



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs

Registration Division (7505T)

1200 Pennsylvania Ave., N.W.

Washington, D.C. 20460

EPA Reg. Number:

83529-244

Date of Issuance:

10/10/24

NOTICE OF PESTICIDE:

☒ Registration

☐ Reregistration

(under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

Sharda Clothianidin 0.250% +  
Bifenthrin 0.125% WDG

Name and Address of Registrant (include ZIP Code):

Sharda USA, LLC  
c/o SynTech Regulatory  
7217 Lancaster Pike, Suite A  
Hockessin, DE 19707

**Note:** Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA).

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

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

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

*Continues page 2*

Signature of Approving Official:

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

Date:

10/10/24

2. Make the following label changes before you release the product for shipment:
  - Revise the EPA Registration Number to read, "EPA Reg. No. 83529-244."
3. If, after formal consultation with the appropriate Service(s), additional modifications are identified in the Service's Biological Opinion(s) for clothianidin, EPA will notify Sharda USA, LLC in writing consistent with the terms in the Biological Opinion of any necessary required changes. Sharda USA, LLC must submit an application for amendment incorporating any required changes, including amended labels, consistent with the timeline specified in EPA's notification. If Sharda USA, LLC fails to comply with this term, Sharda USA, LLC has agreed in prior written acceptance on June 12, 2023, of these terms that EPA may cancel the registration under an expedited process under FIFRA 6(e).
4. Submit one copy of the final printed label for the record before you release the product for shipment.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) lists examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. The record for this product currently contains the following CSF(s):

- Basic CSF dated 7/22/24

If you have any questions, please contact Marianne Lewis at [lewis.marianne@epa.gov](mailto:lewis.marianne@epa.gov).

Enclosure

[MASTER LABEL]

CLOTHIANIDIN	GROUP	4A	INSECTICIDE
BIFENTHRIN	GROUP	3A	INSECTICIDE

# Sharda Clothianidin 0.250% + Bifenthrin 0.125% WDG

## ABN: Height WDG

For Contact and Systemic Insect Pest Control in Lawns and Landscape Ornamentals Around Residential, Institutional, Public, Commercial and Industrial Buildings, Parks, Recreational Areas, and Athletic Fields.  
Not For Use on Sod Farms or Golf Courses.

### ACTIVE INGREDIENTS:

Clothianidin: (E)-1-(2-chloro-1,3-thiazol-5-ylmethyl)-3-methyl-2-nitroguanidine .....	WT. BY %
Bifenthrin: (2-methyl[1,1'-biphenyl]-3-yl)methyl 3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethyl-cyclopropanecarboxylate .....	0.250%
OTHER INGREDIENTS: .....	0.125%
TOTAL: .....	99.625%
	100.000%

## KEEP OUT OF REACH OF CHILDREN

## CAUTION/PRECAUTION

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

FIRST AID	
IF IN EYES:	<ul style="list-style-type: none"><li>Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li><li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li><li>Call a poison control center or doctor for treatment advice.</li></ul>
IF SWALLOWED:	<ul style="list-style-type: none"><li>Call a poison control center or doctor immediately for treatment advice.</li><li>Have person sip a glass of water if able to swallow.</li><li><b>DO NOT</b> induce vomiting unless told to do so by a poison control center or doctor.</li><li><b>DO NOT</b> give anything by mouth to an unconscious person.</li></ul>
IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none"><li>Take off contaminated clothing.</li><li>Rinse skin immediately with plenty of water for 15-20 minutes.</li><li>Call a poison control center or doctor for treatment advice.</li></ul>
IF INHALED:	<ul style="list-style-type: none"><li>Move person to fresh air.</li><li>If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li><li>Call a poison control center or doctor for further treatment advice.</li></ul>
HOTLINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor or going for treatment. For emergency information concerning this product, call your poison control center at <b>1-800-222-1222</b> .	
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 must NOT be administered as they may increase absorption.	

