



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

EPA Reg. Number:

2749-635

Date of Issuance:

6/8/23

NOTICE OF PESTICIDE:

Registration  
 Reregistration  
(under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

AG35814 C 8.5SL Insecticide

Name and Address of Registrant (include ZIP Code):

John F. Wright  
Authorized Representative for Aceto Life Sciences, LLC  
Product & Regulatory Assoc, LLC  
8595 Collier Blvd., Suite 107-51  
Naples, FL 34114

**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 unconditionally registered in accordance with FIFRA section 3(c)(5) provided that you:

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

*Continues page 2*

Signature of Approving Official:

Venus Eagle, Product Manager 01  
Invertebrate and Vertebrate Branch 3,  
Registration Division

Date:

6/8/23

2. Make the following label changes before you release the product for shipment:
  - Revise the EPA Registration Number to read, “EPA Reg. No. 2749-635.”
3. 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 these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. 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 06/26/2022
- Alternate CSFs 1 - 7 dated 06/26/2022

If you have any questions, please contact Ralph Narain at 202-566-2853 or at [Narain.Ralph@epa.gov](mailto:Narain.Ralph@epa.gov).

Enclosure: Stamped label

[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.]

[Alternate Brand Name: ARCTURUS STAR™ INSECTICIDE]

{BOOKLET FRONT PANEL LANGUAGE}

ACETAMIPRID	GROUP	<b>4A</b>	INSECTICIDE
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## AG35814 C 8.5SL Insecticide

For Agricultural Use Only

<b>Active Ingredient:</b>	%w/w
Acetamiprid, (E)- N <sup>1</sup> -[(6-chloro-3-pyridyl)methyl]-N <sup>2</sup> -cyano-N <sup>1</sup> -methyl acetamidine.....	8.5%
<b>Other Ingredients:</b> .....	<b>91.5%</b>
<b>Total</b> .....	<b>100.0%</b>

Contains 0.76 pounds of acetamiprid per gallon.

See inside label booklet for First Aid, additional Precautionary Statements and Directions for Use including Storage and Disposal instructions.

### KEEP OUT OF REACH OF CHILDREN CAUTION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

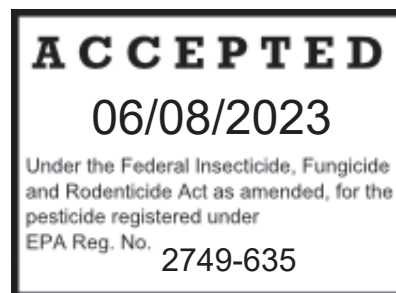
**EPA Reg. No.: 2749- AGL**  
**EPA Est. No.:**

**Net Weight:**

Read "DISCLAIMER AND NOTICE" before buying or using. If terms are not acceptable, return at once unopened.

**Manufactured for:**  
Aceto Life Sciences, LLC  
4 Tri Harbor Court  
Port Washington, NY 11050

[PEEL BACK BOOK HERE AND RESEAL AFTER OPENING  ]



## {LANGUAGE INSIDE BOOKLET}

FIRST AID	
<b>If swallowed:</b>	<ul style="list-style-type: none"><li>• Immediately call a poison control center or doctor for treatment advice.</li><li>• <b>DO NOT</b> induce vomiting unless told to do so by a poison control center or doctor.</li><li>• Have person sip a glass of water if able to swallow.</li><li>• <b>DO NOT</b> give anything by mouth to an unconscious person.</li></ul>
<b>If on skin or clothing:</b>	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>If in eyes:</b>	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.</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 treatment advice.</li></ul>
<b>NOTE TO PHYSICIAN:</b> There is no specific antidote. All treatment should be based on observed signs and symptoms of distress in the patient. Overexposure to materials other than this product may have occurred.	
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor or going for treatment. FOR MEDICAL EMERGENCIES INVOLVING THIS PRODUCT, CALL CHEMTREC® TOLL FREE 1-800-424-9300 or 1-703-527-3887 (24 Hours per Day, 7 Days per Week).	

FOR CHEMICAL SPILL, LEAK, FIRE, EXPOSURE OR MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL CHEMTREC® TOLL FREE 1-800-424-9300 or 1-703-527-3887 (24 Hours per Day, 7 Days per Week).

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS and DOMESTIC ANIMALS

**CAUTION:** Harmful if swallowed, absorbed through skin or inhaled. Avoid contact with eyes, skin or clothing. Avoid breathing vapors or spray mist. Keep out of reach of children and domestic animals.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Mixers, loaders, applicators, and other handlers must wear:

- Long-sleeved shirts and long pants,
- Shoes plus socks,
- Chemical resistant gloves made of the following: nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, barrier laminate, polyvinyl chloride (PVC) ≥ 14 mils, butyl rubber ≥ 14 mils, or viton ≥ 14 mils,

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. **DO NOT** reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If there are no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations
<b>Users should:</b> <ul style="list-style-type: none"><li>• Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.</li><li>• Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.</li><li>• Remove PPE immediately after handling this product. Wash the outside of glove before removing. As soon as possible, wash thoroughly and change into clean clothing.</li></ul>

## ENVIRONMENTAL HAZARDS

This product is toxic to birds and aquatic invertebrates. This product is moderately toxic to bees and other pollinating insects exposed to direct treatment or to residues in/on blooming crops or weeds. Protect pollinating insects by following label directions intended to minimize drift and to reduce risk to these organisms. **DO NOT** apply this product while bees are foraging in the treatment area. Risk to managed bees and native pollinators from contact with pesticide spray or residues can be minimized when applications are made at dawn or dusk or when temperature is below 55°F at the site of application. **DO NOT** apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. **DO NOT** contaminate water when disposing of equipment washwater or rinsate. **DO NOT** contaminate water used for irrigation or domestic purposes.

## GROUND WATER ADVISORY

This chemical 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.

## SURFACE WATER ADVISORY

This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and 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. Avoid accidental or intentional application of this product to ditches, swales, drainage ways or impervious surfaces including driveways. Runoff of this product to surface water will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours.

## ENDANGERED SPECIES NOTICE

Under the Endangered Species Act, it is a Federal offense to use any pesticide in a manner that results in the death of a member of an endangered species. This product may have effects on endangered species. When using this product, you must follow the measures contained in the Endangered Species Protection Bulletin for the county in which you are applying the product. To obtain Bulletins, no more than six months before using this product, consult <http://www.epa.gov/espp/> or call 1-800-447-3813. You must use the Bulletin valid for the month in which you will apply the product.

