OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

November 19, 2025

Yash Joshi
yash.joshi@syntechresearch.com
SHARDA USA LLC

Subject: Non-PRIA (Pesticide Registration Improvement Act) Labeling Amendment - Revise DFU with an option to mix with liquid fertilizer
Product Name: SHARDA BIFENTHRIN 17.15% LFC
Admin Number: 83529-79
EPA Receipt Date: 09/22/2025
Action Case Number: 00672261

Dear Yash Joshi:

The amended labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable.

This approval does not affect any terms or conditions that were previously imposed on this registration. You continue to be subject to existing terms or conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one (1) copy of the final printed labeling before you release this product for shipment with the new labeling. In accordance with 40 CFR § 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. “To distribute or sell” is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR § 152.3.

The label submitted with the application has been stamped "Accepted Only Indicated Revisions Reviewed" and is enclosed for your records.

Should you wish to add/retain a reference to your company’s website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by EPA. If the website is false or misleading, the product will be considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the 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 EPA find or if it is brought to our attention that a website contains statements or claims substantially differing from statements or claims made in connection with obtaining a FIFRA section 3 registration, the website will be referred to the EPA’s Office of Enforcement and Compliance Assurance.

Your release for shipment of this product constitutes acceptance of these terms. If these terms are not complied with, this registration will be subject to cancellation in accordance with FIFRA section 6.

If you have questions, please contact Elizabeth Andrews via email at andrews.elizabeth@epa.gov.

Sincerely,

Jacquelyn Herrick, Product Manager 3
IVB1, RD
Office of Pesticide Programs

[MASTER LABEL]

RESTRICTED USE PESTICIDE

Toxic to fish and aquatic organisms. For retail sale to and use only by certified applicators, or persons under their direct supervision and only for those uses covered by the certified applicator's certification.

ACCEPTED
ONLY INDICATED
REVISIONS REVIEWED
11/19/2025

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No.
83529-79
No label revisions other than those indicated were reported to the Agency.

BIFENTHRIN	GROUP	3A	INSECTICIDE

Sharda Bifenthrin 17.15% LFC

ABN: Strict

ABN: Suro LFC

A soil insecticide for the control of labeled soil insect pests

ACTIVE INGREDIENT:	**WT. BY %**
Bifenthrin*	17.15%
OTHER INGREDIENTS:	82.85%
TOTAL:	**100.00%**

Contains 1.5 lbs. of active ingredient per gallon.
*Cis isomer 97% minimum and trans isomer 3% maximum

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 this label, find someone to explain it to you in detail.)

FIRST AID	
IF SWALLOWED:	• Call a 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 a poison control center or doctor. • **DO NOT** give anything by mouth to an unconscious person.
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 further treatment advice.
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 **1-800-222-1222**.	
Note to Physician: This product is a pyrethroid. If large amounts have been ingested, the stomach and intestines should be evacuated. Treatment is symptomatic and supportive. Digestible fats, oils, or alcohol may increase absorption and so should be avoided.	

[*Optional referral statements when booklets and container labels are used:*
See Panel for First Aid Instructions and booklet for complete Precautionary Statements and Directions For Use.
See label booklet for complete Precautionary Statements, Directions For Use, and Storage and Disposal.
See label booklet for additional Precautionary Statements, Directions For Use, and Storage and Disposal.
See label booklet for complete Directions For Use.]

EPA Reg. No. 83529-79 **EPA Est. No. XXXXX-XX-XXX**

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

Net Contents: _____[Gal./L.]

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

May be fatal if swallowed. 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.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves including barrier laminate, butyl rubber ≥14 mils, nitrile rubber ≥14 mils, neoprene rubber ≥14 mils, polyvinyl chloride (PVC) ≥14 mils, or Viton® ≥14 mils
- Shoes plus socks

Mixers and Loaders must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves including barrier laminate, butyl rubber ≥14 mils, nitrile rubber ≥14 mils, neoprene rubber ≥14 mils, polyvinyl chloride (PVC) ≥14 mils, or Viton® ≥14 mils
- Shoes plus socks
- Protective eyewear

Mixers and Loaders supporting aerial applications to cotton must wear at a minimum:

- Long-sleeved shirt and long pants,
- Chemical-resistant gloves such as barrier laminate, butyl rubber (> 14 mils), nitrile rubber (> 14 mils), neoprene rubber (> 14 mils), natural rubber (> 14 mils), polyethylene, polyvinyl chloride (PVC) (> 14 mils), or Viton (> 14 mils),
- Shoes plus socks