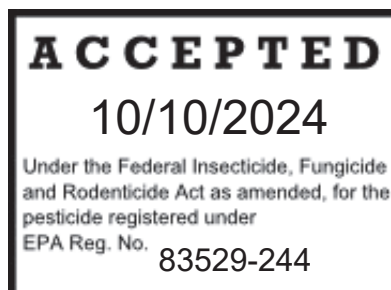
[Optional referral statements when booklets and container labels are used:]

[See label booklet for [additional] [complete] First Aid, [Precautionary Statements,] [Directions For Use,] and Storage and Disposal.]

EPA Reg. No. 83529-XXX

EPA Est. No. XXXXX-XX-XXX

Manufactured for:  
**Sharda USA LLC**   
7217 Lancaster Pike, Suite A  
Hockessin, Delaware 19707



Lot No.:  
Net Contents: \_\_\_\_\_ [Lbs./Kg]

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

#### CAUTION

Causes moderate eye irritation. Harmful if swallowed. Harmful if absorbed through skin. Harmful if inhaled. Avoid breathing spray mist or vapor. Avoid contact with skin, eyes, or clothing.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

##### Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical resistant gloves made out of: barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, natural rubber ≥ 14 mils, polyethylene, polyvinyl chloride ≥ 14 mils, or viton ≥ 14 mils
- Protective eyewear
- Shoes plus socks

Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such 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. Sweeping any product that lands on a driveway, sidewalk, or street, back onto the treated area of the lawn or garden will help to prevent runoff to water bodies or drainage systems. Rinsing application equipment over the treated area will help avoid runoff to water bodies or drainage systems. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. **DO NOT** apply where run off 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.

**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.

**READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.**

#### NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this 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, nurseries, or greenhouses.

**DO NOT** enter or allow others to enter treated areas until sprays have dried.

#### PRODUCT INFORMATION

**Sharda Clothianidin 0.250% + Bifenthrin 0.125% WDG** is a broad-spectrum, long-lasting contact and systemic insecticide for control of listed insects infesting lawns and ornamentals in landscapes and surrounding areas. **Sharda Clothianidin 0.250% + Bifenthrin 0.125% WDG** can be used around residences, business complexes, industrial complexes, airports, playgrounds, school yards, parks and recreation areas, athletic fields, cemeteries, and arboretums.

##### Restrictions:

- **DO NOT** apply on the following: commercial nurseries, commercial greenhouses, grass grown for seed, golf courses and sod farms.
- Keep children and pets out of treated areas until the dust from the application has settled.

- Apply using ground equipment only; **DO NOT** apply by air.
- Apply this product directly to the lawn or garden area. Water treated area as directed on this label. **DO NOT** water to the point of runoff.
- **DO NOT** make applications during rain.
- 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 more than a total of 160 lbs. (0.4 lb. of clothianidin active ingredient, 0.2 lb. bifenthrin active ingredient) of **Sharda Clothianidin 0.250% + Bifenthrin 0.125% WDG** per acre per calendar year.
- **DO NOT** apply this product, by any application method, to linden, basswood or other *Tilia* species.

#### RESISTANCE MANAGEMENT

For resistance management, **Sharda Clothianidin 0.250% + Bifenthrin 0.125% WDG** contains both clothianidin (classified in the neonicotinoids chemical class as a Group 4A insecticide, Nicotinic acetylcholine receptor (nAChR) agonists) and bifenthrin (classified in the pyrethroids pyrethrins chemical class as a Group 3A insecticide, sodium channel modulators).

