild lime; orange, sour; orange, sweet; pummelo; Russell River lime; satsuma mandarin; sweet lime; tachibana orange; Tahiti lime; tangelo; tangerine (mandarin); tangor; trifoliolate orange; unqi fruit; cultivars, varieties, and or hybrids of these

|  |  |
|--|--|
| <b>Soil Texture</b>  | <b>AR3127.102<br/>(fl. oz./broadcast acre)</b> |
| Any other soil except those that contain 20% or greater gravel content   | 5.0 - 6.5<br>(0.065 - 0.085 lb. ai/A)          |
| <p><b>Application Instructions</b><br/>Only apply <b>AR3127.102</b> in citrus groves where the soil has completely settled around citrus trees and there are no open channels or depressions in the soil that would allow the product to move into the root zone through open channels.</p>  |  |
| <p><b>Use Precautions</b></p> <ul style="list-style-type: none"> <li>• <b>Use in Established Groves:</b> <ul style="list-style-type: none"> <li>○ Only apply <b>AR3127.102</b> in groves where the trees have been established for a minimum of one year after transplanting.</li> </ul> </li> <li>• <b>Use in Recently Planted Citrus Groves:</b> <ul style="list-style-type: none"> <li>○ <b>AR3127.102</b> may be used in groves planted a minimum of one month provided the following condition exists:                             <ol style="list-style-type: none"> <li>1) The transplanted trees were potted plants (such as citripots) and not bare-rooted.</li> <li>2) The trunks are protected from spray contact by nonporous wraps, grow tubes, or waxed containers.</li> <li>3) The trees are actively growing and exhibiting good health and vigor.</li> </ol> </li> </ul> </li> <li>• Avoid direct or indirect spray contact with crop foliage, green bark, roots, or fruit as it may cause localized crop injury or death. Only the trunks of trees transplanted more than one year may be sprayed with <b>AR3127.102</b> if the trunk is callused, mature brown bark. Contact of <b>AR3127.102</b> with tissues other than mature brown bark can result in serious damage or plant death.</li> </ul> |  |
| <p><b>Use Restrictions</b></p> <ul style="list-style-type: none"> <li>• <b>DO NOT</b> apply more than 10.3 fl. oz. product (0.134 lb. ai) per acre per year or in a 12 month period.</li> <li>• <b>DO NOT</b> apply more than 6.5 fl. oz. product (0.085 lb. ai) per acre per application.</li> <li>• When making more than one application per year, allow a minimum of 90 days between applications.</li> </ul>  |  |

**COFFEE**

| Soil Texture   | AR3127.102<br>(fl. oz./broadcast acre) |   |   |                        |
|--|--|---|---|------------------------|
|  | Soil % Organic Matter Content          | Maximum Rate of 1 <sup>st</sup> Application | Maximum Rate of 2 <sup>nd</sup> Application | Maximum Rate Per Year  |
| Any other soil except those that contain 20% or greater gravel content   | < 1                                    | 3.5<br>(0.045 lb. ai)                       | 3.5<br>(0.045 lb. ai)                       | 7.0<br>(0.091 lb. ai)  |
|  | 1 - 3                                  | 5.0<br>(0.065 lb. ai)                       | 3.5<br>(0.045 lb. ai)                       | 8.5<br>(0.11 lb. ai)   |
|  | > 3                                    | 6.8<br>(0.089 lb. ai)                       | 3.5<br>(0.045 lb. ai)                       | 10.3<br>(0.134 lb. ai) |
| <p><b>Application Instructions</b><br/>                     Only use <b>AR3127.102</b> in established plantings at least one year after the shrubs have been planted and exhibiting normal growth and good vigor. Only apply <b>AR3127.102</b> to coffee shrubs where the soil has completely settled around the shrubs and there are no open channels or depressions in the soil that would allow the product to move into the root zone or injury may occur.</p>   |  |   |   |                        |
| <p><b>Use Restrictions:</b></p> <ul style="list-style-type: none"> <li>• <b>DO NOT</b> allow spray to contact green stems, foliage, flowers, or beans or unacceptable injury may occur.</li> <li>• <b>DO NOT</b> apply more than the amount of <b>AR3127.102</b> specified per application and per year or in a 12 month period on this label based on soil texture, percent organic matter content, application site, and crop.</li> <li>• When making more than one application per year, allow a minimum of 90 days between applications.</li> <li>• <b>DO NOT</b> use on soils with 20% or more gravel content.</li> <li>• <b>DO NOT</b> apply more than 10.3 fl. oz. product (0.134 lb. ai) per acre per year or in a 12 month period when used in Coffee.</li> <li>• <b>DO NOT</b> use in coffee grown on sand.</li> </ul> |  |   |   |                        |

**FRUIT, SMALL, VINE CLIMBING, EXCEPT FUZZY KIWIFRUIT SUBGROUP 13-07F**

Amur river grape[\*] [\*\*] [\*\*\*]; gooseberry[\*]; grape[\*\*] [\*\*\*]; kiwifruit, hardy[\*]; maypop[\*]; schisandra berry[\*]; cultivars, varieties, and/or hybrids of these[\*].

| Soil Texture   | AR3127.102<br>(fl. oz./broadcast acre) |   |                       | Minimum Vine Age |
|--|--|---|-----------------------|------------------|
|  | Soil % Organic Matter Content          | Rate Per Application  | Max Rate per Year     |                  |
| Sand   | <b>DO NOT</b> Use                      | <b>DO NOT</b> Use   | <b>DO NOT</b> Use     | N/A              |
| Any other soil except those that contain 20% or greater gravel content | < 1                                    | 3.5 - 5.0<br>(0.045 - 0.065 lb. ai)<br><b>{Alternate Rate}</b><br>3.5<br>(0.045 lb. ai)<br><b>[In CA: 3.5<br/>(0.045 lb. ai)]</b> | 5.0<br>(0.065 lb. ai) | 3 years          |
|  | ≥ 1                                    | 3.5 - 5.0<br>(0.045 - 0.065 lb. ai)<br><b>{Alternate Rate}</b><br>5.0<br>(0.065 lb. ai)<br><b>[In CA: 5.0<br/>(0.065 lb. ai)]</b> | 5.0<br>(0.065 lb. ai) |                  |

**Application Instructions**

Only use **AR3127.102** in established vineyards at least three years after the vines have been planted and exhibiting normal growth and good vigor. Ensure that the grapes have 6 inches of soil barrier between the soil surface and the major portion of the root system prior to using **AR3127.102** or injury may occur.

**Use Restrictions**

- **DO NOT** apply more than the amount of **AR3127.102** specified per application and per year or in a 12 month period on this label based on soil texture, percent organic matter content, application site, and crop.
- **DO NOT** use in grapes and other 13-07F crops grown in sand.
- **DO NOT** use on soils with 20% or more gravel content.
- **DO NOT** apply more than a total of 5.0 fl. oz. product (0.065 lb. ai) per acre per year or in a 12 month period when used in grape vineyards and other 13-07F crops.
- When making more than one application per year, allow a minimum of 90 days between applications.

[\*Not Registered for Use by California.]

[\*\*Not Registered for Use by Florida]

[\*\*\*Not Registered for Use by Georgia]

**HOPS**

| Soil Texture  | AR3127.102<br>(fl. oz./broadcast acre) |                       |                       | Minimum Plant<br>Age |
|---|--|-----------------------|-----------------------|----------------------|
|   | Soil % Organic<br>Matter Content       | Rate Per Application  | Max Rate per Year     |                      |
| Sand  | <b>DO NOT</b> Use                      | <b>DO NOT</b> Use     | <b>DO NOT</b> Use     | N/A                  |
| Any other soil except<br>those that contain 20%<br>or greater gravel content  | < 1                                    | 3.5<br>(0.045 lb. ai) | 7.0<br>(0.09 lb. ai)  | 1 year               |
|   | ≥ 1                                    | 5.0<br>(0.065 lb. ai) | 10.0<br>(0.13 lb. ai) |                      |
| <p><b>Application Instructions:</b></p> <p>Only use <b>AR3127.102</b> in established plantings at least one year after the vines have been planted and exhibiting normal growth and good vigor. Only apply <b>AR3127.102</b> to hops vines where the soil has completely settled around the vines and there are no exposed roots, open channels or depressions in the soil that would allow the product to move into the root zone or injury may occur.</p> <p>Application timings can be made as an early spring dormant application and/or as a fall dormant application after vine harvest. The early spring dormant timing can be made on hop shoots that are in the bud stage up to 2" in height.</p>  |  |                       |                       |                      |
| <p><b>Use Restrictions:</b></p> <ul style="list-style-type: none"> <li>• <b>DO NOT</b> allow spray to contact green stems, foliage, flowers, or cones or unacceptable injury may occur.</li> <li>• <b>Soils containing &lt; 1% organic matter content: DO NOT</b> apply more than a total of 7.0 fl. oz. product (0.09 lb. ai) per acre per year or in a 12 month period when used in any hops planting.</li> <li>• <b>Soils containing ≥ 1% organic matter content: DO NOT</b> apply more than a total of 10.0 fl. oz. product (0.13 lb. ai) per acre per year or in a 12 month period when used in any hops planting.</li> <li>• <b>DO NOT</b> apply more than two applications of <b>AR3127.102</b> per year.</li> <li>• <b>DO NOT</b> use in hops grown on sand.</li> <li>• <b>DO NOT</b> use on soils with 20% or more gravel content.</li> <li>• Apply <b>AR3127.102</b> as a minimum 2-foot band to each side of the hop row.</li> </ul> |  |                       |                       |                      |

