

66330-365

09/18/2012

1/16



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D C 20460

OFFICE OF
CHEMICAL SAFETY AND
POLLUTION PREVENTION

Rodney Akers
Arysta LifeScience
15401 Weston Parkway, Suite 150
Cary, NC 27513

SEP 18 2012

Dear Dr Akers

Subject Notification of the addition of California-specific language, deletion of optional New York-specific language, and correction of typographical error
ALOFT GC SC Insecticide
EPA Registration No 66330-365
Submission Date August 28, 2012

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated August 28, 2012, for the product ALOFT GC SC Insecticide, EPA Reg # 66330-365. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" and will be placed in our records. If you have any questions, please contact me directly at 703-347-0156 or urbanski.jennifer@epa.gov

Sincerely yours,

A handwritten signature in black ink, appearing to read "Jennifer Urbanski".

Jennifer Urbanski, Ph D
Insecticide-Rodenticide Branch
Registration Division (7505P)

2/16



United States
Environmental Protection Agency
Washington DC 20460

- Registration
- Amendment
- Other

OPP Identifier Number

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	6 Expedited Review In accordance with FIFRA Section 3(c)(3) (b)(I) my product is similar or identical in composition and labeling to EPA Reg No _____ Product Name _____	

Check if this is a new address

Section - II

- Amendment - Explain below
- Resubmission in response to Agency letter dated _____
- Notification Explain below
- Final printed labels in response to Agency letter dated _____
- Me Too Application
- Other Explain below

Explanation Use additional page(s) if necessary (For Section I and Section II)
 Notification - Typo on rate for above ground insect use deletion of self-imposed NY state restriction and added CA restriction by way of optional text for fire ant control per PR Notice 98-10
 This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46 and no other changes have been made to the labeling or the confidential statement of formula of 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 this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46 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

NOTIFICATION

There are no PRIA fees associated with this action Contact rodneyakers@arystalifescience.com

SEP 18 2012

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 checked="" 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"/> Paper glued <input type="checkbox"/> Stenciled <input type="checkbox"/> Other _____					

Section - IV

1 Contact Point (Complete items directly below for identification of individual to be contacted if necessary to process this application)

Name Rodney C Akers, Ph D	Title Regulatory Manager	Telephone No (Include Area Code) 919-678-4922
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Certification
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

2 Signature 	3 Title Regulatory Manager	6 Date Application Received (Stamped)
4 Typed Name Rodney C Akers, Ph D	5 Date Aug 28, 2012	



August 28, 2012

Ms Venus Eagle, PM 1
Document Processing Desk (NOTIF)
Office of Pesticide Programs – 7504P
U S Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 S Crystal Drive
Arlington, VA 22202

**Subject ALOFT GC SC Insecticide (EPA Reg No 66330-365)
Notification – Typo correction and addition of CA Restriction Optional Text**

Dear Ms Eagle

Arysta LifeScience North America, LLC is notifying the Agency of a typo correction in the rate for control of above ground insects, deletion of a self-imposed New York state restriction, and the addition of optional language specific to the State of California to the label of ALOFT GC SC Insecticide (EPA Reg No 66330-365) In the previous label we had 0.27 - 0.54 oz per 1,000 sq ft when it should have been 0.34 – 0.54 oz per 1,000 sq ft for control above ground insect pests, we also corrected this same rate per acre In addition we added optional text for CA restriction for control of fire ants until CA approves this use

The following documents are enclosed with this submission

- 1) EPA Form 8570-1,
- 2) and ~~two~~ copies each of the amended label – a clean copy and a marked up version showing the changes

I believe this is a non-PRIA action that does not require a fee payment If you have any questions or require additional information, please contact me at (919) 678-4922 or by e-mail at rodney.akers@arystalifescience.com Thank you

Best regards,

Rodney C Akers, Ph D
Regulatory Manager

4/16

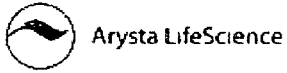
NOTIFICATION

SEP 18 2012

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 and ornamental trees (including non bearing fruit trees) on golf courses lawns and around residential institutional public commercial and industrial buildings parks recreational areas athletic fields and sod farms

INGREDIENTS

Active Ingredients

Clothianidin	24.70%
Bifenthrin	12.30%

Other Ingredients

Total	100.00%
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(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 lb of Clothianidin and 1.10 lb of Bifenthrin per gallon

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

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)

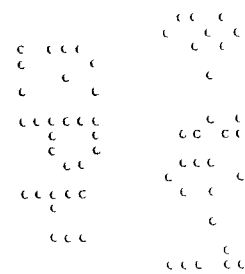
See inside booklet for additional precautionary statements

EPA Registration No 66330 365

EPA Est No

FIRST AID

If swallowed	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 by the poison control center or doctor Do not give anything by mouth to an unconscious person
If inhaled	Move person to fresh air If person is not breathing call 911 or 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	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	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
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.	



