GROUP 4A INSECTICIDE

FOR SYSTEMIC INSECT CONTROL IN TURFGRASS, SOD FARMS, LANDSCAPE ORNAMENTALS, INTERIOR PLANTSCAPES AND NON-BEARING FRUITS AND NUTS (IN LANDSCAPES).

Active Ingredient By Wt.
*Clothianidin. 0.25%
Other Ingredients 99.75%
Total 100.00%
*(E)-1-(2-chloro-1,3-thiazol-5-ylmethyl)-3-methyl-2-nitroguanidine.

EPA Reg. No. 59639-157
EPA Est. No. 39578-TX-01®, 67545-AZ-01®
Superscript is first letter of lot number.

Keep out of reach of children. Caution. See inside booklet for additional precautionary statements.

NET WEIGHT: 30 POUNDS

FORM: 1731-E
NAME: Arena 0.25 G Insecticide
UCC: (01) 06 53204 08626 6
PRODUCT SIZE: 30 lbs
KIND: Booklet with Base Label
BASE LABEL SIZE: 6.25" W x 5.5" H
CLOSED BOOKLET SIZE: 5.5" W x 5.5" H
OPEN BOOKLET SIZE: 11" W x 5.5" H
DATE: 11.22.16

Printed in USA
**PRECAUTIONARY STATEMENTS FOR HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION**
Causes moderate eye irritation. Harmful if swallowed, absorbed through skin or inhaled. Avoid contact with eyes, skin or clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after handling.

**FIRST AID**

**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 15 minutes, then continue rinsing eye.

**If inhaled:** Move person to fresh air. Call a poison control center or doctor for treatment advice.

**If swallowed:** 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 on skin:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15–20 minutes.

**If in contact with clothing:** Take off contaminated clothing. Wash thoroughly with soap and water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water, or to areas where surface water is present or to intertidal waters or rinsate. When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.240 (d)(4–6)), the handler PPE requirements may be reduced or modified as specified in the WPS.

**ENGINEERING CONTROLS**

When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.240 (d)(4–6)), the handler PPE requirements may be reduced or modified as specified in the WPS.

**IMPORTANT:** When reduced PPE is worn because a closed system is being used, the handlers must be provided all PPE specified above for “applicants and other handlers” and have such PPE immediately available for use in an emergency, as a spill or equipment break-down.

**ENGINEERING CONTROLS**

When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.240 (d)(4–6)), the handler PPE requirements may be reduced or modified as specified in the WPS.

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**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.

**ENVIRONMENTAL HAZARDS**

This product is toxic to aquatic invertebrates. 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 wash waters or rinsate.

This product is toxic to bees exposed to direct treatment or residues on blooming crops. Do not apply during bloom or when bees are present.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS FOR USE AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS. 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.

**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 livestock, poultry, and fish. It contains provisions 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 the product that are covered by the Worker Protection Standard.

Do not enter or allow entry into treated areas during the restricted-entry interval (REI). 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, socks and shoes, chemical-resistant gloves and waterproof material.

**NON-AGRICULTURAL USE REQUIREMENTS**

The requirements in the box above apply to use 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 dust has settled.

**DISCLAIMER, RISKS OF USING THIS PRODUCT, LIMITED WARRANTY AND LIMITATION OF LIABILITY**

**IMPORTANT:** Read the entire Label including this Disclaimer, Risks of Using this Product, Limited Warranty, and Limitation of Liability before using this product. If the terms are not acceptable, return the unopened product within 15 days of purchase for a refund of the purchase price.

**RISKS OF USING THIS PRODUCT**

The Buyer and User (referred to collectively herein as “Buyer”) of this product shall be aware that there are inherent unintended risks associated with the use of this product which are impossible to eliminate. These risks include, but are not limited to, injury to plants and crops to which this product is applied, lack of control of the target pests or weeds, resistance of the target pest or weeds to this product, injury caused by drift, and injury to rotational crops caused by carryover in the soil.
RESISTANCE MANAGEMENT

Arena® 0.25 G Insecticide contains a Group 4A insecticide. Insect biotypes with acquired resistance to Group 4A insecticides may eventually dominate the insect population if Group 4A insecticides are used repeatedly in the same field or in successive years as the primary method of control for targeted species. This may result in partial or total loss of control of those species by Arena 0.25 G Insecticide® or other Group 4A.