**POME AND STONE FRUIT, AND TREE NUTS**

**Pome Fruit Crop group 11-10 including:** apple; azarole; crabapple; loquat; mayhaw; medlar; pear; pear, Asian; quince; quince, Chinese; quince, Japanese; tejocote; cultivars, varieties, and/or hybrids of these

**Stone Fruit Group 12-12 including:** Apricot; apricot, Japanese; capulin; cherry, black; cherry, Nanking; cherry, sweet; cherry, tart; Jujube, Chinese; nectarine; peach; plum; plum, American; plum, beach; plum, Canada; plum, cherry; plum, Chickasaw; plum, Damson; plum, Japanese; plum, Klamath; plum, prune; plumcot; sloe; cultivars, varieties, and/or hybrids of these

**Tree Nuts: Crop group 14-12 including:** African nut-tree; almond; beechnut; Brazil nut; Brazilian pine; bunya; bur oak; butternut; Cajou nut; candlenut; cashew; chestnut; chinquapin; coconut; coquito nut; dika nut; ginkgo; Guiana chestnut; hazelnut (filbert); heartnut; hickory nut; Japanese horse-chestnut; macadamia nut; mongongo nut; monkey-pot; monkey puzzle nut; Okari nut; Pachira nut; peach palm nut; pecan; pequi; Pili nut; pine nut; pistachio; Sapucaia nut; tropical almond; walnut, black; walnut, English; yellowhorn; cultivars, varieties, and/or hybrids of these

| Soil Texture   | AR3127.102<br>(fl. oz./broadcast acre) |   |  | Minimum Days<br>Between<br>Applications |
|--|--|---|--|---|
|  | Soil % Organic<br>Matter Content       | Rate Per Application  | Max Rate per Year  |   |
| Any other soil except those that contain 20% or greater gravel content | < 1                                    | 3.5 – 6.5<br>(0.045 – 0.085 lb. ai)<br><b>{Alternate Rate}</b><br>[3.5<br>(0.045 lb. ai)]<br><b>[In CA: 3.5<br/>(0.045 lb. ai)]</b>                             | 6.0 - 10.3<br>(0.078 - 0.134 lb. ai)<br><b>{Alternate Rate}</b><br>[7.0<br>(0.091 lb. ai)]<br><b>[In CA: 7.0<br/>(0.091 lb. ai)]</b> | 90                                      |
|  | 1 - 3                                  | 3.5 – 6.5<br>(0.045 – 0.085 lb. ai)<br><b>{Alternate Rate}</b><br>[3.5 – 5.0<br>(0.045 – 0.065 lb. ai)]<br><b>[In CA: 3.5 - 5.0<br/>(0.045 – 0.065 lb. ai)]</b> | 8.0 - 10.3<br>(0.104 - 0.134 lb. ai)<br><b>{Alternate Rate}</b><br>[8.5<br>(0.11 lb. ai)]<br><b>[In CA: 8.5<br/>(0.11 lb. ai)]</b>   |   |
|  | > 3                                    | 3.5 – 6.5<br>(0.045 – 0.085 lb. ai)<br><b>{Alternate Rate}</b><br>[5.0 – 6.5<br>(0.065 – 0.085 lb. ai)]<br><b>[In CA: 5.0 – 6.5<br/>(0.065 – 0.085 lb. ai)]</b> | 10.3<br>(0.134 lb. ai)   |   |

**Application Instructions:**

**For Use in Pome and Stone Fruit, and Pecan:** Only use AR3127.102 in orchards where the trees have been established at least three years and exhibiting normal growth and good vigor.

**For Use in Tree Nuts, Except Pecan:** Only use AR3127.102 in orchards where the trees have been established at least one year and exhibiting normal growth and good vigor.

If cracks in the soil or depressions from transplanting are present, fill them in prior to applying AR3127.102.

**Use Restrictions:**

- **DO NOT** apply more than the amount of AR3127.102 specified per application and per year or in a 12 month period on this label based on soil texture, percent organic matter content, application site, and crop.

- **DO NOT** use on soils with 20% or more gravel content.
- **DO NOT** apply when nuts intended for harvest are on the ground or illegal residues may result.
- **DO NOT** apply more than a total of 10.3 fl. oz. of product (0.134 lb. ai) per acre per year or in a 12 month period when used in Pome Fruit group 11-10, Stone Fruit group 12-12, Tree Nuts group 14-12, and Tropical and Subtropical Fruit, edible peel group 23 and Tropical and Subtropical Fruit, inedible peel group 24.
- **[In the California counties of Kern, Inyo, Tulare, Kings, Fresno, and Madera: AR3127.102** can only be applied beginning after harvest up to initiation of pink bud stage in almonds, and up to beginning emergence of green leaf tissue in pistachios, walnuts, and pecans.]
- When making more than one application per year, allow a minimum of 90 days between applications.

**TROPICAL AND SUBTROPICAL, EDIBLE PEEL, CROP GROUP 23 AND TROPICAL AND SUBTROPICAL FRUIT, INEDIBLE PEEL, CROP GROUP 24**

**Tropical and Subtropical Fruit, Edible Peel, Crop Group 23 including:** Acai[\*]; acerola[\*]; achachairu[\*]; African plum[\*]; agrito[\*]; almondette[\*]; ambarella[\*]; apak palm[\*]; appleberry[\*]; araza[\*]; arbutus berry[\*]; babaco[\*]; bacaba palm[\*]; bacaba-de-leque[\*]; bayberry, red[\*]; bignay[\*]; bilimbi[\*]; borojo[\*]; breadnut[\*]; cabeluda[\*]; cajou, fruit[\*]; cambuca[\*]; carandas-plum[\*]; carob[\*]; cashew apple[\*]; Ceylon iron wood[\*]; Ceylon olive[\*]; cherry-of-the-Rio- Grande[\*]; Chinese olive, black[\*]; Chinese olive, white[\*]; chirauli-nut[\*]; ciruela verde; cocoplum[\*]; date[\*]; Davidson’s plum[\*]; desert-date[\*]; doum palm coconut[\*]; false sandalwood[\*]; feijoa[\*]; fig; fragrant manjack[\*]; gooseberry, Abyssinian[\*]; gooseberry, Ceylon[\*]; gooseberry, Indian[\*]; gooseberry, otaheite[\*]; governors plum[\*]; grumichama[\*]; guabiroba[\*]; guava[\*]; guava berry[\*]; guava, Brazilian[\*]; guava, cattley[\*]; guava, Costa Rican[\*]; guava, para[\*]; guava, purple strawberry[\*]; guava, strawberry[\*]; guava, yellow strawberry[\*]; guayabillo[\*]; illawarra plum[\*]; imbel[\*]; imbu[\*]; Indian-plum[\*]; jaboticaba[\*]; Jamaica-cherry[\*]; jambolan[\*]; jelly palm[\*]; jujube, Indian[\*]; kaffir-plum[\*]; kakadu plum[\*]; kapundung[\*]; karanda[\*]; kwai muk[\*]; lemon aspen[\*]; mangaba[\*]; Marian plum[\*]; mombin, Malayan[\*]; mombin, purple[\*]; mombin, yellow[\*]; monkeyfruit[\*]; monos plum[\*]; mountain cherry[\*]; nance[\*]; natal plum[\*]; noni[\*]; olive; papaya, mountain[\*]; pataua[\*]; peach palm, fruit[\*]; persimmon, black[\*]; persimmon, Japanese[\*]; pitomba[\*]; plum of-Martinique[\*]; pomerac[\*]; rambai[\*]; rose apple[\*]; rukam[\*]; rumberry[\*]; sea grape[\*]; sentul[\*]; sete-capotes[\*]; silver aspen[\*]; starfruit[\*]; Surinam cherry[\*]; tamarind[\*]; uvalha[\*]; water apple[\*]; water pear[\*]; water berry[\*]; wax jambu[\*]; cultivars, varieties, and hybrids of these commodities[\*]

**Tropical and Subtropical Fruit, Inedible Peel, Crop Group 24 including:** Abiu[\*]; aisen[\*]; akee apple[\*]; atemoya[\*]; avocado[\*]; avocado, Guatemalan[\*]; avocado, Mexican[\*]; avocado, West Indian[\*]; bacury; bael fruit[\*]; banana[\*]; banana, dwarf[\*]; binjai[\*]; biriba[\*]; breadfruit[\*]; Burmese grape[\*]; canistel[\*]; cat’s-eyes[\*]; champedak[\*]; cherimoya[\*]; cupuacu[\*]; custard apple[\*]; dragon fruit[\*]; durian[\*]; elephant-apple[\*]; etambe[\*]; granadilla[\*]; granadilla, giant[\*]; ilama[\*]; inga[\*]; jackfruit[\*]; jatoba[\*]; karuka[\*]; kei apple[\*]; langsat[\*]; lanjut[\*]; longan[\*]; lucuma[\*]; lychee[\*]; mabololo[\*]; madras-thorn[\*]; mammy-apple[\*]; manduro[\*]; mango[\*]; mango, horse[\*]; mango, Saipan[\*]; mangosteen[\*]; marang[\*]; marmaladebox[\*]; matisia[\*]; mesquite[\*]; mongongo, fruit[\*]; monkey-bread-tree[\*]; monstera[\*]; nicobar-breadfruit[\*]; paho[\*]; pandanus[\*]; papaya[\*]; passionflower, winged-stem[\*]; passionfruit[\*]; passionfruit, banana[\*]; passionfruit, purple[\*]; passionfruit, yellow[\*]; pawpaw, common[\*]; pawpaw, small-flower[\*]; pelipisan[\*]; pequi[\*]; pequia[\*]; persimmon, American[\*]; pineapple[\*]; pitahaya[\*]; pitaya[\*]; pitaya, amarillo[\*]; pitaya, roja[\*]; pitaya, yellow[\*]; plantain[\*]; pomegranate; poshte[\*]; prickly pear, fruit[\*]; prickly pear, Texas, fruit[\*]; pulasan[\*]; quandong[\*]; rambutan[\*]; saguaro[\*]; sapodilla[\*]; sapote, black[\*]; sapote, green[\*]; sapote, mamey[\*]; sapote, white; sataw[\*]; satinleaf[\*]; screw-pine[\*]; Sierra Leonetamarind[\*]; soncoya[\*]; soursop[\*]; Spanish lime[\*]; star apple[\*]; sugar apple[\*]; sun sapote[\*]; tamarind-of-the-Indies[\*]; velvet tamarind[\*]; wampi[\*]; white star apple[\*]; wild loquat[\*]; cultivars, varieties, and hybrids of these commodities[\*]

