

66330-365

5/19/2010

1 of 17



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Bill Washburn
Arysta LifeScience North America, LLC
15401 Weston Parkway, Suite 150
Cary, NC 27513

MAY 19 2010

Subject: Label Notification(s) Per Agency Letter Dated June 4, 2009; Environmental Hazard and General Labeling for Pyrethroid Non-Agricultural Outdoor Products Notification

Dear Mr. Washburn:

The Agency is in receipt of your applications for pesticide notifications, dated May 7, 2010, per Agency letter dated June 4, 2009.

EPA Registration 66330-365	Aloft GC SC Insecticide
EPA Registration 66330-366	Aloft LC SC Insecticide
EPA Registration 66330-367	Aloft GC G Insecticide
EPA Registration 66330-368	Aloft LC G Insecticide

The Registration Division (RD) has conducted a review of these requests for applicability under Agency letter dated June 4, 2009, and find that the label changes requested fall within the scope of the letter. The labels have been date-stamped "Notification" and will be placed in our records.

If you have any questions, please contact me at (703) 306-0415 or davis.kable@epa.gov.

Sincerely,

Kable Bo Davis
Entomologist
Insecticide-Rodenticide Branch
Registration Division (7505P)

2017

 EPA	United States Environmental Protection Agency Washington, DC 20460	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other:	OPP Identifier Number
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Application for Pesticide - Section I

1. Company/Product Number 66330-365	2. EPA Product Manager Venus Eagle	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Aloft GC SC Insecticide	PM# 1	
5. Name and Address of Applicant (Include ZIP Code) Arysta LifeScience North America, LLC 15401 Weston Parkway, Suite 150 Cary, NC 27513 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(I), my product is similar or identical in composition and labeling to: <div style="text-align: center;">NOTIFICATION</div> EPA Reg. No. _____ Product Name MAY 19 2010	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below

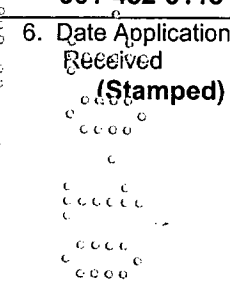
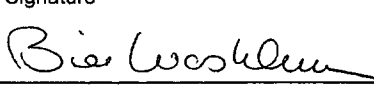
Explanation: Use additional page(s) if necessary. (For Section I and Section II.)

Notification of label change per June 4, 2009, letter from Environmental Protection Agency. This notification is consistent with guidance in the June 4, 2009 letter and requirements of EPA's regulations at 40 CFR part 156. No other changes have been made to the labeling or the Confidential Statement of Formula for this product. I understand that it is a violation of 18 USC Sec 1001 to willfully make any false statement to EPA. I further understand that if the amendment is not consistent with the requirements of 40 CFR part 156, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify)	
* Certification must be submitted		If "Yes" Unit Packaging wgt. No. per container	If "Yes" Package wgt. No. per container		
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On labeling accompanying product	
6. Manner in Which Label is Affixed to Product			<input type="checkbox"/> Lithograph <input type="checkbox"/> Other _____ <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application)		
Name Bill Washburn	Title Regulatory Manager	Telephone No. (Include Area Code) 901-432-5118
I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped) 
2. Signature 	3. Title Regulatory Manager	
4. Typed Name Bill Washburn	5. Date May 7, 2010	

40917

RESTRICTED USE PESTICIDE
 Toxic to Fish and Aquatic Organisms
 For retail sale to and use only by certified applicators, or persons under their direct supervision and only for those uses covered by certified applicator's certification.

ALOFT™ GC SC
INSECTICIDE

GROUP 4A INSECTICIDE

GROUP 3 INSECTICIDE

For contact and systemic insect pest control in turf and landscape ornamentals, trees and non-bearing fruit trees (including apple and pear) on golf courses, lawns and around residential, institutional, public, commercial and industrial buildings, parks, recreational areas, athletic fields, and sod farms.

DO NOT USE THIS PRODUCT ON GOLF COURSES AND SOD FARMS IN NASSAU COUNTY OR SUFFOLK COUNTY, NEW YORK.