HOTLINE NUMBER

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**

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 _____

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING May be fatal if swallowed Harmful if inhaled Harmful if absorbed through skin Causes moderate eye irritation Avoid breathing spray mist Avoid contact with skin eyes or clothing

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical resistant to this product are barrier laminate butyl rubber nitrile rubber neoprene rubber natural rubber polyethylene polyvinyl chloride or viton 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 exist use detergent and hot water Keep and wash PPE separately from other laundry

USER SAFETY RECOMMENDATIONS

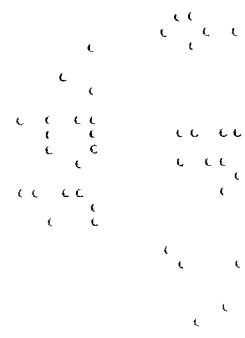
Users should

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

ENVIRONMENTAL HAZARDS

This product is extremely toxic to fish and aquatic invertebrates To protect the environment do not allow pesticide to enter or runoff 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

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

[Language within brackets is optional text related to state specific information]

RESTRICTIONS

Do not allow children or pets on treated surfaces until spray has dried

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 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 and forests

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

USE INFORMATION

ALOFT® GC SC is a 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 of the same 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

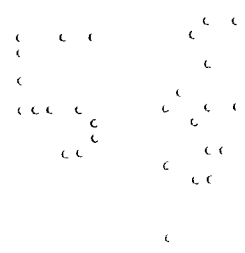
Contact your State Agricultural Experiment Station State Extension Specialists other turf experts and/or Arysta LifeScience North America LLC for insecticide resistance management and/or IPM recommendations for the specific site and resistant pest problems

For further information or to report suspected resistance you may contact Arysta LifeScience North America LLC at 1 866 761 9397

APPLICATION INSTRUCTIONS – TURFGRASS AND LAWNS

ALOFT GC SC can be used for control of listed insects on lawns **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 arboretums 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 lb active ingredient per acre per year for use in lawns and perimeters

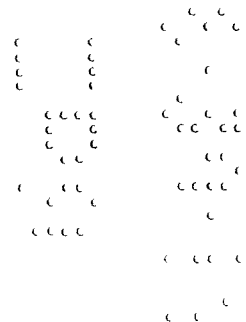
ALOFT GC SC can be applied to turfgrass at 11.65 – 23.3 fl oz per acre per year (0.27 – 0.54 fl oz/1,000 sq ft) The rate is dependent on the target pest(s) their stage of development and the desired level of control Optimum control of white grubs (larvae) will be achieved when applications are made just 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/A 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 of listed 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/A (0.27 – 0.54 fl oz/1,000 sq ft) For control of white grubs at standard application timing apply 11.65 – 23.3 fl oz/A (0.27 – 0.54 fl oz/1,000 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/A (0.27 – 0.54 fl oz/1,000 sq ft) at the first sign of insects or insect damage Repeat applications up to a total of 23.3 fl oz/A per year (0.54 fl oz/1,000 sq ft) to control additional flushes of insects

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



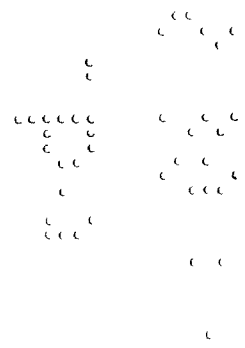
TURFGRASS AND LAWNS	
APPLICATION RATE	INSECT PEST
0.27 – 0.54 fl oz per 1,000 sq ft (11.65 – 23.3 fl oz/A)	Annual Bluegrass Weevil / Hyperodes (Adults) ¹ Annual Bluegrass Weevil / Hyperodes (Larvae) ¹ Ants ² Nuisance (Excluding fire harvester pharaoh and carpenter ants) Armyworms Billbugs ³ Black Turfgrass Ataenius ⁴ Chiggers Chinch Bugs Cutworms European Crane Fly Grasshoppers Leafhoppers Mole Crickets ⁵ Pillbugs Sod webworms Sowbugs Spittle bug Sugarcane grub Ticks ⁶ White grubs ⁷ (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)
<u>Control</u> 0.46 fl oz per 1,000 sq ft (20 fl oz/A) <u>Suppression</u> 0.33 fl oz per 1,000 sq ft (14.4 fl oz/A)	Fire Ants Red Imported ⁸