Any insect population may contain individuals naturally resistant to **Sharda Clothianidin 0.250% + Bifenthrin 0.125% WDG** and other Group 4A or Group 3A insecticides. The resistant individuals may dominate the insect population if these insecticides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

To delay insecticide resistance, take the following steps:

- Rotate the use of **Sharda Clothianidin 0.250% + Bifenthrin 0.125% WDG** or other Group 4A and 3A insecticides within a growing season, or among growing seasons, with different groups that control the same pests.
- Use tank mixtures with insecticides from a different group that are equally effective on the target pest when such use is permitted. Do not rely on the same mixture repeatedly for the same pest population. Consider any known cross-resistance issues (for the targeted pests) between the individual components of a mixture.
- In addition, consider the following recommendations provided by the Insecticide Resistance Action Committee (IRAC):
  - Individual insecticides selected for use in mixtures should be highly effective and be applied at the rates at which they are individually registered for use against the target species.
  - Mixtures with components having the same IRAC mode of action classification are not recommended for insect resistance management.
  - When using mixtures, consider any known cross-resistance issues between the individual components for the targeted pest(s).
  - Mixtures become less effective if resistance is already developing to one or both active ingredients, but they may still provide pest management benefits.
  - The insect resistance management benefits of an insecticide mixture are greatest if the two components have similar periods of residual insecticidal activity. Mixtures of insecticides with unequal periods of residual insecticide activity may offer an insect resistance management benefit only for the period where both insecticides are active.
- Adopt an integrated pest management program for insecticide use that includes scouting, uses historical information related to pesticide use, crop rotation, record keeping, and which considers cultural, biological, and other chemical control practices.
- Monitor after application for unexpected target pest survival. If the level of survival suggests the presence of resistance, consult with your local university specialist or certified pest control advisor.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for the specific site and pest problems in your area.
- For further information or to report suspected resistance, contact Sharda USA LLC or [www.shardausa.com](http://www.shardausa.com).

#### APPLICATION EQUIPMENT

Apply **Sharda Clothianidin 0.250% + Bifenthrin 0.125% WDG** uniformly over the area being treated with standard granular application equipment. Use either drop-type or rotary-type spreaders to apply **Sharda Clothianidin 0.250% + Bifenthrin 0.125% WDG**.

**DO NOT** use spreaders that apply the material in narrow, concentrated bands. Calibrate application equipment prior to use according to the manufacturer's directions. Check frequently to be sure equipment is working properly and distributing granules uniformly and accurately. In order to ensure continuing delivery of the correct amount of **Sharda Clothianidin 0.250% + Bifenthrin 0.125% WDG** further adjustments to the settings must be made periodically during application.

#### APPLICATION INSTRUCTIONS

##### TURFGRASS, LAWNS AND LANDSCAPED AREAS

**Sharda Clothianidin 0.250% + Bifenthrin 0.125% WDG** can be used for broad spectrum insect control in lawns. **Sharda Clothianidin 0.250% + Bifenthrin 0.125% WDG** can be used around residences, business complexes, industrial complexes, airports, playgrounds, school yards, parks and recreation areas, athletic fields, cemeteries, and arboretums.

**Sharda Clothianidin 0.250% + Bifenthrin 0.125% WDG** 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. Applications made in advance of egg laying or to areas being damaged- by existing white grubs or scavenging animals will be controlled with applications of **Sharda Clothianidin 0.250% + Bifenthrin 0.125% WDG** anytime white grubs are active. Multiple applications can be made each growing season but **DO NOT** use more than 160 lbs. of product (0.4 lb. of clothianidin a.i. and 0.2 lb. bifenthrin a.i.) per acre per calendar year. You may also use additional products containing bifenthrin as long as the maximum amount of bifenthrin does not exceed 0.4 lb. a.i. per acre per calendar year.

**Sharda Clothianidin 0.250% + Bifenthrin 0.125% WDG** can be applied to turf at 80 - 160 lbs. per acre per calendar year (1.8 - 3.6 lbs. per 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 the higher rate within the rate range when longer residual control is desired for control of multiple insect pests or late season rescue applications are made to lawns already showing grub damage or damage due to scavenging of animals. Multiple applications can be made but **DO NOT exceed** the maximum amount per calendar year (160 lbs. of **Sharda Clothianidin 0.250% + Bifenthrin 0.125% WDG** (0.4 lb. of clothianidin a.i. and 0.2 lb. bifenthrin a.i.) per acre per calendar year or 3.6 lbs. per 1,000 sq. ft. per calendar year).