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. **DO NOT** reuse them. Follow manufacturer's instructions for cleaning and 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/PPE 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 pesticide is extremely toxic to fish and aquatic invertebrates. Use with care when applying in areas adjacent to any body of water. **DO NOT** apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. **DO NOT** apply when weather conditions favor drift from treated areas. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. **DO NOT** contaminate water when disposing of equipment washwaters.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. **DO NOT** apply this product or allow it to drift to blooming crops or weeds while bees are foraging the treatment area. The use of bifenthrin is prohibited in areas that may result in exposure of endangered species to bifenthrin. **Protect pollinating insects by following label directions intended to minimize drift and to reduce risk to these organisms.** Prior to use in a particular county, contact the local extension service for procedures and precautions to use to protect endangered species.

DIRECTIONS FOR USE

RESTRICTED USE PESTICIDE

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

For outdoor use only.

DO NOT apply this product in a 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. This labeling must be in the possession of the user at the time of pesticide application.

DO NOT apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

All outdoor spray applications must be limited to spot treatments only, except for the following permitted uses:

1. Application to pervious surfaces such as soil, and other vegetation;

Spot treatments must not exceed two square feet in size (for example, 2 ft. by 1 ft. or 4 ft. by 0.5 ft.).
For soil or foliar applications, **DO NOT** apply by ground within 25 feet of lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries and commercial fish farm ponds.
DO NOT spray 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 apply or irrigate to the point of runoff.

DO NOT apply 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. Treat surfaces to ensure thorough coverage but avoid runoff.
DO NOT apply when the wind speed is greater than 15 mph.

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 agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

DO NOT enter or allow worker entry into treated areas during the restricted-entry interval (REI) of **12 hours**.

PPE required for early entry to 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
- Chemical-resistant gloves made of barrier laminate, butyl rubber ≥14 mils, nitrile rubber ≥14 mils, neoprene rubber ≥14 mils, natural rubber ≥14 mils, polyethylene, polyvinyl chloride (PVC) ≥14 mils or Viton ≥14 mils
- Shoes plus socks

Mixers and Loaders supporting aerial applications to cotton must wear at a minimum:

- Long-sleeved shirt and long pants,
- Chemical-resistant gloves such as barrier laminate, butyl rubber (> 14 mils), nitrile rubber (> 14 mils), neoprene rubber (> 14 mils), natural rubber (> 14 mils), polyethylene, polyvinyl chloride (PVC) (> 14 mils), or Viton (> 14 mils),
- Shoes plus socks

INTEGRATED PEST MANAGEMENT

Sharda Bifenthrin 17.15% LFC may be used as part of an Integrated Pest Management (IPM) program that can include biological, cultural, and genetic practices aimed at preventing economic pest damage. Application of this product should be based on IPM principles and practices including field scouting or other detection methods, correct target pest identification, population monitoring, and treating when target pest populations reach locally determined action thresholds. Consult your State Cooperative Extension Service, professional consultants, or other qualified authorities to determine appropriate action treatment threshold levels for treating specific pest/crop systems in your area.

CHEMIGATION USE DIRECTIONS

Apply of this product only through sprinkler irrigation systems: including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, drip irrigation, or hand move irrigation systems. For LEPA irrigation, application of a minimum of 0.75 inch of water per acre is recommended. If a non-emulsified oil is used as the diluent, 1 to 2 pints per acre is the recommended use rate.

RESTRICTIONS

- **DO NOT** apply this product through any other type of irrigation system.
- **DO NOT** connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system.

Proper calibration of chemigation equipment prior to application is important. Improper calibration can lead to non-uniform spray and product distribution resulting in crop injury, lack of effectiveness or illegal residues in the crop. Contact your State Agricultural Extension Service specialists, equipment manufacturers or other experts for consultation on the equipment set up and capability to obtain effective control of the target insect pests.

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise. Failure to cease application during a mechanical stoppage may result in undesirable residues to adjacent areas.

The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

DO NOT apply when wind speed favors drift beyond the treatment area. Application of **Sharda Bifenthrin 17.15% LFC** should be made continuously for the duration of the water application. Dilute **Sharda Bifenthrin 17.15% LFC** in sufficient volume to ensure accurate application over the treatment area. When making application using chemigation, a minimum of 0.5 inch per acre of irrigation water is recommended. Agitation is not typically required when a suitable diluent is used. Conduct a compatibility test to make sure that phase separation will not occur during dilution and treatment. Failure to achieve a uniform solution throughout the time of treatment may result in undesirable residues or less then desirable control.