To delay insecticide resistance consider:
- Avoiding the consecutive use of Arena 0.25 G Insecticide® or other Group 4A insecticides that have a similar target site of action on the same insect species.
- Using tank mixtures or premixes with insecticides from a different target site of action. Group as long as the involved products are all registered for the same use and have different sites of action.
- Basing insecticide use on a comprehensive Integrated Pest Management (IPM) program.
- Monitoring treated insect populations for loss of field efficacy.
- Contacting your local extension specialist, certified crop advisor and/or manufacturer for insecticide resistance management or IPM recommendations for the specific site and resistant pest problems.
- For further information or to report a suspected resistance, you may contact Valent U.S.A. Corporation at 800-898-2536.

INFORMATION

Arena 0.25 G Insecticide® is a broad spectrum insecticide for control of listed insects infesting turfgrass, sod farms, landscape ornamentals, interior plantscapes and non-bearing fruit trees (including apple and pear) and nut trees (in landscapes). When applied as directed, Arena 0.25 G Insecticide® provides excellent and long residual insect control.

RESTRICTIONS

- Do not use a foliar application of clothianidin (Arena 0.25 G Insecticide®) following a soil application of clothianidin.
- Do not apply more than a total of 160 lbs of Arena 0.25 G Insecticide (0.4 lb active ingredient clothianidin) per acre per season.
- If the maximum season limit of clothianidin as mentioned above has been applied and pest populations require additional treatments, use another registered pesticide that is not in the neonicotinoid class of chemistry.
- Do not apply this product, by any application method, to tender, bare-root or other tender species.

PLANT TOLERANCE

Neither the manufacturer nor the seller has determined whether or not Arena 0.25 G Insecticide® can be used safely on all cultivars of plants listed on the label. Arena 0.25 G Insecticide® has been tested on many cultivars with no phytotoxicity observed at label rates. Since all plant species and their varieties and cultivars have not been tested for tolerance, it is recommended that a small number of plants be treated to make certain that no phytotoxicity occurs, prior to any large scale application to plants. The end user assumes all risks arising from application of Arena 0.25 G Insecticide® in a manner inconsistent with its labeling. Arena 0.25 G Insecticide® can be blended just prior to application or co-applied with other crop management tools. However, all plant species and their varieties and cultivars have not been tested with possible blends or co-applied combinations or sequential pesticide treatments. The user must conduct a small scale compatibility and phytotoxicity trial under local conditions to ensure compatibility prior to any large-scale use.

COMMERCIAL AND RESIDENTIAL LANDSCAPE USES

Arena 0.25 G Insecticide® is for use on landscape ornamentals, interior plantscapes and non-bearing fruit trees (including apple and pear) and nut trees (in landscapes).

Arena 0.25 G Insecticide® should be applied when threshold populations are observed. Do not wait until large insect populations have been established.

Apply to established plants. For control of pests on established plants, irrigate the treated area thoroughly. Choose lower rates for light infestations and/or smaller plants and higher rates for heavy infestations and/or larger plants.

Application Methods:

Arena 0.25 G Insecticide® is a systemic and soil active insecticide when applied to the soil.

Residential Landscapes and In-ground Plants: For flower beds, broadcast Arena 0.25 G Insecticide® evenly over the top of plants. For treatment of individual shrubs or trees, broadcast Arena 0.25 G Insecticide® evenly on soil around base of plant within 18 inches of the trunk. Pull back mulch prior to application if mulch is more than 1 inch thick. Irrigate after application with enough water to dissolve granules and move product into root zone.