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 (including annual bluegrass weevil) and for full season control of white grubs, make the first application of **Sharda Clothianidin 0.250% + Bifenthrin 0.125% WDG** at peak adult activity or when other insect pests reach a damaging population in the spring at a rate of 100 - 160 lbs. per acre (2.3 - 3.6 lbs. per 1,000 sq. ft.). For control of white grubs at standard application timing, apply 80 - 160 lbs. per acre (1.8 - 3.6 lbs. per 1,000 sq. ft.) just prior peak adult activity or to early instar larvae.

If target insects are in the thatch, lightly water in after application with enough water to wet the thatch zone. For control of armyworms, cutworms and other surface feeders, apply 80 - 160 lbs. per acre (1.8 - 3.6 lbs. per 1,000 sq. ft.) at the first sign of insects or insect damage. Repeat applications up to a total of 160 lbs. product/A per calendar year (3.6 lbs. per 1,000 sq. ft. per calendar year) to control additional flushes of insects. Up to a total of 160 lbs. of **Sharda Clothianidin 0.250% + Bifenthrin 0.125% WDG** (0.4 lb. of clothianidin a.i. and 0.2 lb. bifenthrin a.i.) per acre per calendar year (3.6 lbs. per 1,000 sq. ft. per calendar year) 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.

#### Restrictions:

- DO NOT** apply more than a total of 160 lbs. of **Sharda Clothianidin 0.250% + Bifenthrin 0.125% WDG** (0.4 lb. of clothianidin a.i. and 0.2 lb. of bifenthrin a.i.) per acre per calendar year.
- If the maximum season limit of **Sharda Clothianidin 0.250% + Bifenthrin 0.125% WDG** 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. a.i. per acre per calendar year.
- DO NOT** mow until after irrigation or rainfall has occurred so that uniformity of application will not be affected.
- For listed surface insects, DO NOT water in Sharda Clothianidin 0.250% + Bifenthrin 0.125% WDG for at least 24 hours after the application.**

Turfgrass and Lawns	
Insect Pest	Application Rate
Annual Bluegrass Weevil/Hyperodes (Adults) <sup>1</sup>	1.8 - 3.6 lbs. per 1,000 sq. ft. (80 - 160 lbs. per acre)
Annual Bluegrass Weevil/Hyperodes (Larvae) <sup>1</sup>	
Ants <sup>2</sup> , Nuisance (Excluding Fire, Harvester, Pharaoh, and Carpenter Ants)	
Armyworms	
Billbugs <sup>3</sup>	
Black Turfgrass Ataenius <sup>4</sup>	
Chiggers	
Chinch Bugs	
Cutworms	
European Crane Fly	
Grasshoppers	
Leafhoppers	
Mole Crickets <sup>5</sup>	
Pillbugs	
Sod Webworms	
Sowbugs	
Spittle Bug	
Sugarcane Grub	
White Grubs <sup>6</sup> (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)	