<u>INGREDIENTS</u>	<u>By wt.</u>
Active Ingredients:	
Clothianidin*	24.70%
Bifenthrin**	12.30%
Other Ingredients	63.00%
Total	100.00%

* (E)-1-(2-chloro-1,3-thiazol-5-ylmethyl)-3-methyl-2-nitroguanidine.
 ** 2-methylbiphenyl-3-ylmethyl (1RS,3RS)-3-[(Z)-2-chloro-3,3,3-trifluoroprop-1-enyl]-2,2-dimethylcyclopropanecarboxylate (cis isomers 97% minimum, trans isomers 3% maximum)

Contains 2.22 lbs of Clothianidin and 1.10 lbs of Bifenthrin per gallon

KEEP OUT OF REACH OF CHILDREN
WARNING AVISO

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

See inside booklet for additional precautionary statements

EPA Registration No. 66330-365
 EPA Est. No. _____

NOTIFICATION

MAY 19 2010

Produced for:
 Arysta LifeScience North America, LLC
 15401 Weston Parkway, Suite 150
 Cary, NC 27513

For Product Use Information, call 1-866-761-9397

Net Contents: _____

FIRST AID	
If swallowed	<ul style="list-style-type: none"> • Call poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
If in eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
<p>NOTE TO PHYSICIAN: This pesticide contains a pyrethroid. If significant quantities have been swallowed, promptly eliminate the ingested quantities from the stomach and intestines. Treatment is symptomatic and supportive. Alcohol, milk, cream, and other digestible fats and oils should NOT be administered as they may increase absorption.</p>	
HOTLINE NUMBER	
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. FOR 24-HOUR EMERGENCY MEDICAL ASSISTANCE: CALL PROSAR at 1-866-303-6952.</p>	

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING. May be fatal if swallowed. Harmful inhaled. Avoid breathing spray mist. Wear: long-sleeved shirt and long pants, socks, shoes, and chemical-resistant gloves.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some of the materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart. Applicators and other handlers must wear:

- long-sleeved shirt and long pants
- shoes plus socks
- chemical-resistant gloves

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

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USER SAFETY RECOMMENDATIONS

Users should:

- Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This product is extremely toxic to fish and aquatic invertebrates. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. Do not apply where runoff is likely to occur. ~~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 cleaning equipment or disposing of equipment washwaters or rinsate.~~

This product is toxic to bees exposed to treatment and for more than 5 days following treatment. Do not apply this product to blooming, pollen-shedding or nectar-producing parts of plants if bees may forage on the plants during this time period, unless the application is made in response to a public health emergency declared by appropriate state or federal authorities.

DIRECTIONS FOR USE

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

Carefully read and understand the Directions for Use and restrictions before applying this product.

Do not apply this product in any 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.

All outdoor applications must be limited to spot or crack-and-crevice treatments only, except for the following permitted uses:

- 1) Treatment to soil or vegetation around structures;
- 2) Applications to lawns, turf, and other vegetation;
- 3) Applications to building foundations, up to a maximum height of 3 feet.

Other than applications to building foundations, all outdoor applications to impervious surfaces such as sidewalks, driveways, patios, porches and structural surfaces (such as windows, doors, and eaves) are limited to spot and crack-and-crevice applications, only.

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RESTRICTIONS

Do not apply by air.

Do not water the treated area to the point of run-off.

Do not make applications during rain.

Do not apply through any type of irrigation system.

Application is prohibited directly into sewers or drains, or to any area like a gutter where drainage to sewers, storm drains, water bodies, or aquatic habitat can occur. Do not allow the product to enter any drain during or after application.

Do not apply within a 25 foot radius of the following: Lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries, and commercial fish farm ponds.

Do not apply on the following: Commercial nurseries, commercial greenhouses and grass grown for seed.

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 on this label about personal protective equipment (PPE), notification to workers and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry into 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

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in the box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries and commercial greenhouses.

Keep children and pets off treated area until the spray has dried.