## DIRECTIONS FOR USE

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

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

### 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, including plants, soil, or water, is

- coveralls,
- chemical resistant gloves made of the following: nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, barrier laminate, polyvinyl chloride (PVC) ≥ 14 mils, butyl rubber ≥ 14 mils, or viton ≥ 14 mils and
- shoes plus socks.

### **COMPATIBILITY/TANK MIXING**

This product, when diluted with an equal volume of water, is physically compatible with a wide range of commonly used spray products, but the full range of compatibilities under local conditions is not known. Therefore, it is essential that before using this product in any tank mixture the compatibility of the mixture be established. Conduct a jar test prior to tank mixing. Add a small amount of this product to an equal volume of water in a small container and mix thoroughly, then add the other pesticide or spray product and mix thoroughly. **DO NOT USE MIXTURES THAT CURDLE, PRECIPITATE, OR GREASE. FOR BEST RESULTS, USE SPRAY MIXTURES IMMEDIATELY AFTER MIXING WITH ADEQUATE AGITATION.**

**It is the pesticide user's responsibility to ensure that all products in a tank mix are registered for the intended use. Read and follow the applicable restrictions and limitations and direction 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 and Application Instructions for AG35814 C 8.5SL Insecticide.**

This product is a liquid solution formulation that is readily miscible with water to form a spray, which may be applied by ground or air.

1. Plan ahead. Prepare only enough spray mixture as can be applied on the day of mixing.
2. Fill tank  $\frac{1}{4}$  -  $\frac{1}{2}$  full with the required amount of total spray volume of water.
3. Begin agitation and add product. The jug should be given a good hard shake to fluff the product before measuring. When pouring into the measuring cone, **DO NOT** tamp down. The cone is calibrated for the fluffed product.
4. Continue to fill tank while directing a stream of water onto any floating product.
5. Allow mixing in tank for 2 minutes after filling or until thoroughly mixed before applying.
6. Maintain continuous agitation during mixing and application to assure uniform suspension. If mixture sits without agitation for extended periods, agitate the mixture for at least 10 minutes before use.
7. Equip spray system with a 50-mesh inline filter, which will protect nozzles that are typically used. Nozzles may also be equipped with 50-mesh nozzle filters or 25 to 50 mesh (equivalent) slotted nozzle filters.
8. This product is unstable in water with pH below 4 and above 9. If necessary, buffer water to obtain optimum pH range.

### **Special Instructions for Tank Mixing This Product**

When tank mixing this product with other products, introduce the products into the tank in the following order: (1) water soluble packets, (2) wettable powders, (3) water dispersible granules, (4) flowable liquids, (5) solution liquids (including AG35814 C 8.5SL Insecticide), (6) emulsifiable concentrates, and (7) adjuvants and/or oils (**DO NOT** use stickers). Always allow each product to fully disperse before adding the next product.

### **DIRECTIONS FOR CHEMIGATION**

#### **Generic Requirements**

1. Apply this product only through the following types of systems: sprinkler including center pivot, lateral move, end tow, side (wheel) roll, traveler, solid set, or hand move; flood (basin); or drip trickle irrigation systems. **DO NOT** apply this product through any other type of irrigation system.
2. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.
3. If you have questions about calibration, you should contact State Extension Service specialists,

- equipment manufacturers or other experts.
4. **DO NOT** connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.
  5. A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

#### **Specific Requirements for Chemigation Systems Connected to Public Waters Systems**

1. Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.
2. Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone (RPZ), backflow preventer or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.
3. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back towards the injection pump.
4. The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being drawn from the supply tank when the irrigation system is either automatically or manually shut down.
5. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.
6. Systems must use a metering pump, such as a positive displacement injection pump (e.g. diaphragm pump), effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
7. **DO NOT** apply when wind speed favors drift beyond the area intended for treatment.

#### **Non-Specific Requirements**

1. Remove scale, pesticide residue, and other foreign matter from the chemical tank and entire injector system. Flush with clean water.
2. Prepare a suspension of product in the mix tank or stock bucket. Fill the tank with 3/4 of the desired amount of water. Start agitation and add the required amount of product to the solution along with the remaining volume of water.
3. Maintain a gentle agitation in the mix tank during application to assure a uniform suspension. Follow mixing instructions and tank mixing instructions previously indicated.
4. Start system and then uniformly inject the suspension of AG35814 C 8.5SL Insecticide into the irrigation line so as to deliver the required rate per acre. Allow sufficient time for pesticide to be flushed through all lines and all nozzles before turning off irrigation system.
5. Greater accuracy in calibration and distribution will be achieved by injecting a larger volume of a more dilute suspension per unit time.
6. The suspension of AG35814 C 8.5SL Insecticide should be injected with a positive displacement pump into the mainline ahead of a right angle turn to insure adequate mixing.

#### **Sprinkler (Overhead) Chemigation**

Observe all instructions in the Generic Requirements, Specific Requirements for Chemigation Systems Connected to Public Water Systems and Non-Specific Requirements sections above and the following additional requirements:

1. The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
2. The irrigation line or water pump must include a functional pressure switch, which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.



Set sprinkler system to deliver 1/10 to 1/4 inches of water per acre. Volumes of water higher than this may reduce efficacy. Application of more than specified quantities of irrigation water per acre may result in decreased product performance. Where sprinkler distribution patterns **DO NOT** overlap sufficiently, unacceptable insect control may result.

When system connections or fittings leak, when nozzles **DO NOT** provide uniform distribution or when lines containing the product cannot be flushed and must be dismantled and drained in a center pivot system, block the nozzle set nearest the well pivot injection unit to prevent spray being applied to this area. Allow sufficient time for pesticides to be flushed through all lines and all nozzles before turning off irrigation water.

#### **Drip (trickle, spaghetti tube) Chemigation**

Follow all instructions in the Generic, Requirements Specific Requirements for Chemigation Systems Connected to Public Water Systems and Non-Specific Requirement.

### **DIRECTIONS FOR AERIAL AND GROUND SPRAY APPLICATION**

#### **SENSITIVE AREAS**

The pesticide should only be applied when the potential for drift to adjacent sensitive areas (e.g., residential areas, bodies of water, known habitat for threatened or endangered species, non-target crops and areas where bees are foraging) is minimal (e.g., when wind is blowing away from the sensitive areas). **DO NOT** cultivate or plant crops within 10 feet of aquatic areas to allow growth of a vegetative filter strip.