VEGETATIVE FILTER STRIPS
Construct and maintain a vegetative filter strip, according to the width specified below, of grass or other permanent vegetation between the field edge and nearby down gradient aquatic habitat (such as, but not limited to, lakes; reservoirs; rivers; streams; marshes or natural ponds; estuaries; and commercial fish farm ponds).

Only apply products containing (name of pyrethroid) onto fields where a maintained vegetative filter strip of at **least 25 feet** exists between the field edge and where a down gradient aquatic habitat exists. This minimum required width of 25 feet may be reduced or removed under the following conditions:

- For Western irrigated agriculture, a maintained vegetative filter strip of at least 10 feet wide is required. Western irrigated agriculture is defined as irrigated farmland in the following states: WA, OR, CA, ID, NV, UT, AZ, MT, WY, CO, NM, and TX (west of I-35).
    - For Western irrigated agriculture, if a sediment control basin is present, a vegetative filter strip is not required.
- In all other areas, a vegetative filter strip with a minimum width of 25 feet is required, unless the following conditions are met. The vegetative filter strip requirement may be reduced from 25 feet to 15 feet if at least one of the following applies:
    - The area of application is considered prime farmland (as defined in 7 CFR § 657.5).
    - Conservation tillage is being implemented on the area of application. Conservation tillage is defined as any system that leaves at least 30% of the soil surface covered by residue after planting. Conservation tillage practices can include mulch-till, no-till, or strip-till.
    - A functional terrace system is maintained on the area of application.
    - Water and sediment control basins for the area of application are functional and maintained.
    - The area of application is less than or equal to 10 acres.

For further guidance on vegetated filter strips, refer to the following publication for information on constructing and maintaining effective buffers: Conservation Buffers to Reduce Pesticide Losses. Natural Resources Conservation Services. https://www.regulations.gov/document?D=EPA-HQ-OPP-2008-0331-0175.

Buffer Zones – Ground Application
DO NOT apply within 25 feet of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, streams, marshes, ponds, estuaries, and commercial fishponds).

- **Buffer Zone for Ground Application (airblast, ground boom, overhead, or chemigation) – DO NOT** apply within 25 feet of aquatic habitats (including, but not limited to, lakes, reservoirs, rivers, streams, marshes, natural ponds, estuaries, and commercial fishponds).
- **Buffer Zone for ULV Aerial Application – DO NOT** apply within 450 feet of aquatic habitats (including, but not limited to, lakes, reservoirs, rivers, streams, marshes, natural ponds, estuaries, and commercial fishponds).
- **Buffer Zone for Non-ULV Aerial Application – DO NOT** apply within 150 feet of aquatic habitats (including, but not limited to, lakes, reservoirs, rivers, streams, marshes, natural ponds, estuaries, and commercial fishponds).

MANDATORY SPRAY DRIFT MANAGEMENT

Aerial Applications:

- **DO NOT** release spray at a height greater than 10 feet above the vegetative canopy, unless a greater application height is necessary for pilot safety.

- Applicators are required to select nozzle and pressure that deliver medium or coarser droplets (ASABE S641).
- **DO NOT** apply when wind speeds exceed 15 mph at the application site. If the wind speed is greater than 10 mph, the boom length must be 65% or less of the wingspan for fixed wing aircraft and 75% or less of the rotor diameter for helicopters. Otherwise, the boom length must be 75% or less of the wingspan for fixed-wing aircraft and 90% or less of the rotor diameter for helicopters.
- If the windspeed is 10 miles per hour or less, applicators must use ½ swath displacement upwind at the downwind edge of the field. When the windspeed is between 11 - 15 miles per hour, applicators must use ¾ swath displacement upwind at the downwind edge of the field.
- **DO NOT** apply during temperature inversions.

Airblast Applications:
- Sprays must be directed into the canopy.
- **DO NOT** apply when wind speeds exceed 15 mph at the application site.
- User must turn off outward pointing nozzles at row ends and when spraying outer row.
- **DO NOT** apply during temperature inversions.