80A17

INFORMATION

ALOFT™ GC SC is a broad spectrum, long lasting contact and systemic insecticide for control of listed insects infesting turfgrass and ornamentals in landscapes and surrounding areas. **ALOFT GC SC** can be used around residences, business complexes, industrial complexes, airports, playgrounds, school yards, parks and recreation areas, athletic fields, golf courses, cemeteries, and arboretums. **ALOFT GC SC** can be used on commercial sod farms.

PREPARATION OF SPRAY MIXTURES AND APPLICATION

Begin with clean equipment. Add sufficient clean water to the spray tank for one-half of the mix load. Start tank agitation. Add the necessary amount of **ALOFT GC SC** before adding any other products. Agitate to ensure thorough mixing while adding the remaining water. Maintain agitation during mixing and application. Apply with properly calibrated spray equipment. If agitation is stopped for any reason the spray solution must be thoroughly remixed prior to any further use.

Use sufficient water volume to provide uniform coverage of the turfgrass and ornamental plants. For control of surface insects, do not water in until at least 48 hours after the application. If the target insects are in the thatch, either apply **ALOFT GC SC** in enough spray volume to wet the thatch or lightly water in after application with enough water to wet the thatch zone.

For control of existing grub populations, water in after application with enough water to move the insecticide into the root zone where the grubs are feeding.

RESISTANCE MANAGEMENT

Aloft GC SC contains two active ingredients with different modes of action and provides a recognized built in insecticide resistance management strategy to minimize the development of insecticide resistance in insect pests. The active ingredients in **ALOFT GC SC** are clothianidin, a Group 4A insecticide, and bifenthrin a Group 3 insecticide. Insect biotypes with acquired resistance to Group 4A or Group 3 insecticides may eventually dominate the insect population if Group 4A or Group 3 insecticides are used alone or repeatedly in the same site or in successive years as the primary method of control for targeted species.

To delay insecticide resistance in insects that are at risk of developing resistance to insecticides consider:

- Avoid the consecutive use insecticides on the same insect species.
- Use tank-mixtures or pre-mixes of insecticides from a different target site of action
- Base insecticide use on a comprehensive IPM program.
- Monitor treated insect populations for loss of field efficacy.
- Contact your State Agricultural Experiment Station, State Extension Specialists, other turf experts and/or Arysta LifeScience North America Corporation for insecticide resistance management and/or IPM recommendations for the specific site and resistant pest problems.
- For further information or to report suspected resistance, you may contact Arysta LifeScience North America Corporation at 1-866-761-9397.

90A17

APPLICATION INSTRUCTIONS – TURFGRASS AND PERIMETERS AROUND LAWNS AND LANDSCAPED AREAS ADJACENT TO TURF AREAS.

ALOFT GC SC can be used for broad spectrum insect control in turfgrass and perimeters. **ALOFT GC SC** can be used around residences, business complexes, industrial complexes, airports, playgrounds, school yards, parks and recreation areas, athletic fields, golf courses, cemeteries, arboretiums and sod farms.

ALOFT GC SC has sufficient contact and residual activity to provide high levels of control. The need for an application can be based on historical monitoring of the presence of or anticipated occurrence of individual or multiple insect pest species, the site, previous records or experiences, current season adult trapping or other methods. Optimum control of white grubs will be achieved when applications are made just prior to egg laying or to early instar larvae of target pests, followed by sufficient irrigation or rainfall to move the active ingredient into the zone where the insect pests are active. Multiple applications can be made each growing season but do not use more than 23.3 fl oz of product (0.4 lb of clothianidin active ingredient, 0.2 lb bifenthrin) per acre per year. Note: You may also use additional products containing bifenthrin as long as the maximum amount of bifenthrin does not exceed 0.4 lbs active ingredient per acre per year for use in lawns and perimeters.

ALOFT GC SC can be applied to turfgrass at 11.65 – 23.3 fl oz per acre per year (0.27 – 0.54 fl oz/1000 sq ft). The rate is dependent on the target pest(s), their stage of development and the desired level of control. Optimum control of white grubs (larvae) will be achieved when applications are made just prior to or just after peak egg laying. Use higher rates when long residual control is desired for control of multiple insect pests or late season applications are made to turf already showing grub damage. Multiple applications can be made but do not exceed the maximum amount per year (23.3 fl oz/acre or 0.54 fl oz/1,000 sq ft). Consult your local State Agricultural Experiment Station, State Extension Turf Specialists or other turf experts for specific information concerning the timing of applications.