**DO NOT** apply by ground within 25 feet of aquatic habitats (including but not limited to lakes, reservoirs, rivers, streams, marshes, ponds, estuaries, and commercial fish ponds).

**DO NOT** apply by air within 125 feet of aquatic habitats (including but not limited to lakes, reservoirs, rivers, streams, marshes, ponds, estuaries, and commercial fish ponds).

#### **SPRAY DRIFT**

#### **THE APPLICATOR IS RESPONSIBLE FOR PREVENTING SPRAY DRIFT FROM THE TARGET AREA. BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.**

The interaction of many equipment and weather related factors determines the potential for spray drift. The applicator is responsible for considering all of these factors when making decisions. Where states have more stringent regulations, they must be observed.

Weather and equipment are the predominant factors in determining spray drift, and applications must not be made when weather conditions or equipment settings/function may lead to drift outside of the intended application area. Use nozzle and pressure combinations that distribute MEDIUM spray droplets (see nozzle manufacturer's catalogs and ASAE Standard S-572) when applying this product by air. Aerial applications must NOT be made during temperature inversions or when wind speed is greater than 10 mph in order to avoid spray drift.

The following drift management requirements must be followed to avoid off-target movement from aerial applications to agricultural crops. These requirements **DO NOT** apply to forestry applications, public health uses or to applications using dry formulations.

1. The distance of the outer most nozzles on the boom must not exceed 3/4 the length of the wingspan or rotor.
2. Nozzles must always point backward parallel with the air stream.

Where states have more stringent regulations, they must be observed. The applicator should be familiar with and take into account the information covered in the "Aerial Drift Reduction Advisory" section.

#### **AERIAL DRIFT REDUCTION ADVISORY**

[This section is advisory in nature and does not supersede the mandatory label requirements.]



## DROPLET SIZE

The most effective way to reduce drift potential is to apply MEDIUM droplets. The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. Applying larger droplets reduces drift potential, but will not prevent drift if applications are made improperly, or under unfavorable environmental conditions (See “Wind”, “Temperature and Humidity”, and “Temperature Inversions” sections).

- Volume: Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.
- Pressure: **DO NOT** exceed the nozzle manufacturer’s recommended pressures. For many nozzle types lower pressure produces larger droplets. When higher flow rates are needed, use higher flow rate nozzles instead of increasing pressure.
- Nozzles:
  1. Use the minimum number of nozzles that provide uniform coverage.
  2. Orienting nozzles so that the spray is released parallel to the airstream produces larger droplets than other orientations and is the recommended practice. Significant deflection from horizontal will reduce droplet size and increase drift potential.
  3. Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles. Solid stream nozzles oriented straight back-produce the largest droplets and the lowest drift.

## BOOM LENGTH

For some use patterns, reducing the effective boom length to less than 3/4 of the wingspan or rotor length may further reduce drift without reducing swath width.

## APPLICATION HEIGHT

Applications should not be made at a height greater than 10 feet above the top of the target plants unless a greater height is required for aircraft safety. Making applications at the lowest height that is safe reduces exposure of droplets to evaporation and wind.

## SWATH ADJUSTMENT

When applications are made with a crosswind, the swath will be displaced downwind. Therefore, on the up and downwind edges of the field, the applicator should compensate for this displacement by adjusting the path of the aircraft upwind. Swath adjustment distance should increase, with increasing drift potential (higher wind, smaller drops, etc.).

## WIND

Drift potential is lowest between wind speeds of 2 - 10 mph. However, many factors, including droplet size and equipment type determine drift potential at any given speed. Application should be avoided below 2 mph due to variable wind direction and high inversion potential. NOTE: Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect spray drift.

## TEMPERATURE AND HUMIDITY

When making applications in low relative humidity, set up equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry.

## TEMPERATURE INVERSIONS

Applications should not occur during a temperature inversion because drift potential is high. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to the light variable winds common during inversions. Temperature inversions are characterized by increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source; or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while

smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

### **APPLICATION TIMING**

Begin application when insect populations reach recognized economic threshold levels. Consult the Cooperative Extension Service, Professional consultants or other qualified authorities to determine appropriate threshold levels for treatment in your area.

### **PRODUCT SPECIFIC USE DIRECTIONS**

This product is a 8.5% solution liquid for the control of the listed sucking and chewing insects on the agricultural crops listed in this label. The active ingredient in this product is acetamiprid, a neonicotinoid insecticide that controls target insects through contact and ingestion. This product is rapidly absorbed by the plant tissue and quickly moves via systemic translaminar activity to protect the entire leaf. However, thorough spray coverage is essential for optimal performance. This product is rain-fast once the spray solution has dried.

### **APPLICATION INSTRUCTIONS**

AG35814 C 8.5SL Insecticide\* is for Agricultural Use Only. This product is for use on the following crops grown in the field or in greenhouses (shadehouses, hoopouses or lathhouses) before the crop is transplanted: Ornamental Plants (including annual and perennial flowering plants, bedding plants, non-food foliage plants), Ornamental Deciduous and Evergreen Trees (seedlings, conifer seedlings, non-bearing fruit and nut trees), Shrubs and Listed Vegetable Transplants (Leafy vegetables, Fruiting vegetables, Cole crops vegetables, Cucurbit vegetables, Onion & other Bulb vegetables).

This product can also be use on Greenhouse Grown Tomatoes and on the following non-bearing\*\* propagated crops: strawberries, low growing berries, blueberries and other bush & caneberries.

\***DO NOT** apply to bearing fruit and nut trees.

\*This product is not for woodland or Forest management.

\*\*Non-bearing means crops that will not produce a harvestable raw product within 365 days from the day this product was applied.

For control of listed insect pests, apply either as foliar broadcast spray to obtain thorough and uniform spray coverage of the plants or via a basal bark or injection treatment. For foliar broadcast sprays, choose a finished spray volume appropriate for the size of the plants and amount of foliage which will provide thorough coverage throughout the canopy. Allow at least 6 hours after a foliar broadcast application before applying overhead irrigation of foliage. **DO NOT** allow anyone other than applicators to enter the treatment area during applications.

If more than one application will be made, refer to the Resistance Management section of this label for additional information.