¹ **Annual Bluegrass Weevil** Application can be timed for adult weevils as they move from their overwintering 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/A targeted towards Annual Bluegrass Weevil/Hyperodes.

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 ants are foraging.

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.

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.



TURFGRASS AND LAWNS

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 crickets are active.

⁶ **Ticks (including ticks that may transmit Lyme Disease and Rocky Mountain Spotted Fever)** Treat the entire area where exposure to ticks may occur. Use higher spray volumes when treating areas with dense groundcover or heavy leaf litter. Ticks may be reintroduced from surrounding areas on host animals.

Deer Ticks (*Ixodes* sp.) Apply in the late fall and/or early spring to control adult ticks that are usually located on brush or grass above the soil surface and in mid- to late spring to control larvae and nymphs that reside in the soil and leaf litter.

American Dog Ticks (*Dermacentor* sp.) These ticks commonly congregate along paths or roadways where humans are likely to be encountered. Apply from mid-spring to early fall to control American dog tick larvae, nymphs, and adults.

⁷ **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 listed early season insects such as Annual Bluegrass Weevil, Billbugs, Nuisance Ants, or overwintering White Grubs.

⁸ **Red Imported Fire Ants[*]** **For mound treatments:** If the soil is not moist, irrigate before application or use a high volume application. Apply one teaspoon ALOFT GC SC per gallon of water (this is equivalent to 14.4 fl oz ALOFT GC SC per acre applied in 87 gallons of water) and apply 1 – 2 gallons of finished spray per mound. The solution should be applied in such a manner to allow the solution to move into the mound. Also treat a four-foot diameter circle around the mound. Apply in early morning or late evening hours when most of the foraging workers are in the colony. **For broadcast applications:** For suppression, apply 14.4 fl oz ALOFT GC SC in at least 20 gallons of water per acre. Water in after application. If irrigation or rainfall is not expected within 48 hours of application, apply at least 50 additional gallons of water per acre. For control, apply 20.0 fl oz ALOFT GC SC in at least 20 gallons of water per acre. Water in after application. If irrigation or rainfall is not expected within 48 hours of application, apply at least 50 additional gallons of water per acre.

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 lb active ingredient per acre per year.

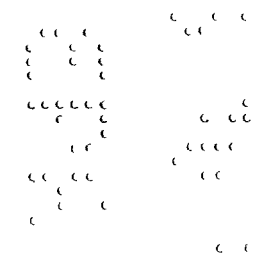
[Not approved in California]

APPLICATION INSTRUCTIONS – LANDSCAPE ORNAMENTALS

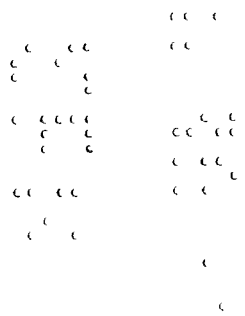
ALOFT GC SC is a contact and long-lasting systemic insect control product for listed insects infesting landscape ornamentals. **ALOFT GC SC** can be used around residences, business complexes, industrial complexes, airports, playgrounds, school yards, parks and recreation areas, athletic fields, golf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