For early season control insect pests (such as annual bluegrass weevil) and for full season control of white grubs, make the first application of **ALOFT GC SC** at peak adult activity or when other insect pests reach a damaging population in the spring at a rate of 11.65 – 23.3 fl oz per acre (0.27 – 0.54 fl oz/1000 sq ft). For control of white grubs at standard application timing, apply 11.65 – 23.3 fl. oz/Acre (0.27 – 0.54 fl. oz/1000 sq ft) just prior to peak adult activity or to early instar larvae.

For control of listed surface insects, do not water in until at least 24 hours after the application. For control of the target insects that are in the thatch, use enough carrier volume to move the insecticide into the thatch or lightly water in after application with enough water to wet the thatch zone. For control of armyworms, cutworms and other surface feeders, apply 11.65-23.3 fl oz/Acre (0.27-0.54 fl oz/1,000 sq ft) at the first sign of insects or insect damage. Repeat applications as needed to control additional flushes of insects. Up to a total of 23.3 fl oz/Acre per year (0.54 fl oz/1,000 sq ft) can be applied.

For control of existing grub populations, irrigate after application with enough water to move the insecticide into the zone where the grubs are feeding.

Do not mow until after irrigation or rainfall has occurred.

TURFGRASS AND PERIMETERS AROUND LAWNS	
APPLICATION RATE	INSECT PEST
0.27 – 0.44 fl oz per 1,000 sq ft (11.65 – 19 fl oz per acre)	Annual Bluegrass Weevil / Hyperodes (Adults) ¹ Annual Bluegrass Weevil / Hyperodes (Larvae) ¹ Ants ² , Nuisance (Excluding fire, harvester, pharaoh, and carpenter ants) Armyworms Billbugs ³ Black Turfgrass Ataenius ⁴ Chiggers Chinch Bugs Cutworms European Crane Fly Grasshoppers Leafhoppers Mole Crickets ⁵ Pillbugs Sod webworms Sowbugs Spittle bug Sugarcane grub White grubs ⁶ (Asiatic Garden Beetle, European Chafer, Green June Beetle, Japanese Beetle, Northern Masked Chafer, <i>Phyllophaga</i> spp. (May or June Beetle), Oriental Beetle, Southern Masked Chafer)
<p>¹ Annual Bluegrass Weevil: Application can be timed for adult weevils as they move from their over-wintering sites into turf. This movement usually begins shortly after or when Forsythia is in full bloom and continues to full bloom of dogwoods. Larvae from adult weevils that escape the application will be controlled with the application directed at adult weevils. Applications made after adult weevil activity will control larvae. Consult your State Cooperative Extension Service for more specific information regarding timing of application. Full season control of white grubs will be obtained with an application of 14 fl oz/acre targeted towards Annual Bluegrass Weevil / Hyperodes.</p> <p>² Applications of Aloft GC SC in the late fall or early spring will reduce populations of nuisance ants on golf course fairways, greens, and residential lawns. Make an application in the fall before ants stop foraging or after they become active in the spring. For broadcast application, make the application and lightly water in to wet the turf and thatch area where fire ants are foraging.</p> <p>³ Billbugs: Application can be made when adult Billbugs are first observed, usually in April and May in temperate regions. A spring application will also control Billbug larvae. Consult your State Cooperative Extension Service for more specific information regarding timing of application. White grubs will be controlled with an application targeted towards Billbugs.</p> <p>⁴ Black Turfgrass Ataenius: Application can be timed to coincide with the first generation of Black Turfgrass Ataenius that usually appears during May. White grubs will be controlled with an application targeted towards Black Turfgrass Ataenius.</p> <p>⁵ Mole Crickets: Apply during peak adult flight and egg lay. If the soil is dry, irrigate before application to stimulate insect activity and water in lightly after application to move the insecticide into the zone where the mole cricket are active.</p>	

TURFGRASS AND PERIMETERS AROUND LAWNS

⁶ Aloft GC SC will control white grubs anytime applications are made when they are active from early spring to late fall. The residual activity of Aloft GC SC is long enough to provide season long control of white grubs when applied for control of early season insects such as Annual Bluegrass Weevil, Billbugs, Nuisance Ants, overwintering White Grubs or other early season insects.