### **FOR FOLIAR BROADCAST SPRAYS.**

Mix AG35814 C 8.5SL Insecticide with sufficient water and apply as a foliar spray to obtain thorough and uniform spray coverage of the plants. Choose a finished spray volume appropriate for the size of the plants and amount of foliage which will provide thorough coverage throughout the canopy. Apply as soon as insects reach treatment thresholds. See resistance management section if multiple sprays are needed.

AG35814 C 8.5SL Insecticide mixes quickly in water. This product has been found to be compatible with many commonly used surfactants, miticides and insecticides. Check physical compatibility prior to use, using the correct proportion of products when combining products without prior history of use.

Since plant varieties are numerous and constantly changing and may react differently at various sites, test the product and any tank mixes on a small scale before making large-scale applications if there is not local experience.

### **INTEGRATED PEST MANAGEMENT (IPM) USE OF THIS PRODUCT**

This product has ovicidal, larvicidal, or adulticidal activity against many pests which can be effectively utilized in IPM programs. Control of important pests coupled with retention of beneficial insects and

spiders can offer significant benefits to those producers utilizing integrated pest management programs.

## RESISTANT MANAGEMENT

For resistant management, AG35814 C 8.5SL Insecticide contains a Group 4A neonicotinoid class of insecticides. Any insect population may contain individuals naturally resistant to AG35814 C 8.5SL Insecticide and other Group 4A insecticides. The resistant individuals may dominate the insect population if this group of insecticides is used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

To delay insecticide resistance, take the following steps:

- Rotate the use of AG35814 C 8.5SL Insecticide or other Group 4A insecticides within a growing season, or among growing seasons, with different groups that control the same pests.
- Use tank mixtures with insecticides from a different group that are equally effective on the target pest when such use is permitted. **DO NOT** rely on the same mixture repeatedly for the same pest population. Consider any known cross resistance issues (for the targeted pests) between the individual components of a mixture. In addition, consider the following suggestions provided by the Insecticide Resistance Action Committee (IRAC):
  - Individual insecticides selected for use in mixtures should be highly effective and be applied at the rates at which they are individually registered for use against the target species.
  - Mixtures with components having the same IRAC mode of action classification are not advised for insect resistance management.
  - When using mixtures, consider any known cross-resistance issues between the individual components for the targeted pests.
  - Mixtures become less effective if resistance is already developing to one or both active ingredients, but they may still provide pest management benefits.
  - The insect resistance management benefits of an insecticide mixture are greatest if the two components have similar periods of residual insecticidal activity. Mixtures of insecticides with unequal periods of residual insecticidal activity may offer an insect resistance management benefit only for the period where both insecticides are active.
- Adopt an integrated pest management program for insecticides that includes scouting, uses historical information related to pesticide use, crop rotation, record keeping, and which considers cultural, biological, and other chemical control practices.
- Monitor after application for unexpected target pest survival. If the level of suggests the presence of resistance, consult with your local university specialist or certified pest control advisor.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM suggestions for the specific site and pest problems in your area.

**ORNAMENTAL AND FLOWERING PLANTS**

<b>CROPS</b>	<b>PESTS</b>	<b>Fluid Ounces (Pounds of AI) of AG35814 C 8.5SL Insecticide per 100 GALLONS</b>	<b>USE DIRECTIONS</b>
<p>Ornamental plants, deciduous and evergreen trees, shrubs, [and ornamental vines], annual and perennial flowering plants, grown outdoors, in nurseries, or in greenhouses, shadehouses, hoopouses, or lathhouses before crop is transplanted.</p> <p>Also, for ornamentals and flowering plants (grown outdoors, in nurseries and in greenhouses, shadehouses, hoopouses or lathhouses), bedding plants, flowers grown for cuttings, non-food foliage plants, potted flowering plants, ornamental trees and seedlings, conifer seedlings, non-bearing****fruit and nut tree.</p>	<p><b>Aphids</b>, including Green Peach, Woolly, Melon, and Cotton aphid <b>European pine sawfly</b> <b>Psyllids</b></p>	<p>4.0 fl. oz. (0.024 lb. ai)</p>	<p>Apply as a full coverage foliar spray with a non-ionic spreader-sticker adjuvant When mixing with surfactant treat a small area first to make sure the surfactant does not cause phytotoxicity.</p>
	<p><b>Tentiform leaf miner</b> <b>Mealybugs</b>, including Citrus, Obscure, Longtail, Pink Hibiscus, and Madeira mealybugs <b>Leafhoppers</b>, including Glassy Wing Sharpshooter and Potato Leaf Hopper</p>	<p>8.5 fl. oz. (0.05 lb. AI)</p>	<p>Tank mixing with a surfactant may improve the control of mealybugs Tank mixing with a surfactant or a pyrethroid may improve control of adult whiteflies. When mixing with surfactants, treat a small area first to make sure the surfactant does not cause phytotoxicity.</p>
	<p><b>Adelgids, Caterpillars</b>, including Gypsy Moth, Tobacco Bud Worm, Fall Army Worm, Southern Army Worm, Cabbage Looper, and Diamondback Moth <b>Hard and Soft Scales</b>, including Caribbean Black Scale, Pine Needle Scale, Green Shield Scale, San Jose Scale, Oyster Shell Scale, Tea Scale, Fletcher Scale, Florida Wax and Indian Wax Scales, Cottony Maple Scale, Euonymus Scale and Asian Cycad Scale <b>Plant bugs, Whiteflies</b>, including Banded, Giant, Greenhouse, Silverleaf and Sweet Potato</p>	<p>8.5 – 16.5** fl. oz. (0.05 – 0.098 lb. ai)</p>	
	<p><b>Swede Midge</b></p>	<p>8.5 – 16.5** fl. oz. (0.05 – 0.098 lb. AI)</p>	<p>Apply as a preventative spray to control the first generations if Swede Midge has been found in your area. Preventative applications will decrease the chance of quick population increases later in the season.</p>
	<p><b>Fungus gnat larvae</b> <b>Crane fly larvae</b></p>	<p>8.5 – 16.5** fl. oz. (0.05 – 0.098 lb. AI)</p>	<p>Apply as a directed spray to thoroughly wet the upper ½ to 1 inch of soil media</p>
	<p><b>Citrus thrips</b> <b>Other thrips</b>, including Cotton, Palm, and Western Flower thrips</p>	<p>12.5 – 25.3** fl. oz. (0.074 – 0.15 lb. AI)</p>	<p>Tank mixing with a surfactant will improve control. When mixing with surfactant treat a small area first to</p>

	<b>Leaf Eating Beetles</b> (adults), including Japanese Beetle, European Chafer and Oriental Beetle**; <b>Strawberry Weevils</b>		make sure the surfactant does not cause phytotoxicity.
	<b>Leaf miners</b> , including Chrysanthemum and Citrus Leaf Miner	21.0 – 25.3** fl. oz. (0.125 – 0.15 lb. AI)	Rotate or tank mix with Avid® 0.15 EC, EPA Reg. No. 100-896, Conserve™ SC Turf & Ornamental, EPA Reg. No. 62719-291, Pedestal™, EPA Reg. No. 53883-419-59804, Distance® IGR, EPA Reg. No. 59639-96, Enstar® II IGR, EPA Reg. No. 2724-476 or Talus® 40 SC IGD, EPA Reg. No. 71711-20-67690. Tank mixing with a surfactant may improve control. When mixing with surfactant treat a small area first to make sure the surfactant does not cause phytotoxicity.