Ground Boom Applications:
- User must only apply with the nozzle height recommended by the manufacturer, but no more than 4 feet above the ground or crop canopy.
- Applicators are required to select nozzle and pressure that deliver medium or coarser droplets (ASABE S572).
- **DO NOT** apply when wind speeds exceed 15 mph at the application site.
- **DO NOT** apply during temperature inversions.

SPRAY DRIFT ADVISORIES

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT. BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.

IMPORTANCE OF DROPLET SIZE
An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

Controlling Droplet Size – Ground Boom
- **Volume -** Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.
- **Pressure -** Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.
- **Spray Nozzle -** Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

Controlling Droplet Size – Aircraft
- **Adjust Nozzles -** Follow nozzle manufacturers recommendations for setting up nozzles. Generally, to reduce fine droplets, nozzles should be oriented parallel with the airflow in flight.

BOOM HEIGHT – Ground Boom
For ground equipment, the boom should remain level with the crop and have minimal bounce.

RELEASE HEIGHT – Aircraft
Higher release heights increase the potential for spray drift.

SHIELDED SPRAYERS
Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

TEMPERATURE AND HUMIDITY
When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

TEMPERATURE INVERSIONS
Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing. Avoid applications during temperature inversions.

WIND
Drift potential generally increases with wind speed. AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS. Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

NON-TARGET ORGANISM ADVISORY STATEMENT (Environmental Hazards)

This product is highly toxic to bees and other pollinating insects exposed to direct treatment or to residues in/on blooming crops or weeds. Protect pollinating insects by following label directions intended to minimize drift and reduce pesticide risk to these organisms.

Handheld Technology Applications:
Take precautions to minimize spray drift.

APPLICATION AND MIXING INSTRUCTIONS

Sharda Bifenthrin 17.15% LFC is an insect control product that contains the active ingredient bifenthrin. **Sharda Bifenthrin 17.15% LFC** is formulated so that it can be mixed directly with liquid fertilizer or water. The rate of application is determined by pest pressure, timing of treatments and field scouting. Use the lower listed use rate when there is low to moderate pest pressure, and the higher listed use rate under heavier pest pressure. In areas where there is dry climate, application rates are typically higher.
~~**Sharda Bifenthrin 17.15% LFC** is an insect control product that contains the active ingredient bifenthrin. **Sharda Bifenthrin 17.15% LFC** is formulated so that it can be mixed directly with water. The rate of application is determined by pest pressure, timing of treatments and field scouting. Use the lower labeled use rate when there is low to moderate pest pressure, and the higher labeled use rate under heavier pest pressure. In areas where there is dry climate, labeled application rates are typically higher.~~

Tank Mix Preparation
Shake well before use.
- Begin agitation in the spray tank.
- Fill the tank one-half full with liquid fertilizer or water.
- Add the specified amount of **Sharda Bifenthrin 17.15% LFC**.
- Add the remaining liquid fertilizer or water.

Maintain agitation until the application is complete.

If using nurse tanks, agitate the **Sharda Bifenthrin 17.15% LFC** spray solutions in the tank before moving the solution to spray system.

Restrictions
- **DO NOT** exceed the maximum single or annual application use rate listed. The annual maximum use rate includes at-plant applications and foliar applications of **Sharda Bifenthrin 17.15% LFC** and applications made with other products containing bifenthrin
- **New York State:**
  - **DO NOT** apply this product within 100 feet (using ground equipment) to 300 feet (using aerial equipment) of coastal marshes or streams that drain into coastal marshes in New York State.
  - **DO NOT** use this product on sod farms and golf courses in Nassau and Suffolk Counties.

Application of **Sharda Bifenthrin 17.15% LFC** may be made in-furrow with the seed, as a T-band (band over the open furrow), as a broadcast application, as a band over-the-row, as a pre-emergence (PRE) application, as a post-plant incorporated (PPI) application, as a foliar application (including chemigation), or as a transplant-water drench during setting.

The use rates listed in the individual crop sections for at-plant soil applications are listed as fluid ounce per 1,000 linear feet based on 30-inch row spacing. To convert application rates for other row spacing, refer to the table below.