Restrictions:

- Do not apply more than a total of 160 lbs Arena 0.25 G Insecticide® (0.4 lb active ingredient clothianidin) per acre per season.
SOIL APPLICATION TO INTERIORSCAPES, LANDSCAPES, NON-BEARING FRUIT AND NUT TREES

For systemic insect control on ornamental plants grown in indoor and outdoor landscapes (commercial, industrial, recreational and residential).

<table>
<thead>
<tr>
<th>Crops</th>
<th>Arena 0.25 G Insecticide&lt;sup&gt;1&lt;/sup&gt; Rates</th>
<th>Special Instructions</th>
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</thead>
<tbody>
<tr>
<td>Ornamental Plants</td>
<td>0.25 G Insecticide&lt;sup&gt;1&lt;/sup&gt; Rates</td>
<td>Special Instructions</td>
</tr>
<tr>
<td>Shrubs: height 5 to 10</td>
<td>Only apply to moist soil media. Do not apply to dry or saturated soil. Do not apply to saturated soil, or when plants are not actively taking up water from soil.</td>
<td></td>
</tr>
<tr>
<td>Trees: DBH 0.5 to 1.0</td>
<td>Heavy rainfall or inadequate irrigation immediately following application may decrease performance. For optimal control, apply early in the shrub or tree’s annual growing cycle.</td>
<td></td>
</tr>
<tr>
<td>Broadcast Application:</td>
<td>Broadcast application may not be effective in trees and shrubs.</td>
<td></td>
</tr>
<tr>
<td>Flower Beds and Ground Covers: 3.6 lbs/1,000 sq ft of bed</td>
<td>Broadcast application.</td>
<td></td>
</tr>
</tbody>
</table>

Abbreviation: Arena 0.25 G Insecticide<sup>1</sup>

1. Arena 0.25 G Insecticide<sup>1</sup> is a systemic insecticide and must move to the area of the plant where the target pest is feeding. Control of pests may be delayed following an application for one or more weeks as Arena 0.25 G Insecticide<sup>1</sup> moves to the feeding site.

- Do not apply more than a total of 160 lbs Arena 0.25 G Insecticide<sup>1</sup> (0.4 lb ai/A) per acre per season.
- Non-bearing fruit and nut trees in landscapes are only for ornamental use.
- Do not harvest fruit and nut trees from treated trees within one year of application.
- This product may be blended just prior to application or co-applied with other compatible insecticides.

**TURFGRASS**

Arena 0.25 G Insecticide<sup>1</sup> can be used as directed on grass grown in industrial, commercial and residential landscapes such as, airports, athletic fields, cemeteries, commercial sod farms, golf courses, home lawns, parks and playgrounds.

- Arena 0.25 G Insecticide<sup>1</sup> has sufficient residual activity to provide high levels of control when applications are made preceding or during the egg laying activity of the target pests. The need for an application can be based on historical monitoring of the site, previous records or experiences, current season adult trapping or other methods. Follow applications with sufficient irrigation or rainfall to move the active ingredient through the thatch.

**Soil Application**

- Arena 0.25 G Insecticide<sup>1</sup> can be applied to turf at 80 to 160 lbs per acre. The rate is dependent on the target pest(s), their stage of development and the desired control. Multiple applications can be made but do not exceed the maximum amount per year (160 lbs/A). Consult your local State Agricultural Experiment Station, State Extension Turf Specialists or other turf experts for specific information concerning the timing of applications.

When targeting multiple pests, make application to earliest egg lay or adult flight. The high end of the rate range may be used if needed for pest control of secondary pests are desired. Apply Arena 0.25 G Insecticide<sup>1</sup> as a broadcast application to turfgrass for control of targeted pests. Use a calibrated spreader to uniformly broadcast Arena 0.25 G Insecticide<sup>1</sup> over the treatment area. Do not move turfgrass until after irrigation or rainfall has occurred to allow for the uptake and distribution of Arena 0.25 G Insecticide<sup>1</sup> in soil and turfgrass.