\*\*Use the higher rate in the range when insect pressure is high.  
\*\*\*Non-bearing crops are perennial crops that will not produce a harvestable raw agricultural commodity within 365 days from application.

**USE RESTRICTIONS FOR ORNAMENTAL AND FLOWERING PLANTS**

- **DO NOT** make more than 4 applications per calendar year.
- **DO NOT** reapply more than once every 7 days. To determine if application is necessary, monitor pest densities. Consult local extension experts for thresholds.
- **DO NOT** apply more than 25.3 fl. oz. of AG35814 C 8.5SL Insecticide per acre (0.15 lb. ai/A) in a single application.
- **DO NOT** apply more than 92.5 fl. oz. of AG35814 C 8.5SL Insecticide per acre (0.55 lb. ai/A) per calendar year regardless of application method.
- **DO NOT** apply to bearing fruit & nut trees and propagated crops.

**NON-BEARING\*\*BLUEBERRIES AND OTHER BUSH AND CANE BERRIES** (within Crop Sub Groups 13 - 07A and 13 - 07B) Grown for Propagation

CROP	PEST	Fluid Ounces (Pounds of AI) of AG35814 C 8.5SL Insecticide per 100 GALLONS	USE DIRECTIONS
<b>BLUEBERRIES AND OTHER BUSH BERRIES</b> (within Crop Sub Group 13 07B) Aronia berry, blueberry [highbush and lowbush],	<b>Aphids</b> <b>Leafhoppers</b>	7.9 – 16.8 fl. oz. (0.047 – 0.10 lb. ai)***	Begin applications when treatment thresholds have been reached. Thorough coverage is important to
	<b>Whitefly</b>	12.6 – 16.8 fl. oz. (0.075 – 0.10 lb. ai)***	

buffalo currant, Chilean guava, currant red and black, elderberry, European barberry, gooseberry, cranberry [highbush], edible honeysuckle, huckleberry, jostaberry, Juneberry lingonberry, native currant, salal, sea buckthorn; cultivars, varieties and/or hybrids of these <b>CANE BERRIES</b> (within Crop Sub Group 13 07A) Blackberry, Loganberry, Raspberry (black and red), wild raspberry; cultivars, varieties and/or hybrids of these	<b>Japanese Beetle,          Blueberry Maggot,          Sap Beetles,          Tarnished Plant Bug,          Strawberry Rootworm,          Cranberry Fruitworm,          Cherry Fruitworm,          Flea Beetle,          Spanworm,          Thrips,          Blueberry Gall Midge,          Western Raspberry          Fruit Worm (adult)</b>	14.2 – 16.8 fl. oz. (0.084 – 0.10 lb. ai)***	obtain optimum control. Aphid and thrips species may differ in susceptibility to this product. If you are unsure of the aphid or thrips species present and its susceptibility use the higher rates within the listed rate range
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\*\*Non-bearing crops are perennial crops that will not produce a harvestable raw agricultural commodity within 365 days from application.

\*\*\*Use the higher rate in the range listed when insect pressure is high.

<p><b>RESTRICTIONS: Non-bearing**Blueberries and other Bush and Cane Berries</b> (within Crop Sub Groups 13 - 07A and 13 - 07B)</p> <ul style="list-style-type: none"> <li>• <b>DO NOT</b> make more than 5 applications per calendar year.</li> <li>• <b>DO NOT</b> apply more than once every 7 days.</li> <li>• <b>DO NOT</b> apply less than 1 day before harvest (PHI = 1 day).</li> <li>• <b>DO NOT</b> exceed a total of 84 fl. oz. of AG 35814 C 8.5SL Insecticide per acre (0.5 lb. ai) per acre per calendar year regardless of application method.</li> <li>• Only to be used on Non-Bearing Blueberries and other Vegetative Bush and Cane Berries (within crop Group 13-07A &amp; B) Grown for Propagation.</li> </ul>
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**NON-BEARING\*\*STRAWBERRIES AND OTHER LOW GROWING BERRIES** (within Crop Sub Group 13-07G) grown for propagation

CROP	PEST	Fluid Ounces (Pounds of AI) of AG35814 C 8.5SL Insecticide per 100 GALLONS	USE DIRECTIONS
STRAWBERRIES AND OTHER LOW GROWING BERRIES (within Crop Sub Group 13-	<b>Aphids            Leafhoppers            Spittlebug</b>	12.6 – 21.8 fl. oz. (0.075 – 0.129 lb. ai)***	Aphid and thrips species may differ in susceptibility to this product. If you are



07G) Bearberry, Bilberry, Lowbush Blueberry, Cloudberry, Cranberry, Lingonberry, Muntries, Partridgeberry; cultivars, varieties and/or hybrids of these	<b>Blueberry Maggot,  Spanworm,  Cherry Fruitworm,  Cranberry Fruitworm,  Flea Beetle,  Japanese Beetle,  Oblique Banded Leaf  Roller,  Plantbugs (Lygus spp),  Sap  Beetles Thrips,  Whiteflies,  Fireworm (suppression)  Gypsy Moth,  Sparganothis Fruitworm,  Cranberry Tipworm</b>	6.0 – 12.6 fl. oz. (0.036 – 0.075 lb. ai)***	unsure of the species present and its susceptibility use the higher rates within the listed rate range. Begin applications when treatment thresholds have been reached. Use the higher rates under conditions of heavy pest pressure. Thorough coverage is important to obtain optimum control.
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\*\*Non-bearing crops are perennial crops that will not produce a harvestable raw agricultural commodity within 365 days from application.

