

LAMBDA-CYHALOTHRIN GROUP 3A INSECTICIDE

Ladder

For Use Around Buildings and Structures for the Control of Listed Pests on Lawns and Around Ornamental Trees and Shrubs Around Institutional, Commercial, Agricultural and Industrial Buildings; and Around Ornamental Trees and Shrubs Around Residential and Public Buildings.

Not for use on golf course turf.

ACTIVE INGREDIENT:

Lambda-Cyhalothrin* WT. BY % 0.045%

OTHER INGREDIENTS: 99.955%

TOTAL: 100.000%

*Synthetic pyrethroid, granule

KEEP OUT OF REACH OF CHILDREN CAUTION

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.)

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 5 minutes, then continue rinsing eye.
- Call a poison control center or doctor for treatment advice.

HOTLINE NUMBERS

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 **1-800-222-1222**. For general information about this product, contact the National Pesticides Information Center (NPIC) at **1-800-858-7378**, Monday through Friday, 8 AM to 12 PM PST, or at <http://npic.orst.edu>.

See label booklet for Precautionary Statements,
Directions For Use, and Storage and Disposal.

Manufactured For:

Sharda USA LLC 

7217 Lancaster Pike, Suite A
Hockessin, Delaware 19707

EPA Reg. No. 83529-325

EPA Est. No. **DI** 5905-IA-001; **GH** 70815-GA-002; **MA** 83411-MN-001;
MC 89332-GA-001; **SC** 39578-TX-001; **TX** 07401-TX-001

The EPA Establishment Number is identified by the circled letters above that match the first two letters in the batch number.

Net Contents: 25 lbs.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Causes moderate eye irritation. Avoid contact with eyes, or clothing. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

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 run-off to water bodies or drainage systems.

DIRECTIONS FOR USE

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

If product is watered in, keep children and pets off treated areas until area is dry.

Restrictions:

- For outdoor use only.
- **DO NOT** apply more than 800 lbs. (0.36 lb. a.i.) of **Ladder** per acre per year.
- **DO NOT** apply this product by aerial application.
- Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes. For use on plants intended for aesthetic purposes or climatic modification and being grown in outdoor ornamental gardens or parks, or on lawns or grounds in non-residential areas.
- **DO NOT** use on golf course turf.
- **DO NOT** apply this product to edible growing crops or stored raw agricultural commodities used for food or feed.
- Apply this product directly to the lawn or garden area. Water treated area as directed on this label. **DO NOT** apply or irrigate to the point of run-off.
- **DO NOT** make applications during rain. Avoid making applications when rainfall is expected before the product has sufficient time to dry (minimum 4 hours). Rainfall within 24 hours after application may cause unintended runoff of pesticide application.
- **DO NOT** apply the product into fish pools, ponds, streams, or lakes. **DO NOT** apply directly to sewers or storm drains, or to any area like a drain or 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** allow applications to contact water inhabited by fish, including in ornamental fish ponds that are located around structures being treated.
- Use of this pesticide adjacent to water may affect aquatic organisms. To protect these organisms, for soil or foliar applications, **DO NOT** apply this pesticide within 25 ft. of lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries, and commercial fish farm ponds.
- **State of New York: DO NOT** apply within 100 ft. of coastal marshes or streams that drain into coastal marshes.

Precautions:

- Uniform coverage is necessary to provide the most effective level of control.
- Consult your State University or local Cooperative Extension Service office for specific pest control application timing in your area.
- Application to turf must be started prior to the establishment of high insect pest populations and significant turf damage. Make reapplications as necessary to keep pest populations under control, using higher labeled rates as pest pressure increases.

INSECT RESISTANCE MANAGEMENT

For resistance management, **Ladder** contains a Group 3A insecticide. Any insect population may contain individuals naturally resistant to **Ladder** and other Group 3A insecticides. The resistant individuals may dominate the insect population if this group of insecticides are used repeatedly in the same treated areas. Appropriate resistance-management strategies must be followed.

To delay insecticide resistance, take the following steps:

- Rotate the use of **Ladder** or other Group 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/acaricides 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 your Sharda USA LLC representative.