**Application Rates**

- Annual Bluegrass: 80 to 160 lbs/A (0.2 to 0.4 lb ai/A)
- Weevil: Average: 80 to 160 lbs/A (0.2 to 0.4 lb ai/A)
- Bagworms: Average: 80 to 160 lbs/A (0.2 to 0.4 lb ai/A)
- Bill Bugs: 160 lbs/A (0.4 lb ai/A) per acre per season
- Attaeius: Average: 80 to 160 lbs/A (0.2 to 0.4 lb ai/A)
- Aphids: Average: 80 to 160 lbs/A (0.2 to 0.4 lb ai/A)
- Spittlebug: Average: 80 to 160 lbs/A (0.2 to 0.4 lb ai/A)
- White Grubs: Average: 80 to 160 lbs/A (0.2 to 0.4 lb ai/A)
- Asian Garden Beetle: Average: 80 to 160 lbs/A (0.2 to 0.4 lb ai/A)
- European Chafer: Average: 80 to 160 lbs/A (0.2 to 0.4 lb ai/A)
- Japanese Beetle: Average: 80 to 160 lbs/A (0.2 to 0.4 lb ai/A)
- Mayfly: Average: 80 to 160 lbs/A (0.2 to 0.4 lb ai/A)
- June Beetle: Average: 80 to 160 lbs/A (0.2 to 0.4 lb ai/A)
- Southern Masked Chafer: Average: 80 to 160 lbs/A (0.2 to 0.4 lb ai/A)
- Oriental Beetle: Average: 80 to 160 lbs/A (0.2 to 0.4 lb ai/A)
- Southern Masked Chafer: Average: 80 to 160 lbs/A (0.2 to 0.4 lb ai/A)
- Armyworms: Average: 80 to 160 lbs/A (0.2 to 0.4 lb ai/A)
- Armyworms (suppression): Average: 80 to 160 lbs/A (0.2 to 0.4 lb ai/A)
- Mole Crickets: Average: 80 to 160 lbs/A (0.2 to 0.4 lb ai/A)
- Graney Fly: Average: 80 to 160 lbs/A (0.2 to 0.4 lb ai/A)
- Graney Fly (suppression): Average: 80 to 160 lbs/A (0.2 to 0.4 lb ai/A)
- Knotweed: Average: 80 to 160 lbs/A (0.2 to 0.4 lb ai/A)
- Nuisance Ants: Average: 80 to 160 lbs/A (0.2 to 0.4 lb ai/A)
- Sod Webworms: Average: 80 to 160 lbs/A (0.2 to 0.4 lb ai/A)
- Crabgrass: Average: 80 to 160 lbs/A (0.2 to 0.4 lb ai/A)
- Crabgrass (suppression): Average: 80 to 160 lbs/A (0.2 to 0.4 lb ai/A)
- Other pests: May apply when pests first appear.

**Ornamental Use**

- Do not apply more than a total of 160 lbs of Arena 0.25 G Insecticide<sup>1</sup> (0.4 lb ai/A) per acre per season.

**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**

Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Completely empty the bag into granular application equipment. Then dispose of the empty bag by depositing in a sanitary landfill, or by other procedures allowed by state and local ordinances.

**PESTICIDE STORAGE**

Store in a dry place away from excessive heat.

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

Store in original container only.

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**Arena®**

0.25G INSECTICIDE

FOR SYSTEMIC INSECT CONTROL IN TURFGRASS, SOD FARMS, LANDSCAPE ORNAMENTALS, INTERIOR PLANTSCAPES AND NON-BEARING FRUITS AND NUTS (IN LANDSCAPES).

Active Ingredient By Wt.  Other Ingredients Total.  

*Clothianidin* .............. 0.25%  99.75%  100.00%  

*(E)-1-(2-chloro-1,3-thiazol-5-ylmethyl)-3-methyl-2-nitroguanidine.*

KEEP OUT OF REACH OF CHILDREN

CAUTION

SEE INSIDE BOOKLET FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

**NET WEIGHT:** 30 POUNDS

**GROUP:** 4A  **INSECTICIDE**

**EPA Reg. No. 59639-157**  **EPA Est. No. 39578-TX-01, 67545-AZ-01**

Superscript is first letter of lot number.