Ticks <sup>7</sup>	3.2 lbs. per 1,000 sq. ft. (137 lbs. per acre)
Fire Ants, Red Imported <sup>8</sup>	2.3 - 3.6 lbs. per 1,000 sq. ft. (100 - 160 lbs. per acre)
<p><sup>1</sup><b>Annual Bluegrass Weevil:</b> Application can be timed for adult weevils as they move from their over-wintering sites into turf. This movement usually begins 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 100 - 160 lbs. per acre targeted towards Annual Bluegrass Weevil/Hyperodes.</p> <p><sup>2</sup><b>Applications of Sharda Clothianidin 0.250% + Bifenthrin 0.125% WDG in the late fall or early spring will reduce populations of nuisance ants (excluding fire, harvester, pharaoh, and carpenter ants.).</b> 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 ants are foraging.</p> <p><sup>3</sup><b>Billbugs:</b> 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><sup>4</sup><b>Black Turfgrass Ataenius:</b> Application can be timed to coincide with the first generation of Black Turfgrass Ataenius that usually appears during May. White grubs will be controlled with an application targeted towards Black Turfgrass Ataenius.</p> <p><sup>5</sup><b>Mole Crickets:</b> Apply during peak adult flight and egg lay. If the soil is dry, irrigate before application to stimulate insect activity and water after application to release the insecticide from the granule carrier.</p> <p><sup>6</sup><b>White Grubs:</b> Apply when white grubs are active from early spring to late fall. The residual activity of <b>Sharda Clothianidin 0.250% + Bifenthrin 0.125% WDG</b> is long enough to provide season long control of white grubs when applied for control of early season insects including Annual Bluegrass Weevil, Billbugs, and Nuisance Ants, overwintering White Grubs, or other early season insects.</p> <p><sup>7</sup><b>Ticks (including ticks that may transmit Lyme Disease and Rocky Mountain Spotted Fever):</b> Treat the entire area where exposure to ticks may occur. Ticks may be reintroduced from surrounding areas on host animals. <b>Deer Ticks (Ixodes sp.):</b> Apply 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. <b>American Dog Ticks (Dermacentor sp.):</b> 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.</p> <p><sup>8</sup><b>Imported Fire Ants:</b> Broadcast applications at 100 -160 lbs. per acre will control foraging workers. If the soil is not moist, irrigate before application. To activate the granules immediately, water in with a light (0.25 inch) irrigation to release the toxicant from the granules. <b>For mound treatments,</b> use 2.3 - 3.6 lbs. per 1,000 sq. ft. (use 0.7 oz. per mound when applied to a 4 ft. diameter circle) <b>Sharda Clothianidin 0.250% + Bifenthrin 0.125% WDG.</b> This product will work best when the mound has been disturbed and the fire ants are mobile. Then drench in with 1 - 2 gals. of water. 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.</p>	

When treating perimeters of structures, make the application to the ground from 5 - 10 feet adjacent to the structure.

For Perimeter Applications									
Application Rate: Lbs. per 1,000 Sq. Ft.	Band Width in Feet	Lbs. of Sharda Clothianidin 0.250% + Bifenthrin 0.125% WDG/Linear Distance (Feet) Around Structure							
		100	150	200	250	300	400	500	1,000
1.8	5	1	1.5	2	2.5	3	4	5	10
1.8	10	2	3	4	5	6	8	10	20
2.8	5	1.4	2	2.8	3.5	4.2	5.6	7	14
2.8	10	3	4.5	6	7.5	9	12	15	30
3.6	5	2	3	4	5	6	8	10	20
3.6	10	3.6	5.4	7.2	9	10.8	14.4	18	36
<b>Note:</b> This table provides amounts which include the total area to be treated. This area includes the area of a circle whose radius is the bandwidth (this accounts for the area treated at the 4 corners of the structure) plus the linear distance treated times the bandwidth.									

Spreader	Granular Spreader Settings		
	2 lbs. per 1,000 sq. ft.	3 lbs. per 1,000 sq. ft.	4 lbs. per 1,000 sq. ft.
Cyclone	3	4	4 1/4
Lely	3 II	4 II	5 II
Lesco	10	15	16
Scotts R8A/SR-1	I	K	L
Spyker	3	3 1/2	4 1/4
Viccon	20	22	23
<b>Note:</b> Spreader settings are approximate starting points for calibrating equipment.			

### LANDSCAPE ORNAMENTALS

**Sharda Clothianidin 0.250% + Bifenthrin 0.125% WDG** is a broad-spectrum, contact and long-lasting systemic insect control product for a wide spectrum of insects infesting landscape ornamentals adjacent to turf areas. **Sharda Clothianidin 0.250% + Bifenthrin 0.125% WDG** can be used around residences, business complexes, industrial complexes, airports, playgrounds, school yards, parks and recreation areas, athletic fields, cemeteries, and arboretums.