USE INFORMATION

LAWN AND PERIMETER PEST CONTROL

Ladder may be used for applications to maintain lawn and perimeter pest control around industrial, commercial, and agricultural buildings; and perimeter pest control around residential buildings and parks, recreational areas and athletic fields where turf and ornamental ground covers are grown: non-residential landscapes around institutional, commercial, and industrial buildings. **Ladder** is also for use around structures and landscapes on areas of bare soil, mulched areas, or vegetation not being grown for food use in non-residential areas.

Broadcast **Ladder** with suitable application equipment to ensure uniform coverage over the treatment area. The application rates listed in the **Lawn and Perimeter Use Rate** table will provide control of the respective pests under typical conditions. Use higher labeled use rate for longer length of control.

Although not required, optimal results may be achieved by watering in granules after application as the active ingredient is released from the granule in the presence of moisture.

For perimeter treatments around foundations, applications may be made as needed during periods of pest pressure. **DO NOT** exceed 18 lbs. per 1,000 square feet (sq. ft.) or 800 lbs. per acre per year.

Lawn and Perimeter Use Rate

Pests		Ladder Rate
Ants	Leafhoppers	88 - 131 lbs. per acre (0.04 - 0.06 lb. a.i./A) Or 2 - 3 lbs. per 1,000 sq. ft.
Armyworms	Millipedes	
Beetles	Mites	
Centipedes	Palmetto Bugs	
Cockroaches	Pillbugs	
Crickets	Silverfish	
Cutworms	Sod Webworms (Lawn Moths)	
Earwigs	Sowbugs	
European Crane Flies	Spider Mites (Two-Spotted, Spruce)	
Firebrats	Spittlebugs	
Fleas	Springtails	
Grasshoppers	Ticks	
Green June Beetles	Waterbugs	
Japanese Beetle (Adults)		
Billbugs	Hyperodes Weevils	131 - 176 lbs. per acre (0.06 - 0.078 lb. a.i./A) Or 3 - 4 lbs. per 1,000 sq. ft.
Chinch Bugs	Japanese Beetle Grubs*	
Dung Beetles*	Mole Crickets	
Green June Beetle Grubs*		
Ants		Spot Treatment: Apply 1 - 2 teaspoons around each anthill.
*Suppression only.		

SPECIFIC USE DIRECTIONS

Treatment Around Foundations

For control of ants, beetles, centipedes, cockroaches, crickets, earwigs, firebrats, millipedes, mites, silverfish, sowbugs, and other listed pest commonly found around or near foundation of structures as well as in yards. Certain amounts of these pests may enter houses. Applying a continual band of insecticide around a building foundation can greatly reduce the potential for entry by crawling pests. For optimal control, remove debris and leaf litter from next to the foundation, cut back vegetation and branches that touch the foundation, and move or rake back rocks, deep mulch, or other potential pest harborage next to the foundation prior to application. Apply a 5- to 10-foot band of granules next to the structure foundation. Apply at the rate of 2 - 3 lbs. per 1,000 sq. feet. Distribute granules uniformly. For optimal control, water lightly to release the active ingredient from the granules.

General Lawn Application (Non-Residential)

For control of ants, armyworms, centipedes, cockroaches, crickets, cutworms, earwigs, grasshoppers, green June beetles, Japanese beetles (adults), leafhoppers, millipedes, mites, pillbugs, sod webworms, spider mites, spittlebugs, springtails, and other listed pests. Apply at the rate of 2 - 3 lbs. per 1,000 sq. ft. with a fertilizer spreader when grass is dry. For best results, water lawn lightly to dissolve granules.

