

66330-366

8/14/2012

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON D C 20460



OFFICE OF
CHEMICAL SAFETY AND
POLLUTION PREVENTION

August 14 2012

Dr Rodney C Akers
Arysta LifeScience North America LLC
15401 Weston Parkway Suite 150
Cary NC 27513

Subject Notification to correct rate typos and add California restrictions for fire ants
per PRN 98 10

Dear Dr Akers

The Agency is in receipt of your Application for Pesticide Notification under Pesticide
Registration Notice (PRN) 98 10 dated July 27 2012 for Aloft™ LC SC Insecticide EPA
Registration Number 66330 366

The Registration Division (RD) has conducted a review of this request for applicability
under PRN 98 10 and finds that the label changes requested do fall within the scope of PRN 98
10 The label submitted with your application has been date stamped Notification and will be
placed in our files

If you have any questions please contact me directly at 703 308 8735 or email me at
chao.julie@epa.gov

Sincerely

A handwritten signature in black ink, appearing to read "Julie A. Chao".

Julie A Chao
Insecticide Rodenticide Branch
Registration Division (7505P)
Office of Pesticide Programs

2/14

Please read instructions on reverse before completing

Jrm

Form Approved

No 2070 0060 Approval expires 05 31 98



United States
Environmental Protection Agency
Washington DC 20460

- Registration
- Amendment
- Other

OPP Identifier Number

Application for Pesticide Section I

1 Company/Product Number 66330-366	2 EPA Product Manager Venus Eagle	3 Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4 Company/Product (Name) ALOFT LC 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 EPA Reg No NOTIFICATION Product Name AUG 14 2012	

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 – Typo on rate for above ground insect use 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

There are no PRIA fees associated with this action Contact rodney akers@arystalifescience com

Section III

1 Material This Product Will Be Packaged In			
Child Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes Unit Packaging wgt No per container	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes Package wgt No per container	2 Type of Container <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			
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 Rodney C Akers Ph D	Title Regulatory Manager	Telephone No. (include Area Code) 919 678 4922
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		6 Date Application Received (Stamped)
2 Signature <i>Rodney C Akers</i>	3 Title Regulatory Manager	
4 Typed Name Rodney C Akers Ph D	5 Date July 27 2012	



Arysta LifeScience

3/14

July 27, 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

NOTIFICATION

AUG 14 2012

**Subject ALOFT LC SC Insecticide (EPA Reg No 66330-366)
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 and the addition of optional language specific to the State of California to the label of ALOFT LC SC Insecticide (EPA Reg No 66330 366) 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 rodneyakers@arystalifescience.com Thank you

Best regards

Rodney C Akers Ph D
Regulatory Manager

NOTIFICATION

AUG 14 2012



Arysta LifeScience

ALOFT LC SC INSECTICIDE

GROUP	4A	INSECTICIDE
GROUP	3	INSECTICIDE

For contact and systemic insect pest control in lawns landscape ornamentals trees (including non bearing fruit trees) around residential institutional public commercial and industrial buildings parks recreational areas and athletic fields Not for use on golf courses and sod farms

INGREDIENTS

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 / m m m t a s somers 3 / m a i m u m)
 C t 2.22 lb fCl th d d 1.1 lb fBf th p g ll

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 366

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
<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 should NOT be administered as they may increase absorption.</p>	
<p>HOTLINE NUMBER Have the product container or label with you when calling a poison control center or doctor going for treatment. FOR 24 HOUR EMERGENCY MEDICAL ASSISTANCE CALL PROSAR at 1 866 303 6952</p>	

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 or vapor 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 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 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

Container Use Directions

- 1 Remove the measuring chamber cap and induction seal Replace cap and securely tighten Tip container until liquid fills measuring chamber
- 2 Return container to level position No adjustment is needed
- 3 Remove measuring chamber cap and dispense into proper application equipment

For multiple dose measuring Remove fill chamber cap and dispense according to markings on side of bottle

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

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

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

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 mow until after irrigation or rainfall has occurred

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 through any type of irrigation system

Do not apply on the following Commercial nurseries commercial greenhouses grass grown for seed golf courses and sod farms

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

USE INFORMATION

ALOFT LC SC is a long lasting contact and systemic insecticide for control of listed insects infesting lawns and ornamentals in landscapes and surrounding areas **ALOFT LC SC** can be used around residences business complexes industrial complexes airports playgrounds school yards parks and recreation areas athletic fields cemeteries and arboretums

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 LC 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 lawn 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 LC 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 LC 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 LC 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 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 lawn 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 LC SC can be used for control of listed insects in lawns **ALOFT LC SC** can be used around residences business complexes industrial complexes airports playgrounds school yards parks and recreation areas athletic fields cemeteries and arboretums