| Soil Texture  | AR3127.102<br>(fl. oz./broadcast acre) |                                     |                        | Minimum Days<br>Between<br>Applications |
|---|--|-------------------------------------|------------------------|---|
|   | Soil % Organic<br>Matter Content       | Rate Per Application                | Max Rate per Year      |   |
| Any other soil except those that contain 20% or greater gravel content  | < 1                                    | 3.5<br>(0.045 lb. ai)               | 7.0<br>(0.091 lb. ai)  | 90                                      |
|   | 1 - 3                                  | 3.5 – 5.0<br>(0.045 – 0.065 lb. ai) | 8.5<br>(0.11 lb. ai)   |   |
|   | > 3                                    | 5.0 – 6.5<br>(0.065 – 0.085 lb. ai) | 10.3<br>(0.134 lb. ai) |   |
| <p><b>Application Instructions</b></p> <p><b>For use in all crops in the Crop Group 23 Tropical and subtropical, edible peel and Crop Group 24, Tropical and subtropical, inedible peel:</b> Only use AR3127.102 in orchards where the trees have been established at least three years and exhibiting normal growth and good vigor.</p> <p><b>For Pomegranates:</b> Apply AR3127.102 from the beginning of dormancy but prior to budbreak.</p> <p>If cracks in the soil or depressions from transplanting are present, fill them in prior to applying AR3127.102.</p> <p><b>Use Restrictions</b></p> <ul style="list-style-type: none"> <li>• <b>DO NOT</b> apply more than the amount of AR3127.102 specified per application and per year or in a 12 month period on this label based on soil texture, percent organic matter content, application site, and crop.</li> <li>• When making more than one application per year, allow a minimum of 90 days between applications.</li> <li>• <b>DO NOT</b> use on soils with 20% or more gravel content.</li> <li>• <b>DO NOT</b> apply more than a total of 10.3 fl. oz. of product (0.134 lb. ai) per acre per year or in a 12 month period.</li> </ul> |  |                                     |                        |   |

**REPLANTED LABELED CROPS IN ESTABLISHED BLUEBERRY (HIGHBUSH) AND OTHER BUSHBERRY SUBGROUP CROPS IN 13-07B EXCEPT BLUEBERRY (LOWBUSH); CANEBERRY AND OTHER CANEBERRY SUBGROUP CROPS IN 13-07A; COFFEE; FRUIT, SMALL, VINE CLIMBING, EXCEPT FUZZY KIWIFRUIT SUBGROUP 13- 07F; HOPS; POME FRUIT GROUP 11-10; STONE FRUIT GROUP 12-12; TREE NUTS GROUP 14- 12; TROPICAL AND SUBTROPICAL FRUIT, EDIBLE PEEL GROUP 23 AND TROPICAL AND SUBTROPICAL FRUIT, INEDIBLE PEEL GROUP 24**

**Blueberry (highbush) and other bushberry subgroup crops in 13-07B:** Aronia berry; blueberry, highbush; buffalo currant; Chilean guava; cranberry, highbush; currant, black; currant, red; elderberry; European barberry; gooseberry; honeysuckle, edible; huckleberry; jostaberry; Juneberry (Saskatoon berry); lingonberry; native currant; salal; sea buckthorn; cultivars, varieties, and/or hybrids of these including rabbiteye blueberries, except blueberry (lowbush).

**Caneberry and other caneberry subgroup crops in 13-07A:** Blackberry; loganberry; raspberry, black and red; wild raspberry; cultivars, varieties, and/or hybrids of these.

#### Coffee

**Fruit, Small, Vine Climbing, Except Fuzzy Kiwifruit Subgroup 13-07F including:** Amur river grape; gooseberry; grape; kiwifruit, hardy; maypop; schisandra berry; cultivars, varieties, and/or hybrids of these.

#### Hops

**Pome Fruit Crop group 11-10 including:** apple; azarole; crabapple; loquat; mayhaw; medlar; pear; pear, Asian; quince; quince, Chinese; quince, Japanese; tejocote; cultivars, varieties, and/or hybrids of these.

**Stone Fruit Group 12-12 including:** Apricot; apricot, Japanese; capulin; cherry, black; cherry, Nanking; cherry, sweet; cherry, tart; Jujube, Chinese; nectarine; peach; plum; plum, American; plum, beach; plum, Canada; plum, cherry; plum, Chickasaw; plum, Damson; plum, Japanese; plum, Klamath; plum, prune; plumcot; sloe; cultivars, varieties, and/or hybrids of these.

**Tropical and Subtropical Fruit, Edible Peel Crop Group 23 including:** Acai; acerola; achachairu; African plum; agritos; almondette; ambarella; apak palm; appleberry; araza; arbutus berry; babaco; bacaba palm; bacaba-de-leque; bayberry, red; bignay; bilimbi; borojo; breadnut; cabeluda; cajou, fruit; cambuca; carandas-plum; carob; cashew apple; Ceylon iron wood; Ceylon olive; cherry-of-the-Rio- Grande; Chinese olive, black; Chinese olive, white; chirauli-nut; ciruela verde; cocoplum; date; Davidson's plum; desert-date; doum palm coconut; false sandalwood; feijoa; fig; fragrant manjack; gooseberry, Abyssinian; gooseberry, Ceylon; gooseberry, Indian; gooseberry, otaheite; governor's plum; grumichama; guabiroba; guava; guava berry; guava, Brazilian; guava, cattley; guava, Costa Rican; guava, para; guava, purple strawberry; guava, strawberry; guava, yellow strawberry; guayabillo; illawarra plum; imbe; imbu; Indian-plum; jaboticaba; Jamaica-cherry; jambolan; jelly palm; jujube, Indian; kaffir-plum; kakadu plum; kapundung; karanda; kwai muk; lemon aspen; mangaba; Marian plum; mombin, Malayan; mombin, purple; mombin, yellow; monkeyfruit; monos plum; mountain cherry; nance; natal plum; noni; olive; papaya, mountain; pataua; peach palm, fruit; persimmon, black; persimmon, Japanese; pitomba; plumof-Martinique; pomerac; rambai; rose apple; rukam; rumberry; sea grape; sentul; sete-capotes; silver aspen; starfruit; Surinam cherry; tamarind; uvalha; water apple; water pear; water berry; wax jambu; cultivars, varieties, and hybrids of these commodities.

**Tropical and Subtropical Fruit, Inedible Peel Crop Group 24 including:** Abiu; aisen; akee apple; atemoya; avocado; avocado, Guatemalan; avocado, Mexican; avocado, West Indian; bacury; bael fruit; banana; banana, dwarf; binjai; biriba; breadfruit; Burmese grape; canistel; cat's-eyes; champedak; cherimoya; cupuacu; custard apple; dragon fruit; durian; elephant-apple; etambe; granadilla; granadilla, giant; ilama; inga; jackfruit; jatoba; karuka; kei apple; langsung; lanjut; longan; lucuma; lychee; mabolo; madras-thorn; mammy-apple; manduro; mango; mango, horse; mango, Saipan; mangosteen; marang; marmaladebox; matisia; mesquite; mongongo, fruit; monkey-bread-tree; monstera; nicobar-breadfruit; paho; pandanus; papaya; passionflower, winged-stem; passionfruit; passionfruit, banana; passionfruit, purple; passionfruit, yellow; pawpaw, common; pawpaw, small-flower; pelipisan; pequi; pequia; persimmon, American; pineapple; pitahaya; pitaya; pitaya, amarillo; pitaya, roja; pitaya, yellow; plantain; pomegranate; poshte; prickly pear, fruit; prickly pear, Texas, fruit; pulasan; quandong; rambutan; saguaro; sapodilla; sapote, black; sapote, green; sapote, mamey; sapote, white; sataw; satinleaf; screw-pine; Sierra Leone-tamarind; soncoya; soursop; Spanish lime; star apple; sugar apple; sun sapote; tamarind-of-the-Indies; velvet tamarind; wampi; white star apple; wild loquat; cultivars, varieties, and hybrids of these commodities.