For control or suppression of billbugs, chinch bugs, dung beetles, green June beetle grubs, Hyperodes weevils, Japanese beetle grubs and mole crickets, water grass thoroughly after application for best results. For billbug control, apply when activity is first observed or when chewed or brown grass indicates damage from these insects. For grub suppression, except dung beetle, treat any time between late July and early October. For dung beetle grub suppression, apply in spring or early summer when damage is first noticed. For best results, water grass thoroughly as soon as possible after application. Treat again in late summer or early fall if a second generation occurs. For chinch bugs, use higher labeled rates during summer when both nymphs and adults may be present. For mole crickets, make applications for adults during early spring when grass areas may be subject to continuous invasion. For best results, apply as late in the day as possible and water in as soon as possible following treatment. When the soil is not moist, irrigation before application will bring mole crickets closer to the surface to enhance contact with the granule. Applications at the time of peak egg hatch will increase control of early nymphal stages that are more susceptible to insecticides. As nymphs mature, higher rates may be necessary.

Spot Treatment for Ants (Except Fire Ants)

For general ant control (except fire ants), apply 1 - 2 teaspoons over and around each ant hill. Lightly water to dissolve granules. For optimal results, apply water gently to avoid disturbing ants. Use of high-pressure watering equipment may disturb the ants and cause migration reducing product effectiveness. **Note:** Difficult or extensive ant infestations will benefit from a combination of broadcast treatments and spot applications. If soil is not moist, irrigate before application to bring ants closer to the surface to enhance control with **Ladder**.

STORAGE AND DISPOSAL

DO NOT contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE: Keep out of reach of children and animals. Store in original containers only. Store in a cool, dry place and avoid excess heat. Reclose container tightly after each use.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility. Improper disposal of unused pesticide, spray mixture, or rinse water is a violation of Federal law. If these wastes cannot be used according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER HANDLING:

Nonrefillable Outer Bag: DO NOT reuse or refill the outer bag. Completely empty bag into application equipment. Offer bag for recycling if available. If recycling is not available, then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

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 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. **DO NOT** burn, unless allowed by State and local ordinances.

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 1/4 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, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. **DO NOT** burn, unless allowed by State and local ordinances.

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, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

Nonrefillable Paper or Plastic Bags, Fiber Sacks including Flexible Intermediate Bulk Containers (FIBC) or Fiber Drums with Liners: Nonrefillable container. **DO NOT** reuse or refill this container. Completely empty paper or plastic bag, fiber sack or drum liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application or manufacturing equipment. Then offer for recycling if available or dispose of empty paper or plastic bag, fiber sack or fiber drum and liner in a sanitary landfill, or by incineration. **DO NOT** burn, unless allowed by State and local ordinances.

Refillable Fiber Drums with Liners: Refillable container (fiber drum only). Refilling Fiber Drum: Refill this fiber drum with this pesticide only. **DO NOT** reuse this fiber drum for any other purpose. Cleaning before refilling is the responsibility of the refiller. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application or manufacturing equipment. Disposing of Fiber Drum and/or Liner: **DO NOT** reuse this fiber drum for any other purpose other than refilling (see preceding). Cleaning the container (liner and/or fiber drum) before final disposal is the responsibility of the person disposing of the container. Offer the liner for recycling if available or dispose of liner in a sanitary landfill, or by incineration. **DO NOT** burn, unless allowed by State and local ordinances. If drum is contaminated and cannot be reused, dispose of it in the manner required for its liner. To clean the fiber drum before final disposal, completely empty the fiber drum by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application or manufacturing equipment. Then offer the fiber drum for recycling if available or dispose of in a sanitary landfill, or by incineration. **DO NOT** burn, unless allowed by State and local ordinances.

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.

Sharda USA LLC 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 referred to above, when used in accordance with directions under normal use conditions. To the extent consistent with applicable law, this warranty does not extend to the use of this product contrary to label instructions, or under conditions not reasonably foreseeable to or beyond the control of Seller or Sharda USA LLC and Buyer and User assume the risk of any such use. To the extent consistent with applicable law, SHARDA USA LLC MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

To the extent consistent with applicable law, neither Sharda USA LLC nor Seller shall be liable for any incidental, consequential, or special damages resulting from the use or handling of this product. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF SHARDA USA LLC AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF SHARDA USA LLC OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

Sharda USA LLC and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of Sharda USA LLC.

All trademarks are the property of their respective owners.

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OPEN HERE