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. Following application, 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.

#### Restriction:

- **DO NOT** apply more than a total of 160 lbs. of **Sharda Clothianidin 0.250% + Bifenthrin 0.125% WDG** as a broadcast application (0.4 lb. of clothianidin a.i. and 0.2 lb. bifenthrin a.i.) per acre per calendar year.
- If the maximum season limit of **Sharda Clothianidin 0.250% + Bifenthrin 0.125% WDG** 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. a.i. per acre per calendar year.

Landscape Ornamentals - Soil Insect Pest			
Soil Insect Pest Controlled		Soil Surface or Mulch Application	Application Instructions
Ants, Nuisance (Excluding Fire, Harvester, Pharaoh, and Carpenter Ants)	Fall Armyworms	1.8 - 3.6 lbs. per 1,000 sq. ft. (80 - 160 lbs. per acre)	<b>Sharda Clothianidin 0.250% + Bifenthrin 0.125% WDG must be watered in or receive rainfall after application to be activated.</b> 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 trees and woody shrubs see below.
Beet Armyworm	Grasshoppers		
Beetles	Millipedes		
Black Vine Weevils (Adults)	Pillbugs		
Centipedes	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)		
Crickets			
Cutworms			
<i>Diaprepes</i> (Adults)			
Earwigs			
Landscape Ornamentals - Above Ground Insect Pest			
Above Ground Insect Pest Controlled		Soil Surface or Mulch Application	Application Instructions
Aphids	Leafminers	3 - 3.6 lbs. per 1,000 sq. ft. (132 - 160 lbs. per acre)	<b>Sharda Clothianidin 0.250% + Bifenthrin 0.125% WDG must be watered in or receive rainfall after application to be activated.</b> 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 trees and woody shrubs see below.
Azalea Lace Bug	Leafrollers		
Caterpillars	Mealybugs		
Flea Beetles	Plant Bugs (including <i>Lygus</i> spp.)		
Florida Wax Scale	Root Weevils (including Black Vine Weevils)		
Glassy-winged Sharpshooter			
Gypsy Moth Caterpillars	Scales, Soft		
Japanese Beetles (Adults)	Whiteflies		
Leafhoppers			

### ORNAMENTAL TREES, NON-BEARING FRUIT AND NUT TREES, AND WOODY SHRUBS IN LANDSCAPE AREAS ADJACENT TO TURF AREAS

**Sharda Clothianidin 0.250% + Bifenthrin 0.125% WDG** can be used for systemic control of insects with an application on trees in landscapes adjacent to turf areas. **Sharda Clothianidin 0.250% + Bifenthrin 0.125% WDG** contains clothianidin which is systemic and will be translocated throughout the tree or shrub. Treat the area over the root zone of the trees/shrubs or apply the insecticide around the "root well" of the plant.

**Sharda Clothianidin 0.250% + Bifenthrin 0.125% WDG** 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 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 follow up with granule application. Following application, water in after application with enough water to move the insecticide into the root zone of the trees.

For trees and shrubs adjacent to turf areas, use 0.4 - 0.8 lb. of **Sharda Clothianidin 0.250% + Bifenthrin 0.125% WDG** per inch of cumulative trunk diameter (DBH) of the plant(s). For hedges and shrubs, use 0.5 - 1.0 lb. of **Sharda Clothianidin 0.250% + Bifenthrin**



**0.125% WDG** per foot of height or 5 - 10 lbs. of **Sharda Clothianidin 0.250% + Bifenthrin 0.125% WDG** per 10 cumulative ft. of height. Before application remove any plastic or other barriers that may prevent the insecticide from reaching the root zone of the plants. For treatment of individual trees or shrubs, broadcast **Sharda Clothianidin 0.250% + Bifenthrin 0.125% WDG** evenly on the soil around the base of the plants within 18 inches of the trunks. 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 the root zone.