**Tree Nuts, Crop group 14-12 including:** African nut-tree; almond; beechnut; Brazil nut; Brazilian pine; bunya; bur oak; butternut; Cajou nut; candlenut; cashew; chestnut; chinquapin; coconut; coquito nut; dika nut; ginkgo; Guiana chestnut; hazelnut (filbert); heartnut; hickory nut; Japanese horse-chestnut; macadamia nut; mongongo nut; monkey-pot; monkey puzzle nut; Okari nut; Pachira nut; peach palm nut; pecan; pequi; Pili nut; pine nut; pistachio; Sapucaia nut; tropical almond; walnut, black; walnut, English; yellowhorn; cultivars, varieties, and/or hybrids of these.

#### **Application Instructions**

**AR3127.102** may be used in established orchards/groves/vineyards around new trees or vines (resets/replants) anytime following planting provided the following conditions exist:

1. The soil is completely settled around established and newly planted trees/vines and there are not open channels or depressions in the soil that would allow the product to move into the root zone through open channels.
2. The trunks are protected from spray contact by nonporous wraps, grow tubes, or waxed containers.
3. The trees/vines are exhibiting good health and vigor.
4. **AR3127.102** can be applied to resets/replants contained within 3 year old and older established grapes, pome and stone fruit, pecan and olive.

Spot spraying is not allowed. Application is made with broadcast equipment delivering a uniform spray pattern.

Avoid direct or indirect spray contact with crop foliage, green bark, roots, or fruit as it may cause localized crop injury or death. Nonprotected trunks of reset/replant trees/vines in an established orchard/vineyard planted more than one year may be sprayed with **AR3127.102** if the trunk is callused, mature brown bark. Contact of **AR3127.102** with

tissues other than mature brown bark can result in serious damage or plant death. If cracks in the soil or depressions are present after planting, fill them in prior to applying **AR3127.102**.

An established tree nut orchard, except Pecan, is defined as the majority of trees in the orchard established a minimum of one year. Established Pome Fruit group 11-10, Stone Fruit group 12-12, Pecan, and Tropical and Subtropical Fruit, edible peel group 23 and Tropical and Subtropical Fruit, inedible peel group 24 orchards and grape vineyards are defined as the majority of trees/vines in the orchard/grove/vineyard established a minimum of three years.

Labeled crops may be planted anytime following an application of **AR3127.102** if the treated soil is removed from the transplant hole and soil that has not received any application of **AR3127.102** within the last 12 months is used around the roots of the new transplant.

**SUGARCANE - FOR USE IN FL, LA AND TX**

| Crop          | AR3127.102 Rate (fl. oz./acre)  | Application Instructions  |
|---------------|---|---|
| New Plantings | <b>Sequential Application:</b><br>2.0<br><br><b>Single application:</b><br>2.0 – 3.75 | Apply <b>AR3127.102</b> to newly planted cane either as a pre-emergent at 2.0 fl. oz./A followed by a second application of 2.0 fl. oz. at cultivation/layby prior to sugarcane canopy closure, if needed, or as a single application of 2.0 - 3.75 fl. oz./A either prior to emergence, or at cultivation/layby prior to canopy closure. |
| Ratoon        | 2.0 - 3.75  | Apply <b>AR3127.102</b> to established ratoon plantings as a pre-emergent spray at labeled rate either prior to emergence or at cultivation   |

**Use Restrictions:**

- **DO NOT** apply more than a total of 4.0 fl. oz. product (0.05 lb. ai) per acre per year when used in any sugarcane planting.
- **DO NOT** apply more than two applications of **AR3127.102** per year.
- **DO NOT** use in sugarcane grown on sand containing less than 0.3% organic matter.
- **DO NOT** use on soils with 20% or more gravel content.
- **DO NOT** use on cloddy soil or poor weed control may result. The soil should be prepared according to good agricultural practices. Large clods can reduce the effectiveness of **AR3127.102**.
- **DO NOT** use on soil surfaces containing excessive plant debris or similar organic matter that can prevent **AR3127.102** from contacting weed seeds in/on soil.
- **DO NOT** cut hay within 30 days of a single application up to 0.04 lb. ai/A.
- **DO NOT** allow spray to contact plant cane seed billets, green stems or foliage or unacceptable injury may occur.
- **DO NOT** apply **AR3127.102** where there are exposed roots, open channels or depressions in the soil that would allow the product to move into the root zone or injury may occur.
- **DO NOT** rotate to any crops not listed on this label within 36 months after the last application of **AR3127.102**, following the instructions in the **Rotational Crop Restrictions** section.
- **DO NOT** harvest within 120 days of the application of **AR3127.102**.
- Allow at least 60 days between applications of **AR3127.102** on sugarcane.

**USE ON GRASSES GROWN FOR SEED IN HIGH RAINFALL AREAS OF WESTERN OREGON WEST OF THE CASCADE MOUNTAINS**

USE ONE of the following **AR3127.102** use patterns **only once** over the duration of the grass seed stand life due to potential crop response:

| Crop                  | AR3127.102 Rate (fl. oz./acre) | Application Instructions  |
|-----------------------|--------------------------------|---|
| Carbon-Seeded Grasses | 1.0                            | <p>Apply <b>AR3127.102</b> following planting using a carbon-seeding system to perennial ryegrass and tall fescue. Use an application rate of 1.0 oz/A. DO NOT apply <b>AR3127.102</b> in any of the subsequent production years.</p> <p>It is recommended that strict adherence to the carbon-planting guidelines be followed or crop injury and reduced stand can occur. Apply only to fields with well-prepared, firmly packed seedbeds with an adequate carbon band that will absorb the applied <b>AR3127.102</b>.</p> <p>It is recommended that the carbon band be a minimum of 1" wide or reduced stand can occur Apply <b>AR3127.102</b> following planting but before irrigation or rainfall.</p>  |
| Established Grasses   | 1.0 - 2.0                      | <p>Apply <b>AR3127.102</b> to established Orchardgrass, perennial ryegrass or tall fescue which has had at least one seed harvest and which <b>did not</b> have <b>AR3127.102</b> applied in the establishment (1<sup>st</sup> year) of the crop. <b>AR3127.102</b> may also be applied to timothy grown for seed or hay that has been established at least one year and through a harvest for seed or hay.</p> <p>Apply at labeled rates in the fall prior to the onset of fall rains and emergence of winter annual grass weeds and volunteer crop. Check grass variety tolerance on a small scale before treating entire fields. <b>AR3127.102</b> may be tankmixed with some registered post-emerge herbicides to control already emerged <i>Poa spp.</i> and annual ryegrass and volunteer crop. Refer to the individual product labels for specific use rates, application timings and/or precautions and restrictions. Always follow the most restrictive label.</p> |

**Use Restrictions**

- **DO NOT** apply **AR3127.102** in any of the subsequent production years.
- **DO NOT** apply more than a total of 2.0 fl. oz. product (0.025 lb. ai) per acre per year when used in any grass grown for seed planting.
- **DO NOT** apply **AR3127.102** where there are exposed roots, open channels or depressions in the soil that would allow the product to move into the root zone or injury may occur.
- **DO NOT** apply within 36 months of rotation to another crop, unless otherwise listed below.

| Rotational Crops  | Minimum Plant Back Interval (Months After AR3127.102 Application) |
|---|---|
| Cereal Crops including Wheat, Corn, Sorghum, and Barley     | 22  |
| Root Crops including Carrot, Radish, Potato, and Sugar Beet | 22  |
| Peas, Lentils, and Chickpeas                                | 24  |

**USE ON GRASSES GROWN FOR SEED IN LOW RAINFALL AREAS EAST OF THE CASCADE MOUNTAINS IN OREGON AND WASHINGTON; AND IN IDAHO**

| Crop                            | AR3127.102 Rate (fl. oz./acre) | Application Instructions   |
|---------------------------------|--------------------------------|--|
| <b>Established Grasses ONLY</b> | 2.0 – 3.0                      | Apply <b>AR3127.102</b> at labeled rates to established Kentucky bluegrass, orchardgrass, perennial ryegrass, tall fescue, smooth brome grass, and wheatgrass seed stands which have been established at least one year and have been through a seed harvest. Apply in the fall prior to rainfall and winter annual weed germination in established grasses that are dormant but beginning to regrow. Check grass variety tolerance on a small scale before treating entire fields. <b>AR3127.102</b> may also be applied at a rate of 2.0 fl. oz./A to timothy grown for seed or hay that has been established at least one year and through a harvest for seed or hay. |

**Use Restrictions:**

- **DO NOT** apply more than a total of 3.0 fl. oz. product (0.039 lb. ai) per acre per year when used in any grass grown for seed (except for timothy hay) planting in eastern OR, eastern WA, and in Idaho.
- **DO NOT** apply more than a total of 2.0 fl. oz. product (0.039 lb. ai) per acre per year to timothy grown for seed or hay in eastern OR, eastern WA, and in Idaho.
- **DO NOT** apply **AR3127.102** where there are exposed roots, open channels or depressions in the soil that would allow the product to move into the root zone or injury may occur.
- **DO NOT** cut hay within 30 days of a single application.
- **DO NOT** apply **AR3127.102** more than once every two years.
- **DO NOT** apply within 36 months of rotation to another crop, unless otherwise listed below.

| Rotational Crops  | Minimum Plant Back Interval (Months After AR3127.102 Application) |
|---|---|
| Cereal Crops including Wheat, Corn, Sorghum, and Barley     | 22  |
| Root Crops including Carrot, Radish, Potato, and Sugar Beet | 22  |
| Peas, Lentils, and Chickpeas                                | 24  |

**FARMSTEAD AREAS[\*]**

**AR3127.102** will provide preemergence weed control around farmstead building foundations, non-paved farm roads and driveways, farm equipment lots, ungrazed fences, and shelter belts (windbreaks) around cropland when applied according to the directions found on this label.

| Soil Texture      | AR3127.102 (fl. oz./broadcast acre) |                   | Minimum Spray Volume (Gal./A) |
|-------------------|-------------------------------------|-------------------|-------------------------------|
|                   | Rate Per Application                | Max Rate per Year |                               |
| Fine              | 5.0 - 6.5                           | 6.8               | 10                            |
| Coarse and Medium | 5.0                                 | 6.8               | 10                            |

**Application Instructions**

Refer to the **APPLICATION INFORMATION** section of this label for application instructions and a list of the weeds that **AR3127.102** will control. Apply **AR3127.102** in a uniform broadcast spray as described in the **APPLICATION INFORMATION** section of this label. Apply as a directed spray when using under and around desired trees or shrubs such as in a shelterbelt once they are well established and the soil has finished settling.