RESTRICTIONS

- Do not apply more than a total of 23.3 fl oz of **ALOFT GC SC** (0.4 lb of clothianidin active ingredient, 0.2 lb bifenthrin) per acre per year.
- If the maximum season limit of **ALOFT GC SC** has been applied and pest populations require additional treatments, use another registered pesticide labeled for control of the targeted insects that does not contain clothianidin. You may use additional products containing bifenthrin as long as the maximum amount of bifenthrin does not exceed 0.4 lbs active ingredient per acre per year for use in lawns and perimeters.

APPLICATION INSTRUCTIONS – LANDSCAPE ORNAMENTALS

ALOFT GC SC is a broad spectrum, contact and long lasting systemic insect control product for a wide spectrum of insects infesting landscape ornamentals. **ALOFT GC SC** can be used around residences, business complexes, industrial complexes, airports, playgrounds, school yards, parks and recreation areas, athletic fields, golf courses, cemeteries and arboretums,.

For foliar applications, apply volume of spray solution to wet the surface of the leaves to the point of drip.

For control of listed surface insects and insects that crawl along the surface of the soil or mulch under ornamentals, water in lightly after application to move the insecticide into the areas where insects are active. Water in with enough irrigation or rainfall to move the active ingredient into the zone where the target insects are active. Soil surface applications will provide control of foliage feeding insects; however, optimum control will not be achieved until the active ingredient is taken up by the plant roots and translocated to the area where insects are feeding.

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LANDSCAPE ORNAMENTALS			
FOLIAR APPLICATION (fl oz / 100 gals.)	FOLIAR INSECT PESTS CONTROLLED		APPLICATION INSTRUCTIONS
3.6 – 15.5 (5.0 -22.5 fl oz per acre based on 150 gallons of spray per acre)	Aphids Caterpillars Leafhoppers Mealy bugs White Flies		Target the spray towards the areas where the insects are active. Use enough water carrier to wet the surfaces on the target plants to the point of drip.
5.0 – 15.5 (7.5 -22.5 fl oz per acre based on 150 gallons of spray per acre)	Ants ¹ Bagworms Backline Weevil (Adults) Brown Soft Scale Budworms California Red Scale (crawlers) Chiggers Clover Mites Crickets	Cutworms Earwigs Elm Leaf Beetles Flea Beetles Japanese Beetles (Adults) Plant Bugs Spiders Tent Caterpillars Tip Moths Weevils	Repeat applications may be made if insects reappear but do not exceed a total of 0.54 fl oz Aloft GC SC per 1,000 sq ft of landscape.
8.0 – 15.5 (12 -22.5 fl oz per acre based on 150 gallons of spray per acre)	Adelgids Azalea lace bug Beetles Cicadas (adults) Citrus Trips Diaprepes (adults) Florida wax scale Glassy winged Sharpshooter	Gypsy moth Lace Bugs Leaf miners Leaf rollers Mites ² Pine Needle Scales (crawlers) Plant bugs (incl. <i>Lieges</i> spp.) Scales, soft	

RESTRICTIONS

¹ Aloft GC SC will control aphids, scale insects, mealybugs and other sucking pests on ornamentals and limit the honeydew available as a food source for ant populations. Ants present at the time of application will also be controlled.

² Aloft GC SC will provide suppression of broad Mites, Clover Mites, European Red Mites and Spider Mites when used for control of other insects. Use a surfactant on hard to wet plants. The use of an alternate class of chemistry in a mite treatment program is recommended to prevent or delay development of bifenthrin resistant mite populations.