\*\*\*Use the higher rate in the range listed when insect pressure is high.

**RESTRICTIONS: NON-BEARING\*\*STRAWBERRIES AND OTHER LOW GROWING BERRIES (within Crop Sub Group 13-07G)**

- **DO NOT** exceed a total of 43.8 fl. oz. of AG 35814 C 8.5SL Insecticide (0.26 lb. ai) / A calendar year regardless of application method.
- **DO NOT** make more than 2 applications per calendar year.
- **DO NOT** apply more than once every 7 days.
- **DO NOT** apply less than 1 day before harvest (PHI = 1 day).
- **DO NOT** exceed 3 crops per calendar year.
- Only to be used on Non-Bearing Strawberries and other Low Growing Berries (within crop Group 13-07G) Grown for Propagation.

**VEGETABLE TRANSPLANTS (as listed below)**

CROP	PEST	Fluid Ounces (Pounds of AI) of 35814 C 8.5SL Insecticide per 100 GALLONS	USE DIRECTIONS
<b>VEGETABLE TRANSPLANTS (as listed below)</b>  <b>LEAFY VEGETABLES -</b> Amaranth, Arugula, Cardoon, Celery, Chinese Celery, Celtuce, Chervil, Chrysanthemum (edible leaved, garland), Corn Salad, Cress (garden, upland), Dandelion, Dock, Endive, Florence, Fennel, Lettuce (head, leaf), Orach, Parsley, Purslane (garden, winter), Radicchio, Rhubarb, Spinach (leaf, vine, New Zealand), Swiss Chard	<b>Aphids</b> , including Green Peach, Wooly, Melon, and Cotton aphid  <b>Psyllids</b>	4.0 fl. oz. (0.024 lb. ai)	Apply as a full coverage foliar spray with a non-ionic spreader-sticker adjuvant When mixing with surfactant treat a small area first to make sure the surfactant does not cause phytotoxicity.
	<b>Mealybugs</b> , including Citrus, Obscure, Longtail, Pink Hibiscus, and Madeira mealybugs  <b>Leafhoppers</b> , including Glassy Wing Sharpshooter and Potato Leaf Hopper	8.5 fl. oz. (0.05 lb. ai)	Tank mixing with a surfactant may improve the control of mealybugs. Tank mixing with a surfactant or a pyrethroid may improve control of adult whiteflies. When

<p><b>FRUITING VEGETABLES -</b> Eggplant, Groundcherry, Pepino, Pepper (Bell Pepper, Chili Pepper, Cooking Pepper, Pimento, Sweet Pepper), Tomatillo, Tomato</p> <p><b>COLE CROPS –</b> Broccoli, Chinese Broccoli (Gai Lon), Broccoli Raab (Rapini), Brussels Sprouts, Cabbage, Chinese Cabbage (Bok Choy, Napa), Chinese Mustard Cabbage (Gai Choy), Cavalo Broccoli, Cauliflower, Collards, Kale, Kohlrabi, Mizuna, Mustard Greens, Mustard Spinach, Rape Greens</p> <p><b>CUCURBITS –</b> Chayote (fruit), Chinese Waxgourd (Chinese Preserving Melon), Citron Melon, Cucumber, Gherkin, Gourd (edible), <i>Mormordica</i> spp., Muskmelon (hybrid and/or cultivars of <i>Cucumis melo</i>), Pumpkin, Squash (summer and winter), Watermelon</p> <p><b>ONIONS AND OTHER BULB VEGETABLES (within Crop Group 3-07) –</b> Chives, fresh leaves; Chinese chives, fresh leaves; daylily bulbs, Elegans hosta, Fritillaria leaves and bulbs; bulb garlic; great headed bulb garlic, serpent bulb garlic; kurrat; lady's leek; leek; wild leek; lily bulb; Beltsville bunching onion; bulb onion; Chinese bulb onion; fresh onion; green onion; macrostem onion; pearl onion; potato bulb onion; treetops onion; Welsh onion tops; shallot bulb and fresh leaves; and cultivars, varieties, and/or hybrids of these.</p>	<p><b>Caterpillars</b>, including Gypsy Moth, Tobacco Bud Worm, Fall Army Worm, Southern Army Worm, Cabbage Looper, and Diamondback Moth</p> <p><b>Hard and Soft Scales</b>, including Caribbean Black Scale, Pine Needle Scale, Green Shield Scale, San Jose Scale, Oyster Shell Scale, Tea Scale, Fletcher Scale, Florida Wax and Indian Wax Scales, Cottony Maple Scale, Euonymus Scale and Asian Cycad Scale</p> <p><b>Plant bugs, Whiteflies</b>, including Greenhouse, Sweet Potato, Silverleaf, Banded, and Giant</p>	8.5 – 16.5** fl. oz. (0.05 – 0.098 lb. AI)	mixing with surfactants, treat a small area first to make sure the surfactant does not cause phytotoxicity
	<p><b>Swede Midge</b></p>	8.5 – 16.5** fl. oz. (0.05 – 0.098 lb. AI)	Apply as a preventative spray to control the first generations if Swede Midge has been found in your area. Preventative applications will decrease the chance of quick population increases later in the season.
	<p><b>Fungus gnat larvae, Crane fly larvae</b></p>	8.5 – 16.5** fl. oz. (0.05 – 0.098 lb. AI)	Apply as a directed spray to thoroughly wet the upper ½ to 1 inch of soil media
	<p><b>Thrips</b>, including Citrus Cotton, Palm, and Western Flower thrips</p> <p><b>Leaf Eating Beetles</b> (adults), including Japanese Beetle, European Chafer and Oriental Beetle**;</p> <p><b>Strawberry Weevils</b></p>	12.5 – 25.3** fl. oz. (0.074 – 0.15 lb. AI)	Tank mixing with a surfactant will improve control. When mixing with surfactant treat a small area first to make sure the surfactant does not cause phytotoxicity.
	<p><b>Leaf miners</b>, including Chrysanthemum and Citrus Leaf Miner</p>	21.0 – 25.3** fl. oz. (0.125 – 0.15 lb. AI)	Tank mixing with a surfactant may improve control. When mixing with surfactant treat a small area first to make sure the surfactant does not cause phytotoxicity.
<p>**Use the higher rate within the range listed when insect pressure is high.</p>			
<p><b>USE RESTRICTIONS FOR VEGETABLE TRANSPLANTS:</b></p> <ul style="list-style-type: none"> <li>• Apply only to listed vegetables being grown as transplants and before transplants are sold.</li> <li>• <b>DO NOT</b> make more than 1 application per crop prior to transplanting.</li> <li>• <b>DO NOT</b> apply more than 25.3 fl. oz. of AG 35814 C 8.5SL Insecticide (0.15 lb. a.i.) per acre per crop.</li> <li>• <b>DO NOT</b> apply more than 92.5 fl. oz. of AG35814 C 8.5SL Insecticide per acre (0.55 lb. a.i.) per calendar year regardless of application method of any product containing acetamiprid on any outdoor field or in any greenhouse, shadehouse, or lathhouse.</li> </ul>			

- **DO NOT** harvest for food use within seven days following the last application (PHI = 7 days).
- For vegetable transplants, the total maximum seasonal a.i. use rate for each crop, including pre-transplant applications, cannot exceed the maximum post-transplant seasonal a.i. use rate for each respective crop..