Apply 5.0 fl. oz./A for coarse and medium textured soil or 5.0 - 6.5 fl. oz./A for fine textured soil in a minimum spray volume of 10 gallons per acre in a single application.

**For Small Sprayers:** Mix 0.1 fl. oz. per gallon water to be applied to 1,000 square feet. Avoid direct or indirect spray contact with foliage, green bark, and roots of desired plants as it may cause plant injury or death.

**AR3127.102** will not control weeds that are already emerged. For postemergence control of weeds, refer to the **Tank Mix Instructions** section of this label and follow the Mixing Instructions provided. Only use products that

are also registered for the specific use where the application of the mixture is intended. When tank mixing products with different restrictions, follow the directions of the most restricted label.

**Use Restrictions:**

- **DO NOT** exceed 6.8 fl. oz./A of this product (0.088 lb. ai) per acre per year or in a 12 month period for any site.

[\*Not Registered for Use by Long Island, New York]

**ORNAMENTALS, CHRISTMAS TREES, AND CONIFER PLANTATIONS**

**AR3127.102** may be applied for pre-emergent weed control in landscape ornamentals, hedgerows, production ornamentals in outdoor nurseries, shade houses, hoop houses, Christmas trees, and conifer plantations.

Apply **AR3127.102** as a directed spray, prior to weed seed germination to the soil surface around dormant or actively growing ornamentals/Christmas trees/conifer plantations as listed in the table below. Apply **AR3127.102** to established ornamentals/Christmas trees/conifer plantations. If the grower is uncertain about ornamental/Christmas trees/conifer plantations establishment after transplanting, wait 2 months before applying **AR3127.102**.

**Use Precautions:**

- Avoid applying **AR3127.102** to heavily mulched landscape beds, as reduced weed control may occur. For best results remove existing mulch and replace mulch after an application of **AR3127.102**.

**Use Restrictions:**

- **DO NOT** exceed the maximum single application rates specified under each Ornamental use.
- **DO NOT** exceed a total of 6.8 fl. oz. (0.088 lb. ai) per acre of **AR3127.102** per acre in a 12 month period.
- **DO NOT** allow spray to contact foliage. **AR3127.102** may cause localized injury to the foliage, especially young leaf tissue. If the spray should contact the foliage, remove affected foliage or wash off immediately.
- **DO NOT** use **AR3127.102** around bedding plants (annuals and herbaceous plants not specified, or not listed as tolerant on this label) or in areas where bedding plants may be planted or seeded for a minimum of one year after application of **AR3127.102** to a landscape bed.
- **DO NOT** use **AR3127.102** around bearing fruit and nut trees.
- **DO NOT** use **AR3127.102** around non-bearing fruit trees unless they are at least 1 year old (citrus) and 3 years old (all others). Non-bearing trees are defined as trees that will not bear fruit until at least 1 year after treatment.
- **DO NOT** use **AR3127.102** within the drip line of bearing fruit and nut trees.
- **DO NOT** mix **AR3127.102** into the soil. Cultivating or disturbing the soil surface after application may reduce weed control activity.
- **DO NOT** use **AR3127.102** on ornamentals being grown in a greenhouse.
- **DO NOT** use **AR3127.102** on nursery seedbeds, rooted cuttings or young plants in liners.
- **DO NOT** apply **AR3127.102** to ornamentals growing in containers except pot-in-pot ornamentals.
  - [In CA: **DO NOT** apply **AR3127.102** to ornamentals growing in containers smaller than 15 gallons.]
- **DO NOT** apply **AR3127.102** to ornamental bulbs in production fields.
- **DO NOT** apply **AR3127.102** to ornamental bulbs in landscapes, commercial fields, or residential sites after they have emerged.
- **DO NOT** apply **AR3127.102** to herbaceous perennials (e.g. hosta) after they have emerged.
- **DO NOT** apply **AR3127.102** over-the-top of ornamentals/Christmas trees/conifer plantations.
- **DO NOT** apply **AR3127.102** to budded grafts or graft unions as this could cause plant injury or death.
- **DO NOT** apply **AR3127.102** by air.
- If transplanting mature plants listed as tolerant on this label into soil treated with **AR3127.102** within the preceding 12 months, discard existing soil from the planting hole and add new soil around roots to minimize effects on plant establishment.
- [In CA: **DO NOT** mix with products containing chlorine bleach.]
- [In CA: **DO NOT** apply to landscape beds uphill from ryegrass, fescue, bentgrass, or mixed lawns where these grasses are desirable.]

### Ornamentals/Christmas Trees/Conifer Plantations in Coarse and Sandy Soils

Soil conditions can affect the tolerance of ornamentals/ Christmas trees/conifer plantations to **AR3127.102**. Excessively coarse or sandy soils may allow for downward movement of **AR3127.102** into the root zone and cause significant root damage and phytotoxicity. Coarse soils, for example, may include significant quantities of sand, gravel, decomposed granite, and ground cinders. Prior to application of **AR3127.102** on these soils, confirm soil texture with a soil test. Ornamentals/ Christmas trees/conifer plantations grown in soil exceeding 80% sand or 20% gravel may be at risk. If **AR3127.102** is to be applied in these soils, evaluate tolerance of a few plants of each ornamental/ Christmas trees/conifer plantations in **AR3127.102** treated soil for 2 to 3 months prior to a large scale application.

### Symptoms of AR3127.102 Injury On Ornamentals

**AR3127.102** may injure sensitive ornamentals by damaging roots or leaves. Plant foliage damaged by root absorption will appear stunted, deformed, and may not recover. If **AR3127.102** is allowed to contact leaves, leaf symptoms including leaf spot, leaf discoloration, and leaf curl may appear. Symptoms appear within several days after application. Leaves formed after appearance of symptoms may recover.

Users must assess the severity of any symptoms on cultivars not listed on this label, before proceeding with large-scale applications of **AR3127.102**. To the extent consistent with applicable law, the user assumes all responsibility for damage on cultivars not listed on this label.

### COMBINATIONS OF AR3127.102 WITH NON-SELECTIVE HERBICIDES AROUND ORNAMENTALS[\*]

Remove existing weed growth before application of **AR3127.102** or use a post-emergence herbicide labeled for control. **AR3127.102** may be used in combination with a non-selective herbicide. Avoid contact of spray containing a nonselective herbicide with foliage, stems, green bark, or bare roots of turf grasses, trees, shrubs, or other desirable vegetation, since severe damage may result. If spraying areas adjacent to desirable plants with a non-selective herbicide, use a shield while spraying to help prevent spray from contacting foliage of desirable plants.

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture. [\*Not Registered for Use by California]

### LANDSCAPE ORNAMENTAL USES[\*]

**AR3127.102** may be used in residential, commercial, as well as federal, state and local plantings of ornamentals and hedgerows for pre-emergent weed control.

| Application Method        | AR3127.102 Rate (fl. oz./acre) | Application Instructions   |
|---------------------------|--------------------------------|--|
| Broadcast, Directed Spray | 2.2 - 4.4                      | <p>Apply <b>AR3127.102</b> as a broadcast, directed spray at labeled rates around ornamentals.</p> <p>To activate <b>AR3127.102</b> for maximum herbicidal benefit, irrigate the area treated with <b>AR3127.102</b> to move the herbicide into the soil within several days after application. With dry soil, use a minimum of 0.25 inches of irrigation water, and with soil at or greater than field capacity; reduce the amount of irrigation water. In either case, DO NOT create conditions that cause visible run-off of irrigation water. Adequate rainfall following an application will negate the need for irrigation.</p> <p>A subsequent application of <b>AR3127.102</b> can be made within 90 days after the initial application to extend weed control provided that the maximum allowed rate does not exceed 6.8 fl. oz. (0.088 lb. ai/acre) of this product per acre in a (0.088 lb. ai) acre 12 month period.</p> |

**Directed Spray:** Apply **AR3127.102** as a directed spray only to established (rooted) plants and not to newly rooted cuttings or seedlings. To avoid root damage, apply **AR3127.102** around transplants when the soil has firmly settled around the root area. Irrigation or rainfall will help to settle the soil and seal surface cracks. Make applications prior to mulching for best weed control. If **AR3127.102** should contact foliage, wash off immediately to avoid damage. Herbaceous annuals and perennials are sensitive to **AR3127.102**. Applications of **AR3127.102** may only be made to ornamentals listed on this label.