- Do not apply more than a total of 23.3 fl oz of **ALOFT GC SC as a broadcast application** (0.4 lb of clothianidin active ingredient, 0.2 lb bifenthrin) per acre per year.
- If the maximum season limit of **ALOFT GC SC** has been applied and pest populations require additional treatments, use another pesticide labeled for control of the targeted insects that does not contain clothianidin. You may also use additional products containing bifenthrin as long as the maximum amount of bifenthrin does not exceed 0.4 lbs active ingredient per acre per year for use in lawns and perimeters.

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LANDSCAPE ORNAMENTALS				
SOIL SURFACE or MULCH APPLICATION	SOIL INSECT PESTS CONTROLLED	APPLICATION INSTRUCTIONS		
0.27 – 0.44 oz per 1,000 sq ft (11.65 – 19 fl oz per acre)	<table border="0"> <tr> <td> Ants, Nuisance (Excluding fire, harvester, pharaoh, and carpenter ants) Beet Armyworm Beetles Black Vine Weevils (Larvae) Centipedes Crickets Cutworms Diaprepes (Adults) Earwigs Fall Armyworms Grasshoppers </td> <td> Millipedes Pill Bugs White grubs (Asiatic Garden Beetle, European Chafer, Green June Beetle, Japanese Beetle, Northern Masked Chafer, <i>Phyllophaga</i> spp. (May or June Beetle), Oriental Beetle, Southern Masked Chafer) </td> </tr> </table>	Ants, Nuisance (Excluding fire, harvester, pharaoh, and carpenter ants) Beet Armyworm Beetles Black Vine Weevils (Larvae) Centipedes Crickets Cutworms Diaprepes (Adults) Earwigs Fall Armyworms Grasshoppers	Millipedes Pill Bugs White grubs (Asiatic Garden Beetle, European Chafer, Green June Beetle, Japanese Beetle, Northern Masked Chafer, <i>Phyllophaga</i> spp. (May or June Beetle), Oriental Beetle, Southern Masked Chafer)	Apply in enough water to wet the areas where the insects are active or water in after applications with enough irrigation to move the insecticide into the areas where insects are active. For ornamental trees and woody shrubs see below.
Ants, Nuisance (Excluding fire, harvester, pharaoh, and carpenter ants) Beet Armyworm Beetles Black Vine Weevils (Larvae) Centipedes Crickets Cutworms Diaprepes (Adults) Earwigs Fall Armyworms Grasshoppers	Millipedes Pill Bugs White grubs (Asiatic Garden Beetle, European Chafer, Green June Beetle, Japanese Beetle, Northern Masked Chafer, <i>Phyllophaga</i> spp. (May or June Beetle), Oriental Beetle, Southern Masked Chafer)			
SOIL SURFACE or MULCH APPLICATION	ABOVE GROUND INSECT PESTS CONTROLLED	APPLICATION INSTRUCTIONS		
0.34 – 0.54 oz per 1,000 sq ft (15 – 23.3 fl oz per acre)	<table border="0"> <tr> <td> Aphids Azalea lace bug Black Vine Weevil (Adults) Borers* Caterpillars Flea Beetles Florida wax scale Glassy winged sharpshooter Gypsy Moth Caterpillars </td> <td> Japanese Beetles (Adults) Leafhoppers Leafminers Leafrollers Mealybugs Plant Bugs (incl. Lygus spp.) Root Weevils (incl. Black Vine Weevils) Scales, Soft Whiteflies </td> </tr> </table>	Aphids Azalea lace bug Black Vine Weevil (Adults) Borers* Caterpillars Flea Beetles Florida wax scale Glassy winged sharpshooter Gypsy Moth Caterpillars	Japanese Beetles (Adults) Leafhoppers Leafminers Leafrollers Mealybugs Plant Bugs (incl. Lygus spp.) Root Weevils (incl. Black Vine Weevils) Scales, Soft Whiteflies	Apply in enough water to wet the root zone of the plants. Control of leaf feeding insects will be delayed until the insecticide is taken up by the roots and moved into the areas where insects are feeding, usually 2 – 4 weeks. For ornamental trees and woody shrubs see below.
Aphids Azalea lace bug Black Vine Weevil (Adults) Borers* Caterpillars Flea Beetles Florida wax scale Glassy winged sharpshooter Gypsy Moth Caterpillars	Japanese Beetles (Adults) Leafhoppers Leafminers Leafrollers Mealybugs Plant Bugs (incl. Lygus spp.) Root Weevils (incl. Black Vine Weevils) Scales, Soft Whiteflies			
RESTRICTIONS <ul style="list-style-type: none"> Do not apply more than a total of 23.3 fl oz of ALOFT GC SC as a broadcast application (0.4 lb of clothianidin active ingredient, 0.2 lb bifenthrin) per acre per year. If the maximum season limit of ALOFT GC SC has been applied and pest populations require additional treatments, use another pesticide labeled for control of the targeted insects that does not contain clothianidin. You may use additional products containing bifenthrin as long as the maximum amount of bifenthrin does not exceed 0.4 lbs active ingredient per acre per year for use in lawns and perimeters. 				