**TOMATOES, GROWN IN GREENHOUSES (mature plants only)**

Apply AG 35814 C 8.5SL Insecticide to mature tomatoes grown ONLY in non-soil media (such as perlite, rockwool, or vermiculite) in greenhouses to control listed pests. While this product has shown good safety for use on many varieties of tomatoes, some cultivars may exhibit sensitivity. Therefore, conduct a test on a few plants prior to treating the entire greenhouse. AG 35814 C 8.5SL Insecticide may be applied by injection into drip-irrigation or micro-irrigation (spaghetti tube or emitter) systems, or by hand-held or motorized calibrated or motorized calibrated irrigation equipment directed to the plant roots.

CROP	PEST	Fluid Ounces (Pounds of AI) of AG35814 C 8.5SL Insecticide Per 1000 Plants	USE DIRECTIONS
Greenhouse-grown tomatoes (mature plants)	Whiteflies Psyllids Thrips Aphids	1.25 fl. oz. (0.007 lb. AI)	Make the application when insect pressure exceeds threshold levels.
<b>Greenhouse-grown Tomatoes Use Restrictions</b>			
<ul style="list-style-type: none"> <li>• <b>DO NOT</b> make more than one (1) application per crop regardless of application method.</li> <li>• <b>DO NOT</b> apply less than one (1) day before harvest (PHI = 1 day).</li> <li>• <b>DO NOT</b> exceed a total of 0.075 lb. ai/acre/crop based on 10,000 plants per acre.</li> <li>• <b>DO NOT</b> exceed a total of 0.225 lb. ai/acre/calendar year based on 10,000 plants per acre.</li> </ul>			

**FOR BASAL BARK TREATMENT OF ORNAMENTAL OR NON-BEARING FRUIT AND NUT TREES**

AG 35814 C 8.5SL Insecticide may be applied as an external basal bark application to ornamental and non-bearing fruit and nut trees for control of borers (including Flathead Apple Borer but excluding Emerald Ash Borers or Asian longhorned beetles), scale insects (including Calico Scale, Gloomy Scale, Azalea Bark Scale) and Hemlock Woolly Adelgids. This application involves wetting the bark of the tree starting from a height of approximately 8 feet downwards to the exposed root flair with a directed spray to completely wet the application area. Depending on the specific bark characteristics, use 3-4 fl. oz. of spray per inch Diameter Breast Height (DBH at 4.5 feet) of the intended target.

This product may be applied as a basal bark treatment in cases where spray application is not feasible (for example in environmentally sensitive or difficult to reach areas).

Use the following table to determine the mix ratios for volumes smaller than 100 gallons.

**Conversion Guide for Small Volume (less than 100 gallon) Application Equipment**

Label Rates Fluid Ounces (Pounds AI) of AG35814 C 8.5SL Insecticide per 100 Gallons	Millimeters of AG35814 C 8.5SL Insecticide (mL) per 100 Gallons	Milliliters (mL) AG35814 C 8.5SL per Volume			
		3 Gal Tank	5 Gal Tank	10 Gal Tank	25 Gal Tank
4.0 fl. oz. (0.024 lb. AI)	120	3.6	6.0	12.0	30.0
8.5 fl. oz. (0.05 lb. AI)	250	7.5	12.5	25.0	62.5
12.5 fl. oz. (0.074 lb. AI)	370	11.1	18.5	37.0	92.5

16.5 fl. oz. (0.098 lb. AI)	490	14.7	24.5	49.0	122.5
21.0 fl. oz. (0.125 lb. AI)	630	18.9	31.5	63.0	157.5
25.3 fl. oz. (0.15 lb. AI)	750	22.5	37.5	75.0	187.5

**Application Instructions**

1. Depending on insect target, treatments may begin at bud break through full leaf expansion in early to mid-Spring. Consult your local extension service suggestions for the target pest. Make applications as required for preventative management of pest.
2. Using a low pressure (10-25 PSI), small volume hand can or backpack sprayer, mix 12.5 – 25.3 fl. oz. of AG 35814 C 8.5SL Insecticide per gallon of water with an organo-silicate adjuvant according to the adjuvant product instructions. Apply as a full coverage spray starting at the top of the application zone and working downwards to the root flair. One gallon should treat approximately 36-42 total inches of treatment DBH depending on bark surface.
3. **DO NOT** apply to wet bark, or during rainfall, or if rain is expected within 12 hours after application.
4. **DO NOT** apply as a drench to the soil.
5. Not for use on Emerald Ash Borer or Asian Longhorn Beetles.

**FOR TREE INJECTION APPLICATION TO ORNAMENTAL OR NON-BEARING FRUIT AND NUT TREES**

AG 35814 C 8.5SL Insecticide may be applied by injection directly into ornamental or non-bearing fruit and nut trees for control of **borers** (including Flathead Apple Borer but excluding Emerald Ash Borers or Asian longhorned beetles), **scale insects** (including Calico Scale, Gloomy Scale, Azalea Bark Scale) and **Hemlock Woolly Adelgids** in hard to spray or environmentally sensitive areas using the Arborjet IV, Wedgle Direct-Inject or similar compatible systems.

Application Information:

Depending on the injection equipment used, multiple injection sites may be required. To determine the initial number of injection holes, measure the DBH using a standard forestry tape measure. For circumference, divide the measurement by six (6) to determine the number of holes needed. For Diameter, divide the measurement by two (2) to determine the number of holes needed. Initial injection sites should be in active sapwood, evenly spaced around the tree at the root buttress region and avoiding the root valleys. Follow manufacturer instructions for the specific device for proper injection practices and to minimize tree damage.