[\*Not Registered for Use by California]

**PRODUCTION ORNAMENTAL USES**

| Application Method                      | AR3127.102 Use Rate   |  | Application Instructions  |
|---|---|--|---|
|   | fl. oz./acre  | Fl. oz./1,000 sq. ft.  |   |
| <b>Broadcast[*],<br/>Directed Spray</b> | 2.8 - 6.8<br>(0.036 – 0.089<br>lb. ai)                            | 0.06 - 0.13<br>(0.0008 – 0.002 lb<br>ai)                               | Apply <b>AR3127.102</b> as a broadcast, directed spray at labeled rates around ornamentals in 20 - 100 gallons of water per acre (0.5 to 2.3 gallons of water per 1,000 sq. ft.).<br><br>To activate <b>AR3127.102</b> for maximum herbicidal benefit, irrigate the area treated with <b>AR3127.102</b> to move the herbicide into the soil within 21 days after application. With dry soil, use a minimum of 0.125 to 0.25 inches of irrigation water. With soil at or greater than field capacity, reduce the amount of irrigation water. In either case, <b>DO NOT</b> create conditions that cause visible run-off of irrigation water. Adequate rainfall following an application will negate the need for irrigation.<br><br>A subsequent application of <b>AR3127.102</b> can be made within 90 days after the initial application provided that the maximum allowed rate does not exceed 6.8 fl. oz. (0.088 lb. ai) per acre in a 12-month period.<br><br><b>AR3127.102</b> provides up to 8 months of weed control with a single application. The exact length of control depends on many environmental factors as well as the weeds to be controlled and the weed pressure. |
|   | <b>{Alternate Rate}</b><br>2.8 – 5.77<br>(0.036 – 0.075 lb<br>ai) | <b>{Alternate Rate}</b><br>0.06 – 0.132<br>(0.0008 – 0.0017<br>lb. ai) |   |
|   | <b>[In CA:</b><br>2.8 – 5.77<br>(0.036 – 0.075<br>lb. ai)]        | <b>[In CA:</b><br>0.06 – 0.132<br>(0.00078 – 0.0017<br>lb. ai)]        |   |

**Application Instructions:**

**Directed Spray:** Apply **AR3127.102** as a directed spray to the soil surface only to established (rooted) plants in the soil or in pots and not to newly rooted cuttings/or seedling beds in production nurseries. To avoid root damage, apply **AR3127.102** around transplants when the plant is well established and the soil has firmly settled around the root area. Irrigation or rainfall will help to settle the soil and seal surface cracks. Apply **AR3127.102** around dormant plants. If applied after dormancy, care should be taken not to contact expanding buds or new leaves. Applications of **AR3127.102** may only be made to ornamentals listed on this label. Apply **AR3127.102** to soil free of weeds, debris, and soil clods for optimum efficacy. Herbicidal efficacy may be reduced if soil is disturbed after application.

**AR3127.102** may be applied to cultivars of listed tolerant plants that are not listed on this label. Prior to large-scale applications, treat a small number of such plants at the desired use rate. Treated plants should then be evaluated 1 to 2 months after application for possible injury and acceptable tolerance.

**IMPORTANT:** Direct application of **AR3127.102** to the soil surface and away from plant foliage and bark. Avoid direct spray contact on plant surfaces, foliage, and green bark or injury may result. Application of **AR3127.102** after bud swell may cause injury if herbicide contacts foliage. Avoid application under environmental conditions that favor drift to non-targeted areas. Deep cultivation reduces the effectiveness of **AR3127.102** and should be avoided.

**Use Restrictions:**

- **DO NOT** apply **AR3127.102** to newly rooted cuttings/or seedling beds.
- **DO NOT** apply **AR3127.102** to plant types not listed as tolerant on this label.

[\*Not Registered for Use by California]

## ORNAMENTALS AND THEIR CULTIVARS TOLERANT TO AR3127.102

Tolerant ornamentals and their cultivars are listed in the following table. Apply as a directed spray around tolerant ornamentals. If a cultivar to be treated is not listed on this label, treat several plants of the cultivar at the single maximum desired use rate and evaluate 1 to 2 months later for possible injury and acceptable tolerance. To the extent consistent with applicable law, the user assumes responsibility for application on plants not listed in this table.

| Common Name                  | Scientific Name                                      | Cultivar                 |
|------------------------------|--|--------------------------|
| Abelia [*]                   | <i>Abelia grandiflora</i>                            |                          |
| Apple                        | <i>Malus</i> sp.                                     | (non-bearing)            |
| Apple                        | <i>Malus domestica</i>                               | Haralred (non-bearing)   |
| Arborvitae                   | <i>Thuja occidentalis</i>                            | Nigra                    |
| Arborvitae                   | <i>Thuja occidentalis</i>                            | Techny                   |
| Arborvitae                   | <i>Thuja occidentalis</i>                            | Green Giant              |
| Asparagus Fern               | <i>Asparagus plumosus</i>                            |                          |
| Aspen, Quaking               | <i>Populus tremuloides</i>                           |                          |
| Azalea                       | <i>Rhododendron</i> sp.                              | Girard's Rose            |
| Azalea                       | <i>Rhododendron</i> sp.                              | Fashion                  |
| Azalea                       | <i>Rhododendron</i> sp.                              | VF 14                    |
| Azalea                       | <i>Rhododendron</i> sp.                              | Golden Torch [*]         |
| Azalea, Encore               | <i>Rhododendron</i> sp.                              | Autumn Debutante [*]     |
| Bald Cypress                 | <i>Taxodium distichum</i>                            |                          |
| Bamboo, Golden [*]           | <i>Phyllostachys aurea</i>                           |                          |
| Barberry [*]                 | <i>Berberis</i> sp.                                  |                          |
| Birch [*]                    | <i>Betula populifolia</i>                            | Whitespire               |
| Birch, River                 | <i>Betula nigra</i>                                  | Heritage                 |
| Birch, River                 | <i>Betula nigra</i>                                  |                          |
| Black Tupelo [*]             | <i>Nyssa sylvatica</i>                               | Wild Fire                |
| Bluebird                     | <i>Caryopteris x clandonensis</i>                    | Dark Knight              |
| Boxwood                      | <i>Buxus microphylla</i>                             | Green Beauty             |
| Boxwood                      | <i>Buxus microphylla</i>                             | Chicagoland Green        |
| Boxwood                      | <i>Buxus microphylla</i>                             | Baby Gem                 |
| Boxwood                      | <i>Buxus microphylla</i>                             | Wintergreen              |
| Butterfly Bush               | <i>Buddleia</i>                                      | Nanho Blue               |
| Camellia                     | <i>Camellia japonica</i>                             | Margaret Heathcliff Pink |
| Camellia                     | <i>Camellia sasanqua</i>                             | Cleopatra Pink           |
| Catalpa, Southern            | <i>Catalpa bignoniaceae</i>                          |                          |
| Cedar, Atlantic white        | <i>Chamaecyparis</i> sp.                             |                          |
| Cedar, Eastern Red           | <i>Juniperus virginiana</i>                          |                          |
| Cedar, Japanese              | <i>Cryptomeria japonica</i>                          | Black Dragon             |
| Cedar, Japanese              | <i>Cryptomeria japonica</i>                          | Burkii                   |
| Cedar, Japanese              | <i>Cryptomeria japonica</i>                          | Yoshino                  |
| Cherry, American Plum [*]    | <i>Prunus americana</i>                              |                          |
| Cherry, Okame [*]            | <i>Prunus x incamp</i>                               |                          |
| Cherry [*]                   | <i>Prunus serrulata</i>                              | Kwanzan                  |
| Cherry, Purple Leaf Sand [*] | <i>Prunus cistena</i>                                |                          |
| Cherry, Sargent [*]          | <i>Prunus sargentii</i>                              | Spring Wonder            |
| Cherry, Yoshino [*]          | <i>Prunus x yedoensis</i>                            | Yoshino                  |
| Chokeberry                   | <i>Aronia</i> sp.                                    |                          |
| Cotoneaster [*]              | <i>Cotoneaster dammeri</i> , <i>Cotoneaster</i> spp. | Coral Beauty             |
| Cottonwood                   | <i>Populus deltoides</i>                             | Sioux                    |
| Crabapple                    | <i>Malus x 'Harvest Gold'</i>                        |                          |