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Drench Application to Ornamental Trees and Woody Shrubs:

Aloft GC SC can be used for systemic control of insects with an application to trees in landscapes adjacent to turf areas. Aloft GC SC contains clothianidin which is systemic and will be translocated throughout the tree. Treat the area over the root zone of the trees or apply the insecticide around in the "root well" of the plant.

Apply the insecticide in enough water to get uniform coverage and water in after application. Aloft GC SC is a systemic product and will be translocated upward into the plant system from root uptake. It must be placed in an area where the roots can absorb the active ingredient. It may take 2-4 weeks for the active ingredient to move from the root zone to the areas of the trees affected. If insect pests are already present and causing damage, consider making a foliar application and then following up with a drench application.

For ornamental trees and shrubs adjacent to turf areas, use 0.06 – 0.12 fl oz Aloft GC SC per inch of cumulative trunk diameter (DBH) of the plant(s). For hedges six feet or less in height use 0.6 fl oz Aloft GC SC per 100 linear feet of hedge. For hedges greater than six feet in height use an additional 0.15 fl oz per additional foot of hedge height over six feet. Before application remove any plastic or other barriers that may prevent the insecticide from reaching the root zone of the plants.

*For Bronze Birch Borer, Flat Head Borers and other borers (excluding Emerald Ash Borer): Use a drench treatment around the trunk of the trees when the trees are active growing. Mix 0.5 fl oz Aloft GC SC in 10 gallons of water and apply the 2 qts. of the mixture per 1 inch DBH in a 1-2 ft area around the trunks of the trees.

For outdoor ornamentals, broadcast applications cannot exceed a total of 23.3 fl oz Aloft GC SC per acre per year.

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NON-BEARING FRUIT, INCLUDING APPLES AND PEARS, NUT TREES AND ORNAMENTAL TREES (IN LANDSCAPES WHICH ARE NOT INTENDED FOR USE IN COMMERCIAL PRODUCTION)

Apply **ALOFT GC SC** when threshold populations are observed. Do not wait until large insect populations have been established. For foliar applications, Apply **ALOFT GC SC** in sufficient water to ensure uniform and thorough coverage of foliage. Thorough coverage is required for control. To achieve optimum coverage, use proper spray pressures, nozzles, nozzle spacing and water volume per acre. For soil applications, apply as a soil surface spray to the entire root zone or as a banded spray to the tree well area.

APPLICATION RATES (POST-BLOOM APPLICATION)		
PEST	APPLICATION RATE	
Aphids ADELGIDS Leafhoppers Plum curculio Apple maggot Codling moth ¹ Oriental fruit moth ¹ Spotted tentiform leafminer ² Western tentiform leafminer ² Obliquebanded leafrollers WHITEFLIES (suppression) ²	<u>Soil application:</u> For trees under 6 feet tall .35- .54 fl oz per 1000 sq. ft.	Foliar Application 5 – 15.5 fl oz per 100 gallons*
	<u>Soil Application:</u> For Trees over 6 feet tall .54 – 1.25 fl oz per 1000 sq. ft	