**Application Instructions**

1. Depending on insect target, treatments may begin at bud break through full leaf expansion in early to mid-May based on local extension service suggestions. Make applications as required for preventative management of pest.
2. Mix 9 – 12 milliliters (mL) of AG 35814 C 8.5SL Insecticide per inch DBH of target tree in sufficient water for use following the manufacturer’s instructions for the specific injection device.

## STORAGE AND DISPOSAL

**DO NOT** contaminate water, food or feed by storage or disposal.

**PESTICIDE STORAGE:** Store in a tightly closed, original container in a cool, dry place. **DO NOT** allow prolonged storage in areas where temperatures frequently exceed 115°F (46°C).

**PESTICIDE DISPOSAL:** Wastes resulting from use of this product may be disposed of on site or at an approved waste disposal facility.

### **CONTAINER HANDLING [less than or equal to 5 gallons]**

**Non-refillable HDPE 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 incineration, or by other procedures approved by State and local authorities.

### **CONTAINER HANDLING [greater than 5 gallons]**

**Non-refillable HDPE 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. Replace 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 incineration, or by other procedures approved by State and local authorities.

### **CONTAINER HANDLING [greater than 5 gallons - bulk]**

**Refillable HDPE container.** Refill this container with pesticide only. **DO NOT** reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the person refilling. To clean container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by State and local authorities.

## DISCLAIMER AND NOTICE

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### IMPORTANT: READ BEFORE USE

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Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, 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. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Aceto Life Sciences, 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, ACETO LIFE SCIENCES, LLC MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Aceto Life Sciences, LLC is authorized to make any warranties beyond those contained

herein or to modify the warranties contained herein. To the extent consistent with applicable law, ACETO LIFE SCIENCES, LLC DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

**LIMITATIONS OF LIABILITY:** 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 OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT ACETO LIFE SCIENCES, LLC'S ELECTION, THE REPLACEMENT OF PRODUCT.

All trademarks are the property of their respective owners.  
Made in China [,] [formulated in USA] [&] [packaged in USA]



{LANGUAGE ON LABEL AFFIXED TO CONTAINER}

ACETAMIPRID	GROUP	4A	INSECTICIDE
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## AG35814 C 8.5SL Insecticide

For Agricultural Use Only

<b>Active Ingredient:</b>	%w/w
Acetamiprid, (E)- N <sup>1</sup> -[(6-chloro-3-pyridyl)methyl]-N <sup>2</sup> -cyano-N <sup>1</sup> -methyl acetamidine.....	8.5%
<b>Other Ingredients:</b> .....	91.5%
<b>Total</b> .....	100.0%

Contains 0.76 pounds of acetamiprid per gallon.

### KEEP OUT OF REACH OF CHILDREN CAUTION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

FIRST AID	
<b>If swallowed:</b>	<ul style="list-style-type: none"><li>• Immediately call a poison control center or doctor for treatment advice.</li><li>• <b>DO NOT</b> induce vomiting unless told to do so by a poison control center or doctor.</li><li>• Have person sip a glass of water if able to swallow.</li><li>• <b>DO NOT</b> give anything by mouth to an unconscious person.</li></ul>
<b>If on skin or clothing:</b>	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>If in eyes:</b>	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.</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 treatment advice.</li></ul>
<b>NOTE TO PHYSICIAN:</b> There is no specific antidote. All treatment should be based on observed signs and symptoms of distress in the patient. Overexposure to materials other than this product may have occurred.	
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor or going for treatment. FOR MEDICAL EMERGENCIES INVOLVING THIS PRODUCT, CALL CHEMTREC® TOLL FREE 1-800-424-9300 or 1-703-527-3887 (24 Hours per Day, 7 Days per Week).	

FOR CHEMICAL SPILL, LEAK, FIRE, EXPOSURE OR MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL CHEMTREC® TOLL FREE 1-800-424-9300 or 1-703-527-3887 (24 Hours per Day, 7 Days per Week).

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS and DOMESTIC ANIMALS

**CAUTION:** Harmful if swallowed, absorbed through skin or inhaled. Avoid contact with eyes, skin or clothing. Harmful if inhaled. Avoid breathing vapors or spray mist. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Keep out of reach of children and domestic animals.

### ENVIRONMENTAL HAZARDS

This product is toxic to birds and aquatic invertebrates. This product is moderately toxic to bees and other pollinating insects exposed to direct treatment or to residues in/on blooming crops or weeds. Protect pollinating insects by following label directions intended to minimize drift and to reduce risk to these organisms. **DO NOT** apply this product while bees are foraging in the treatment area. **DO NOT** apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. **DO NOT** contaminate water when disposing of equipment washwater or rinsate. **DO NOT** contaminate water used for irrigation or domestic purposes.

### GROUND WATER ADVISORY

This chemical 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.

### SURFACE WATER ADVISORY

This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and 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. Avoid accidental or intentional application of this product to ditches, swales, drainage ways or impervious surfaces including driveways. Runoff of this product to surface water will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours.

## STORAGE AND DISPOSAL

**DO NOT** contaminate water, food or feed by storage or disposal.

**PESTICIDE STORAGE:** Store in a tightly closed, original container in a cool, dry place. **DO NOT** allow prolonged storage in areas where temperatures frequently exceed 115°F (46°C).

**PESTICIDE DISPOSAL:** Wastes resulting from use of this product may be disposed of on site or at an approved waste disposal facility.

### **CONTAINER HANDLING [less than or equal to 5 gallons]**

**Non-refillable HDPE 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 incineration, or by other procedures approved by State and local authorities.

### **CONTAINER HANDLING [greater than 5 gallons]**

**Non-refillable HDPE 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. Replace 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 incineration, or by other procedures approved by State and local authorities.

### **CONTAINER HANDLING [greater than 5 gallons - bulk]**

**Refillable HDPE container.** Refill this container with pesticide only. **DO NOT** reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the person refilling. To clean container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by State and local authorities.

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

Read "DISCLAIMER AND NOTICE " before buying or using. If terms are not acceptable, return at once unopened.

**Manufactured For:**

Aceto Life Sciences, LLC  
4 Tri Harbor Court  
Port Washington, NY 11050

**EPA Reg. No.:** 2749-AGL

**EPA Est. No.:**

**Batch Code No.:**

**Net Weight:**

Made in China [,] [formulated in USA] [&] [packaged in USA]