|                                   |                                       |                   |
|-----------------------------------|---------------------------------------|-------------------|
| Crabapple                         | <i>Malus x 'Snowdrift'</i>            |                   |
| Crabapple                         | <i>Malus coronaria</i>                |                   |
| Crape Myrtle                      | <i>Lagerstroemia indica x fauriei</i> | Muskogee          |
| Crape Myrtle                      | <i>Lagerstroemia x 'Miami'</i>        |                   |
| Crape Myrtle                      | <i>Lagerstroemia indica x fauriei</i> | Tuscarora         |
| Cotoneaster                       | <i>Cotoneaster</i>                    | Coral Beauty      |
| Cypress, false                    | <i>Chamaecyparis sp.</i>              | Gold Mops         |
| Cypress, Mediterranean            | <i>Cupressus sempervirens</i>         |                   |
| Cypress, Leyland                  | <i>Cupressus x leylandii</i>          |                   |
| Daphne                            | <i>Daphne caucasica</i>               | Summer Ice        |
| Dawn Redwood                      | <i>Metasequoia glyptostroboides</i>   |                   |
| Day-lily (before unfurling) [*]   | <i>Heemerocallis sp.</i>              | Green Flutter     |
| Day-lily (before unfurling) [*]   | <i>Heemerocallis sp.</i>              | Stella d'Oro      |
| Dogwood, Kousa                    | <i>Cornus kousa</i>                   | Kousa [*]         |
| Elm, American                     | <i>Ulmus americana</i>                |                   |
| Elm, Bosque                       | <i>Ulmus parvifolia</i>               |                   |
| Eucalyptus, Silver Dollar Gum [*] | <i>Eucalyptus polyanthemos</i>        |                   |
| Euonymus [*]                      | <i>Euonymus alatus</i>                | Compacta          |
| Fir                               | <i>Abies fraseri</i>                  |                   |
| Florida Pipestem                  | <i>Leucothoe populifolia</i>          |                   |
| Forsythia                         | <i>Forsythia</i>                      | Lynwood           |
| Forsythia                         | <i>Forsythia sp.</i>                  | Golden Bells      |
| Fragrant tea olive                | <i>Osmanthus fragrans</i>             |                   |
| Gardenia                          | <i>Gardenia radicans</i>              | Radicans          |
| Gardenia                          | <i>Gardenia jasminoides</i>           | Mystery           |
| Gardenia                          | <i>Gardenia jasminoides</i>           | Frostproof        |
| Gaura                             | <i>Gaura lindheimeri</i>              | Pink Fountain     |
| Gold-Dust Plant                   | <i>Aucuba japonica</i>                | Gold Dust         |
| Green Ash                         | <i>Fraxinus pennsylvanica</i>         |                   |
| Green Ash                         | <i>Fraxinus pennsylvanica</i>         | Georgia Gem       |
| Hardy Kiwi                        | <i>Actinidia arguta</i>               | Anna              |
| Hawthorn, Thornless [*]           | <i>Crataegus crus-galli</i>           | Inermis           |
| Hibiscus, Chinese                 | <i>Hibiscus rosa-sinensis</i>         | San Diego Red     |
| Holly                             | <i>Ilex x aquip</i>                   |                   |
| Holly                             | <i>Ilex x attenuata</i>               | East Palatka      |
| Holly, Chinese                    | <i>Ilex cornuta</i>                   | Needlepoint       |
| Holly, Foster                     | <i>Ilex x attenuata</i>               | Fosteri           |
| Holly, Gallberry                  | <i>Ilex glabra</i>                    | Densa             |
| Holly, Meservae                   | <i>Ilex meservae</i>                  | Blue Princess     |
| Holly, Nellie R. Stevens          | <i>Ilex</i>                           | Nellie R. Stevens |
| Holly, American                   | <i>Ilex opaca</i>                     |                   |
| Holly                             | <i>Ilex verticillata</i>              | Jim Dandy         |
| Holly                             | <i>Ilex verticillata</i>              | Red Sprite        |
| Holly, Japanese                   | <i>Ilex crenata</i>                   | Sky Pencil        |
| Honeylocust,                      | <i>Gleditsia tricanthos</i>           | Sunburst [*]      |
| Honeylocust,                      | <i>Gleditsia tricanthos</i>           | Skyline           |
| Indian Hawthorn                   | <i>Raphiolepis indica</i>             | Pink Lady         |
| Japanese Cleyera                  | <i>Ternstromia gymnanthera</i>        |                   |
| Japanese Mock-orange              | <i>Pittosporum tobira</i>             | Variegata         |
| Jasmine, Asiatic/Yellow Star      | <i>Trachelospermum asiaticum</i>      |                   |

|                          |   |                       |
|--------------------------|---|-----------------------|
| Jasmine, winter          | <i>Jasminum nudiflorum</i>                      |                       |
| Juniper, Bar harbour     | <i>Juniperus horizontalis</i>                   | Bar Harbour           |
| Juniper, Blue Pacific    | <i>Juniperus conferta</i>                       | Blue Pacific          |
| Juniper, Blue Rug        | <i>Juniperus horizontalis</i>                   | Blue Rug              |
| Juniper, Brodie          | <i>Juniperus virginiana</i>                     |                       |
| Juniper, Spartan         | <i>Juniperus chinensis</i>                      | Spartan               |
| Lantana                  | <i>Lantana camara</i>                           | Landmark Sunrise Rose |
| Lilac                    | <i>Syringa x 'Penda'</i>                        | Bloomerang            |
| London Plane Tree        | <i>Plantanus acerifolia</i>                     |                       |
| Loropetalum              | <i>Loropetalum chinensis</i>                    | Burgundy              |
| Loropetalum              | <i>Loropetalum chinensis</i>                    | Ruby                  |
| Magnolia                 | <i>Magnolia grandiflora</i>                     | Bracken Brown Beauty' |
| Magnolia                 | <i>Magnolia grandiflora</i>                     | Little Gem [*]        |
| Magnolia, Jane           | <i>Magnolia liliflora 'Nigra' x M. stellata</i> | Rosea                 |
| Maple, Autumn Blaze      | <i>Acer freemanii</i>                           | Jeffersred            |
| Maple, red               | <i>Acer rubrum</i>                              |                       |
| Maple, Red               | <i>Acer rubrum</i>                              | Red Sunset            |
| Maple, Red               | <i>Acer rubrum</i>                              | October Glory         |
| Maple, Silver [*]        | <i>Acer saccharinum</i>                         |                       |
| Maple, Sugar [*]         | <i>Acer saccharum</i>                           |                       |
| Maple, Sugar [*]         | <i>Acer saccharum</i>                           | Commemoration         |
| Nandina                  | <i>Nandina domestica.</i>                       | Firepower             |
| Ninebark [*]             | <i>Physocarpus opulifolius</i>                  | Summer Wine           |
| Oak, Southern Live       | <i>Quercus virginiana</i>                       |                       |
| Oak, Cathedral Live      | <i>Quercus virginiana</i>                       | SDLN [*]              |
| Oak, Northern Red        | <i>Quercus rubra</i>                            |                       |
| Oak, Nuttal              | <i>Quercus nuttallii</i>                        |                       |
| Oak, Shumard             | <i>Quercus shumardii</i>                        |                       |
| Ohio Buckeye             | <i>Aesculus glabra</i>                          |                       |
| Palm, Areca              | <i>Dypsis lutescens</i>                         |                       |
| Palm, Manila [*]         | <i>Adonidia merrillii</i>                       |                       |
| Palm, Alexander [*]      | <i>Archontophoenix alexandre</i>                |                       |
| Palm, Florida Thatch [*] | <i>Thrinax radiata</i>                          |                       |
| Palm, Spindle [*]        | <i>Hyophorbe verschaffeltii</i>                 |                       |
| Pear, Callery            | <i>Pyrus calleryana</i>                         | Chanticleer           |
| Pear, Callery            | <i>Pyrus calleryana</i>                         | Bradford              |
| Pieris,                  | <i>Pieris japonica</i>                          | Shojo                 |
| Pine, Canary Island      | <i>Pinus canariensis</i>                        |                       |
| Pine, Eastern White      | <i>Pinus strobus</i>                            |                       |
| Pine, Scotch             | <i>Pinus sylvestrus</i>                         |                       |
| Pistache, Texas          | <i>Pistacia texana</i>                          |                       |
| Plum, Crimson Pointe     | <i>Prunus x cerasifera</i>                      | Cipriozam             |
| Podocarpus               | <i>Podocarpus macrophyllus</i>                  |                       |
| Privet,                  | <i>Ligustrum sp.</i>                            |                       |
| Redbud, Eastern          | <i>Cercis canadensis</i>                        | MN Strain             |
| Redbud,                  | <i>Cercis reniformis</i>                        | Oklahoma              |
| Rhododendron,            | <i>Rhododendron x crete</i>                     |                       |
| Rose                     | <i>Rosa wichurana</i>                           | Dr. Huey              |
| Rose                     | <i>Rosa sp.</i>                                 | [Pink Knock Out®]     |

|                          |                                 |              |
|--------------------------|---------------------------------|--------------|
| Rose                     | <i>Rosa sp.</i>                 | [Knock Out®] |
| Rose, Virginia           | <i>Rosa virginiana</i>          |              |
| Rose Mallow              | <i>Hibiscus moscheutos</i>      |              |
| Rose of Sharon           | <i>Hibiscus syriacus</i>        | Pink Heart   |
| Rose of Sharon           | <i>Hibiscus syriacus</i>        | Boule de Feu |
| Russian Sage             | <i>Perovskia atriplicifolia</i> |              |
| Skip Laurel,             | <i>Prunus laurocerasis</i>      |              |
| Snowberry, common        | <i>Smyphoricarpos albus</i>     |              |
| Spicebush,               | <i>Lindera benzoin</i>          |              |
| Spruce, Blackhills       | <i>Picea glauca</i>             |              |
| Spruce, Norway           | <i>Picea abies</i>              |              |
| Tamarisk [*]             | <i>Tamarix ramosissima</i>      | Pink Cascade |
| Taxus (Yew) [*]          | <i>Taxus cuspidata</i>          | Capitada     |
| Thin-fruit Sedge         | <i>Carex flaccosperma</i>       |              |
| Viburnum, Burkwood       | <i>Viburnum x burkwoodii</i>    |              |
| Virbunum                 | <i>Virbunum lantana</i>         | Mohican      |
| Viburnum, popcorn        | <i>Viburnum plicatum</i>        | Popcorn      |
| Wax myrtle, southern     | <i>Myrica cerifera</i>          |              |
| Weigelia, variegated [*] | <i>Weigelia variegata</i>       |              |

[\*Not Registered for Use by California.]