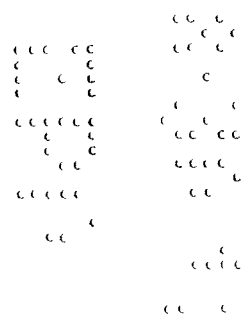
LANDSCAPE ORNAMENTALS				
FOLIAR APPLICATION (fl oz/100 gals)	FOLIAR INSECT PESTS CONTROLLED	APPLICATION INSTRUCTIONS		
3.6 – 15.5 (5.0 – 22.5 fl oz/A based on 150 gallons of spray per acre)	Aphids Caterpillars Leafhoppers Mealybugs White Flies	Target the spray towards the areas where the insects are 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/A based on 150 gallons of spray per acre)	<table border="0"> <tr> <td>Ants¹ Bagworms Back Vine Weevil (Adults) Brown Soft Scale Budworms California Red Scale (crawlers) Chiggers Clover Mites Crickets</td> <td>Cutworms Earwigs Elm Leaf Beetles Flea Beetles Japanese Beetles (Adults) Plant Bugs Spiders Tent Caterpillars Tip Moths Weevils</td> </tr> </table>	Ants ¹ Bagworms Back Vine 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
Ants ¹ Bagworms Back Vine 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			
8.0 – 15.5 (12 – 22.5 fl oz/A based on 150 gallons of spray per acre)	<table border="0"> <tr> <td>Adelgids Azalea lace bug Beetles Cicadas (adults) Citrus Thrips <i>Diaprepes</i> (adults) Florida wax scale Glassy winged Sharpshooter</td> <td>Gypsy moth Lace Bugs Leaf miners Leaf rollers Mites² Pine Needle Scales (crawlers) Plant bugs (incl <i>Lieges</i> spp) Scales soft</td> </tr> </table>	Adelgids Azalea lace bug Beetles Cicadas (adults) Citrus Thrips <i>Diaprepes</i> (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	
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<p>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 (excluding fire harvester carpenter and pharaoh ants) present at the time of application will also be controlled.</p> <p>² ALOFT GC SC will provide suppression of broad mites, clover mites, European red mites and spider mites when used for control of other listed 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.</p> <p>RESTRICTIONS</p> <p>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.</p> <p>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 lb active ingredient per acre per year.</p>				



LANDSCAPE ORNAMENTALS		
SOIL SURFACE or MULCH APPLICATION	SOIL INSECT PESTS CONTROLLED	APPLICATION INSTRUCTIONS
0.27 – 0.54 oz per 1 000 sq ft (11.65 – 23.3 fl oz/A)	Ants Nuisance (Excluding fire harvester pharaoh and carpenter ants) Beet Armyworm Beetles Black Vine Weevils (Larvae) Centipedes Crickets Cutworms <i>Diaprepes</i> (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
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/A)	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 <i>Lygus</i> 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
RESTRICTIONS		
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 lb active ingredient per acre per year		

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Drench Application to Ornamental Trees and Woody Shrubs

ALOFT GC SC can be used for systemic control of listed 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 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 100 linear feet of hedge for each 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.

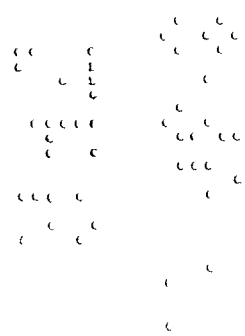
For Bronze Birch Borers, Flatheaded Borers and other borers (excluding Emerald Ash Borers and Asian Longhorned Beetles) Use a drench treatment around the trunk of the trees when the trees are actively growing. Mix 0.5 fl oz **ALOFT GC SC** in 10 gallons of water and apply 2 qt of the mixture per 1 inch DBH in a 1 – 2 ft area around the trunks of the trees.

Restriction: For outdoor ornamentals broadcast applications cannot exceed a total of 23.3 fl oz **ALOFT GC SC** per acre per year.

NUT TREES AND ORNAMENTAL TREES (including non bearing Fruit Trees In Landscapes that are NOT for Food Use)

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 listed insect 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 0.35 – 0.54 fl oz/1,000 sq ft <hr/> <u>Soil Application</u> For Trees over 6 feet tall 0.54 – 1.25 fl oz/1,000 sq ft
RESTRICTIONS Do not consume fruit or nuts from these trees 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

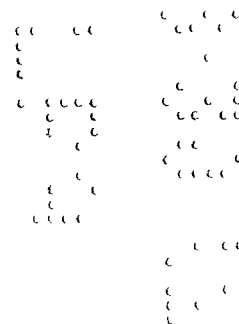
Do not apply foliar treatments less than 10 days apart

Do not apply **ALOFT GC SC** through any type of irrigation system

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 be necessary to maintain control.



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 1/4 full with water and recap Shake for 10 seconds Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal Drain for 10 seconds after the flow begins to drip Repeat this procedure two more times Offer for recycling if available or puncture and dispose of in a sanitary landfill

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 1/2 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

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.

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ALOFT GC SC (MASTER) 05/24/12, NOTIFICATION 08/21/12