RESTRICTIONS

- Non-bearing fruit, including apples and pears, and nut trees in landscapes are only for ornamental use. FRUIT FROM THESE TREES ARE NOT TO BE USED AS FOOD AT ANY TIME.
- *The amount of **ALOFT GC SC** per acre will depend on tree size, pest pressure and the volume of foliage present.
- Do not apply more than a total of 23.3 fl oz of **ALOFT GC SC** (0.4 lb of clothianidin active ingredient, 0.2 lb bifenthrin) per acre per year.
- When using the rates for trees larger than 6 feet, apply only to the target root area as a surface spray or as a band treatment, do not apply more than 23.3 ounces per acre on the treatment site or property.
- ¹ To control Codling moth and Oriental fruit moth, apply **ALOFT GC SC** in a program of rotational sprays with other labeled insecticides. When using the foliar application rates of 8.0 – 15.5 fl. oz. per 100 gallons of **ALOFT GC SC** to control Codling moth and/or Oriental fruit moth, do not apply treatments less than a 14 day interval.
- For Foliar applications, apply **ALOFT GC SC** in a full coverage spray to the point of drip. The spray volume will depend on tree size and density of canopy. Repeat applications as needed to maintain control but do not apply more often than every 10 days.
- ² For control of leafminers and leafrollers, apply as a soil application in early Spring when the soil is not frozen. A foliar application may result in suppression only and a repeat foliar application may necessary to maintain control.
- Do not apply foliar treatments less than 10 days apart.
- Do not apply **ALOFT GC SC** through any type of irrigation system.

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STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in a cool, dry place away from excessive heat. Do not store near food, feed, fertilizers, seeds, or other pesticides. Keep this product out of reach of children and animals at all times. Store in original container only. Open the product container carefully and after use, seal tightly.

To contain a spill: Cover the spilled product to prevent the material from spreading. If the product container is damaged, place the entire container along with the product in a secure receptacle and clearly label the contents.

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

CONTAINER DISPOSAL:

Non-refillable Containers equal to or less than 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. Offer for recycling, if available, or puncture and dispose of in a sanitary landfill, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Non-refillable Containers greater than 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. 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.

Offer for recycling, if available, or puncture and dispose of in a sanitary landfill, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

REFILLABLE CONTAINERS:

Refillable 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 refiller. To clean the 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 procedure two more times.

FOR 24-HOUR CHEMICAL EMERGENCY (Spill, Leak, Fire or Accident) ASSISTANCE:
Call CHEMTREC at 1-800-424-9300.

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Warranty and Disclaimer Statement

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. Such risks may arise from weather conditions, soil factors, off-target movement, unconventional farming techniques, the presence of other materials, the manner of use or application, or other unknown factors, all of which are beyond the control of Arysta LifeScience North America, LLC ("Arysta"), and can cause crop injury, injury to non-target crops or plants, ineffectiveness of the product, or other unintended consequences. All such risks shall be assumed by the user or buyer.

Arysta warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks described above, when used in accordance with the Directions for Use under normal conditions. This warranty does not extend to the use of this product contrary to label instructions or under conditions not reasonably foreseeable to Arysta, and is subject to the inherent risks described above.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ARYSTA DISCLAIMS ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ARYSTA, MANUFACTURER, AND SELLER DISCLAIM AND SHALL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT, OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE, HANDLING, APPLICATION, STORAGE, OR DISPOSAL OF THIS PRODUCT OR FOR DAMAGES IN THE NATURE OF PENALTIES, AND THE USER AND BUYER WAIVE ANY RIGHT THAT THEY MAY HAVE TO SUCH DAMAGES. NO AGENT, REPRESENTATIVE OR EMPLOYEE OF ARYSTA IS AUTHORIZED TO MAKE ANY WARRANTY, GUARANTEE OR REPRESENTATION BEYOND THOSE CONTAINED HEREIN OR TO MODIFY THE WARRANTIES CONTAINED HEREIN. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE TOTAL LIABILITY OF ARYSTA, MANUFACTURER, AND SELLER, SHALL BE LIMITED TO THE PURCHASE PRICE PAID, OR AT ARYSTA'S ELECTION, THE REPLACEMENT OF THE PRODUCT.

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