ALOFT LC 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 LC SC can be applied to lawns and perimeters 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 lawns already showing grub damage or damage by scavenging animals 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 lawn 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 LC 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/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 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 Up to a total of 23 3 fl oz/A 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 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) Annual Bluegrass Weevil/Hyperodes (Larvae) Ants ² Nuisance (Excluding fire harvester pharaoh and carpenter ants) Armyworms Billbugs Black Turfgrass Ataenius Chiggers Chinch Bugs Cutworms European Crane Fly Grasshoppers Leafhoppers Mole Crickets ⁵ Pillbugs Sod webworms Sowbugs Spittlebug Sugarcane grub Ticks 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)
Control 0.46 fl oz per 1,000 sq ft (20 fl oz/A) Suppression 0.33 fl oz per 1,000 sq ft (14.4 fl oz/A)	Fire Ants, Red Imported ¹
<p>Annual Bluegrass Weevil Application can be timed for adult weevils as they move from their overwintering sites into turf. This movement usually begins shortly before 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.</p> <p>² Applications of ALOFT LC SC in the late fall or early spring will reduce populations of nuisance ants on residential lawns. Make an application in the fall before ants stop foraging or after they become active in the spring. Make a broadcast application and lightly water in to wet the turf and thatch area where nuisance ants are foraging.</p> <p>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>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</p>	

TURFGRASS AND LAWNS

an application targeted towards Black Turfgrass Ataenius

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

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 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 LC SC** will control white grubs anytime applications are made when they are active from early spring to late fall The residual activity of **ALOFT LC 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

Red Imported Fire Ants If the soil is not moist irrigate before application or use a high volume application For mound treatments use one teaspoon **ALOFT LC SC** per gallon of water (this is equivalent to 14.4 fl oz **ALOFT LC 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 cool weather (65 – 80 F) or in early morning or late evening hours when most of the foraging workers are in the colony

RESTRICTIONS

Do not apply more than a total of 23.3 fl oz of **ALOFT LC 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 LC 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 LC SC is a contact and long lasting systemic insect control product for listed insects infesting landscape ornamentals adjacent to turf areas. **ALOFT LC SC** can be used around residences, business complexes, industrial complexes, airports, playgrounds, school yards, parks and recreation areas, athletic fields, cemeteries and arboretums.

For foliar applications, apply enough 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 Aloft LC SC Rate (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 of 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)	Ants ¹ (Excluding fire harvester pharaoh carpenter ants) Bagworms Black Vine Weevil (adults) Brown Soft Scale Budworms California Red Scale (crawlers) Chiggers Clover Mites Crickets	Repeat applications may be made if pests appear but do not exceed a total of 0.54 fl oz ALOFT LC SC per 1,000 sq ft of landscape.
8.0 – 15.5 (12 – 22.5 fl oz/A based on 150 gallons of spray per acre)	Adelgids Azalea lacebug Beetles Cicadas (adults) Citrus Thrips Dapples (adults) Florida scale Glassy winged Sharpshooter	Gypsy moth Lacebugs Leaf miners Leaf rollers Mites Pine Needle Scale (crawlers) Plant bugs (incl Ledges spp.) Scales soft

¹ **ALOFT LC 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.

ALOFT LC 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.

RESTRICTIONS

Do not apply more than a total of 23.3 fl oz of **ALOFT LC 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 LC 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.

LANDSCAPE ORNAMENTALS		
SOIL SURFACE or MULCH APPLICATION	SOIL INSECT PESTS CONTROLLED	APPLICATION INSTRUCTIONS
0.27 – 0.54 fl 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 Cockroaches Cutworms Diaprepes (Adults) Earwigs Fall Armyworms Grasshoppers Millipedes	Pillbugs 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 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 fl oz per 1,000 sq ft (15 – 23.3 fl oz/A)	Aphids Azalea lacebug Borers Black Vine Weevils (Adults) 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 Whetflies	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 LC SC (0.4 lb of clothianidin active ingredient 0.2 lb bifenthrin) per acre per year If the maximum season limit of ALOFT LC 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 adjacent to turf

ALOFT LC SC can be used for systemic control of listed insects with an application to trees in landscapes and interior plantscapes. ALOFT LC 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 LC 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 LC 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 LC 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 Borer 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 LC 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

For outdoor ornamentals broadcast applications cannot exceed a total of 23.3 fl oz ALOFT LC 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 LC SC when threshold populations are observed. Do not wait until large insect populations have been established. For foliar applications apply ALOFT LC 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, 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 Plumcuckoo Apple maggot Codling moth Oriental fruit moth Spotted tent form leafminer ² Western tent form leafminer ² Oblongbanded leafrollers Whiteflies (suppress on)	<u>Soil application</u> For trees under 6 feet tall	Foliar Application 8.0 – 15.5 fl oz per 100 gallons
	35 – 54 fl oz per 1,000 sq ft	
	<u>Soil Application</u> For Trees over 6 feet tall	
	54 – 125 fl oz per 1,000 sq ft	

RESTRICTIONS

Do not consume fruit or nuts from these trees at any time
 *The amount of ALOFT LC 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 LC SC (0.4 lb of clothianidin active ingredient) 0.2 lb of this) 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 banded treatment. Do not apply more than 23.3 ounces per acre on the treatment site or property.

To control Codling moth and Oriental fruit moth, apply ALOFT LC 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 LC SC to control Codling moth and Oriental fruit moth, do not apply treatments less than a 14 day interval.

For foliar applications, apply ALOFT LC 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.

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 suppresson only and a repeat foliar application may be necessary to maintain control.

Do not apply foliar treatments less than 10 days apart

Do not apply ALOFT LC SC through any type of irrigation system

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.

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

Non refillable 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 / 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

Non refillable 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 / 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 collections 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

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 LC SC (MASTER) AD05/24/12, NOTIFICATION 07/16/12