For Bronze Birch Borers, Flatheaded Borers (excluding Emerald Ash Borer) and other Borers (excluding Asian Longhorned Beetles): Make an application around the trunk of the trees when the trees are actively growing. Use 0.2 - 0.4 lb. of **Sharda Clothianidin 0.250% + Bifenthrin 0.125% WDG** per inch DBH in a 1 - 2 ft. area around the trunk of the trees.

#### Restriction:

- DO NOT** apply more than a total of 160 lbs. of **Sharda Clothianidin 0.250% + Bifenthrin 0.125% WDG** (0.4 lb. of clothianidin a.i. and 0.2 lb. bifenthrin a.i.) per acre per calendar year.

## 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.

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

#### CONTAINER HANDLING:

**Nonrefillable Plastic (Capacity Equal to or Less Than 50 Pounds):** Nonrefillable container. **DO NOT** reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then, for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.]

**[[Nonrefillable Plastic (Capacity Greater Than 50 Pounds):]** Nonrefillable container. **DO NOT** reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then, for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.]

**[[Nonrefillable Plastic, e.g., Intermediate Bulk Containers [IBC] (Size or Shape Too Large to be Tipped, Rolled or Turned Upside Down):]** Nonrefillable container. **DO NOT** reuse or refill this container. Clean container promptly after emptying the contents from this container into application equipment or mix tank and before final disposal using the following pressure rinsing procedure. Insert a lance fitted with a suitable tank cleaning nozzle into the container and ensure that the water spray thoroughly covers the top, bottom, and all sides inside the container. The nozzle manufacturer generally provides instructions for the appropriate spray pressure, spray duration and/or spray volume. If the manufacturer's instructions are not available, pressure rinse the container for at least 60 seconds using a minimum pressure of 30 PSI with a minimum rinse volume of 10% of the container volume. Drain, pour or pump rinsate into application equipment or rinsate collection system. Repeat this pressure rinsing procedure two more times. Then, for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.]

**[[Refillable HDPE Containers:]** Refillable HDPE container. Refilling HDPE Container: Refill this container with this pesticide only. **DO NOT** reuse this container for any other purpose. Cleaning before refilling is the responsibility of the refiller. Prior to refilling, inspect carefully for damage including cracks, punctures, abrasions, worn out threads and closure devices. If damage is found, **DO NOT** use the container, contact CHEMTREC at the number below for instructions. Check for leaks after refilling and before transporting. If leaks are found, **DO NOT** reuse or transport container, contact CHEMTREC at the number below for instructions. Disposing of Container: **DO NOT** reuse this container for any other purpose other than refilling (see preceding). Cleaning the container before final disposal is the responsibility of the person disposing of the container. To clean the container before final disposal, use the following pressure rinsing procedure. Insert a lance fitted with a suitable tank cleaning nozzle into the container and ensure that the water spray thoroughly covers the top, bottom, and all sides inside the container. The nozzle manufacturer generally provides instructions for the appropriate spray pressure, spray duration and/or spray volume. If the manufacturer's instructions are not available, pressure rinse the container for at least 60 seconds using a minimum pressure of 30 PSI with a minimum rinse volume of 10% of the container volume. Drain, pour or pump rinsate into application equipment or rinsate collection system. Repeat this pressure rinsing procedure two more times. Then, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.]

#### CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

**NOTICE:** Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather, presence of other materials or other influencing factors in the use of the product, which are beyond the control of Sharda USA LLC or Seller.

To the extent consistent with applicable law, all such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Sharda USA LLC and Seller harmless for any claims relating to such factors.


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[OPTIONAL MARKETING LANGUAGE]

1	<div><div><a href="https://shardausa.com/">https://shardausa.com/</a></div><div></div><div>[ ]</div></div>
2	[Handle with Care]
3	[This side Up]