**DO NOT use AR3127.102 on any of these plants, as injury will occur:**

| Common Name                  | Scientific Name                 |
|------------------------------|---------------------------------|
| Blue Fescue Grass            | <i>Festuca glauca</i>           |
| Columbine[*]                 | <i>Aquilegia canadensis</i>     |
| Coneflower[*]                | <i>Echinacea purpurea</i>       |
| Croton                       | <i>Codiaeum variegatum</i>      |
| Dianthus[*]                  | <i>Dianthus sp.</i>             |
| Euonymus, Japanese[*]        | <i>Euonymus japonicus</i>       |
| Fountain Grass               | <i>Pennisetum alopecuroides</i> |
| Fountain Grass, purple       | <i>Pennisetum setaceum</i>      |
| Golden Dewdrops[*]           | <i>Duranta erecta</i>           |
| Hydrangea                    | <i>Hydrangea macrophylla</i>    |
| Ixora[*]                     | <i>Ixora coccinea</i>           |
| Lavender, Munstead[*]        | <i>Lavandula angustifolia</i>   |
| Lilyturf[*]                  | <i>Liriope sp.</i>              |
| Mint[*]                      | <i>Mentha sp.</i>               |
| Mondo Grass[*]               | <i>Ophiopogon japonicus</i>     |
| Muhlygrass[*]                | <i>Muhlenbergia capillaries</i> |
| Plumbago[*]                  | <i>Plumbago spp.</i>            |
| Sage[*]                      | <i>Salvia spp</i>               |
| Sweet Viburnum               | <i>Viburnum odoratissimum</i>   |
| Tickseed, Dwarf mouse-ear[*] | <i>Coreopsis auriculata</i>     |
| Weigela                      | <i>Weigela spp.</i>             |

## CONIFERS AND CHRISTMAS TREES

**AR3127.102** may be used for pre-emergence weed control in conifer nurseries and Christmas tree farms.

| Application Method   | AR3127.102 Use Rate (fl. oz./acre) | Application Instructions  |
|--|------------------------------------|---|
| Directed Spray   | 2.8 - 5.8                          | <b>AR3127.102</b> may be applied as a directed spray to soil surrounding established plants. Avoid contacting plant stems and leaves with the directed spray solution as injury may occur. Established plants are transplants that are actively growing and where the soil has settled. Apply 2.8 - 5.8 fl. oz. of <b>AR3127.102</b> per acre for these uses. |
| <b>AR3127.102</b> may be tank-mixed with products containing the following active ingredients labeled for use in conifers: glyphosate or glufosinate<br><br>DO NOT apply tank-mixes of <b>AR3127.102</b> with these active ingredients to conifer and Christmas tree foliage. Follow use restrictions on all labels.<br><br>It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture. |                                    |   |
| <b>Use Restrictions:</b> <ul style="list-style-type: none"><li>• <b>DO NOT</b> apply to seedlings or seedling beds.</li><li>• <b>DO NOT</b> exceed 6.8 fl. oz. (0.088 lb. ai) of <b>AR3127.102</b> per acre per year.</li></ul>  |                                    |   |

## SPRAYER CLEANUP PROCEDURE

Before and after using **AR3127.102**, thoroughly clean all mixing and spray equipment, including tanks, pumps, lines, filters, screens, and nozzles with a good quality tank cleaner on an approved rinse pad or on the field site where an approved crop is being grown. Clean sprayer thoroughly after each use and before **AR3127.102** residue dries in the equipment. Proper PPE must be worn while cleaning.

1. Completely drain all remaining spray solution from the tank in an appropriate location.
2. Clean the sprayer using a commercially available tank cleaner following the use instructions provided by the manufacturer. A rotating cleaning nozzle may be beneficial to dislodge any product from the sides of the tank.
3. Drain all cleaning solution from the tank and lines in an appropriate location.
4. Rinse the tank and flush spray booms with clean water to remove the cleaning solution.
5. Remove, clean, and inspect filters, screens, nozzles, and boom end caps if equipped to ensure that no product remains.
6. Rinse the inside and outside of the spray tank and all lines once more with clean water.
7. Drain all rinse solution in an appropriate location.

If any **AR3127.102** is left in the spray equipment and subsequently applied to another crop, it has the potential to cause injury to that crop.

### ROTATIONAL CROP RESTRICTIONS

**AR3127.102** is intended for use in perennial tree and vine crops listed in this label and for non-crop farmstead uses. DO NOT rotate to any other crops not listed on this label within 36 months after the last application of **AR3127.102**, unless otherwise stated in the label. Planting earlier than this may result in crop injury or crop loss.

[In CA: If a crop is not on this label, a bioassay should be conducted prior to planting if **A3127.102** has been used in the previous 36 months. A successful field bioassay means growing a test strip or several plots of the intended crop from seed or transplant to maturity without any observed herbicide symptoms. The test should be conducted in representative areas across the field that includes knolls, low areas, field edges, and changes in soil texture. The rotational crop interval must be extended if the field bioassay does not result in acceptable crop tolerance.]

Labeled citrus crops may be transplanted into soil previously treated with **AR3127.102** 1 month or more after the last application provided potted trees (such as citripots) are used.

New orchards of labeled pome and stone fruit, tree nut, and olive may be established in a location previously treated with **AR3127.102** 1 year after application. Grape vineyards may be established in a location previously treated with **AR3127.102** 2 years after application. In labeled pome and stone fruit, tree nuts, grapes, and olive previously treated soil must be thoroughly mixed to a depth of at least 6 inches prior to planting. This may be done through any combination of tillage operations such as ripping, disking, or plowing.

If other herbicides have also been used, follow the most restrictive label for the crop rotation interval.

## 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. Store in original container and out of reach of children, preferably in a locked storage area.

**PESTICIDE DISPOSAL:** Pesticide spray mixture or rinsate that cannot be used must 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:

**[Nonrefillable container.** Do not reuse or refill this container. If empty: Offer for recycling if available or discard in a sanitary landfill. If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.]

**[For plastic containers ≤ 5 gallons: 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 and drain for 10 seconds after the flow begins to drip. 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 other procedures allowed by state and local authorities.]

**[For plastic containers > 5 gallons: 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. Recap and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, 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. To the extent consistent with applicable law, 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.

[AR3127.102 is a trademark of Atticus, LLC.]

[Alion® is a registered trademark of Bayer.]

[Pink Knockout® and Knockout® are registered trademarks of Star Roses and Plants]

**{LANGUAGE ON LABEL AFFIXED TO CONTAINER}**

INDAZIFLAM GROUP 29 HERBICIDE

**AR3127.102<sup>TM</sup>**

[Alternate Brand Name: *Winola Herbicide*]

[Contains Indaziflam, the active ingredient used in Alion® [Herbicide]].

[For Preemergent Weed Control in Blueberry (Highbush) and other Bushberry Subgroup Crops in 13-07B; Caneberry and other Caneberry Subgroup Crops in 13-07A; Citrus Groves; Coffee; Grasses Grown for Seed; Fruit, Small, Vine Climbing, Except Fuzzy Kiwifruit Subgroup 13-07F; Hops; Pome Fruit Crop Group 11-10; Stone Fruit Crop Group 12-12; Sugarcane; Tree Nuts Crop Group 14-12; Tropical and Subtropical, Edible Peel, Crop Group 23; Tropical and Subtropical, Inedible Peel, Crop Group 24; Ornamentals; Christmas Trees; and Conifer Plantations.]

|                                 |                      |
|---------------------------------|----------------------|
| <b>ACTIVE INGREDIENT:</b>       | <b>(% by weight)</b> |
| Indaziflam*.....                | 19.05%               |
| <b>OTHER INGREDIENTS:</b> ..... | <b>80.95%</b>        |
| <b>TOTAL</b> .....              | <b>100.0%</b>        |

\*CAS No: 730979-19-8

Contains 1.67 pounds of indaziflam per gallon.

**KEEP OUT OF REACH OF CHILDREN  
CAUTION/PRECAUCIÓN**

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 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 mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further 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 person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</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>NOTE TO PHYSICIAN:</b> No specific antidote is available. Treat symptomatically.  |  |
| 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 swallowed, absorbed through the skin or inhaled. Avoid contact with skin, eyes, or clothing. Avoid breathing spray mist. 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:** This product is toxic to fish, aquatic invertebrates, and plants. DO NOT apply directly to water, or to areas where surface water is present or to intertidal areas below the mean watermark. DO NOT contaminate water when disposing of equipment rinsate or washwater. This product may enter water through spray drift or runoff. Follow directions for use to avoid spray drift and runoff. A level well maintained vegetative buffer strip between areas to which this product is applied and surface water features including ponds, streams, and springs will reduce the potential of this product entering water from rainfall-runoff. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours. **Surface Water Advisory:** This pesticide may impact surface water quality due to runoff of rainwater. This is especially true for poorly draining soils with shallow ground water. This product is classified as having high potential for reaching surface water via runoff for several months or more after application. **Ground Water Advisory:** This pesticide has properties and characteristics associated with chemicals detected in ground water. This chemical may leach into ground water if used in areas where soils are permeable, particularly where the water table is shallow.

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

[AR3127.102 is not manufactured, or distributed by Bayer CropScience, seller of Alion®].

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

**EPA Reg. No.: 91234-XX**  
**EPA Est. No.:** \_\_\_\_\_  
**NET CONTENTS:** \_\_\_\_\_

{Optional Marketing Graphics}