Amount of Sharda Bifenthrin 17.15% LFC per Acre by Row Spacing					
Row Spacing	**36”**	**30”**	**20”**	**15”**	**Twin Row 30” centers**
Linear row ft./acre	14,520 ft.	17,424 ft.	26,136 ft.	34,848 ft.	34,848 ft.
Conversion					
0.2 fl. oz./1,000 Linear ft. =	2.9 fl. oz./acre	3.5 fl. oz./acre	5.2 fl. oz./acre	7.0 fl. oz./acre	7.0 fl. oz./acre
0.24 fl. oz./1,000 Linear ft. =	3.5 fl. oz./acre	4.2 fl. oz./acre	6.3 fl. oz./acre	8.4 fl. oz./acre	8.4 fl. oz./acre
0.3 fl. oz./1,000 Linear ft. =	4.4 fl. oz./acre	5.2 fl. oz./acre	7.8 fl. oz./acre	10.5 fl. oz./acre	10.5 fl. oz./acre
0.39 fl. oz./1,000 Linear ft. =	5.7 fl. oz./acre	6.8 fl. oz./acre	10.2 fl. oz./acre	13.6 fl. oz./acre	13.6 fl. oz./acre
0.49 fl. oz./1,000 Linear ft. =	7.1 fl. oz./acre	8.5 fl. oz./acre	12.8 fl. oz./acre		
0.73 fl. oz./1,000 Linear ft. =	10.6 fl. oz./acre	12.7 fl. oz./acre			
0.78 fl. oz./1,000 Linear ft. =	11.3 fl. oz./acre	13.6 fl. oz./acre			
0.98 fl. oz./1,000 Linear ft. =	14.2 fl. oz./acre	17.1 fl. oz./acre			
1.47 fl. oz./1,000 Linear ft. =	21.3 fl. oz./acre	25.6 fl. oz./acre			

Tank-Mixtures
Application of **Sharda Bifenthrin 17.15% LFC** may be made in tank mixtures with other products that are approved for use on registered crops. It is the pesticide user’s responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture. Always conduct a compatibility test prior to any tank mixture.

Maximum Amount of Sharda Bifenthrin 17.15% LFC per Acre per Year

See the specific crop sections for information on annual maximum application amounts for **Sharda Bifenthrin 17.15% LFC**. The maximum allowable use includes all registered use patterns including at-plant, soil applied, and/or foliar applications for the 12-month period. The 12-month period begins at the initial application.

Following best management practices can help reduce risk to terrestrial pollinators. Examples of best management practices include applying pesticides in the evening and at night when pollinators are not foraging and checking to confirm hive locations before spraying. For additional resources on pollinator best management practices, visit: https://www.epa.gov/pollinator-protection/find-best-management-practices-protect-pollinators.

Managed pollinator protection plans are developed by states/tribes to promote communication between growers, landowners, farmers, beekeepers, pesticide users, and other pest management professionals to reduce exposure of bees to pesticides. If available, visit state plans for additional information on how to protect pollinators.

How to Report Bee Kills
It is recommended that users contact both the state lead agency and the U.S. Environmental Protection Agency to report bee kills due to pesticide application. Bee kills can be reported to EPA at beekill@epa.gov. To contact your state lead agency, see the current listing of state pesticide regulatory agencies at the National Pesticide Information Center's website:
http://npic.orst.edu/reg/state_agencies.html

RESISTANCE MANAGEMENT
Sharda Bifenthrin 17.15% LFC contains a Group 3A insecticide. Any insect/mite population may contain individuals naturally resistant to **Sharda Bifenthrin 17.15% LFC** and other Group 3A insecticides/acaricides. The resistant individuals may dominate the insect/mite population if this group of insecticides/acaricides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

To delay insecticide/acaricide resistance, take the following steps:

- Rotate the use of **Sharda Bifenthrin 17.15% LFC** 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 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 a Sharda USA, LLC. representatives at 1-(910) 859-3090 Monday through Friday, 9AM to 4 PM EST or go to www.shardausa.com for contact information.

CROP USE DIRECTIONS

Crop Rotation Intervals
Crops where tolerances have been established for bifenthrin may be rotated at any time. All other crops may be rotated 30 days after the last application of bifenthrin.

ARTICHOKE

At-Plant Applications			
Pest	**Sharda Bifenthrin 17.15% LFC Rates**		
	Fl. Oz./Acre	**Fl. Oz./1,000 Linear Ft.**	**Lb. a.i./Acre**

Cribrate Weevil Grubs	8.5	0.49	0.1

Use Directions:
Apply as a 5- to 7-inch band (T-band) over an open furrow or in-furrow with the seed.

Pre-Emergence & Post-Plant Incorporated Applications

Pest	Sharda Bifenthrin 17.15% LFC Rates	
	Fl. Oz./Acre	**Lb. a.i./Acre**
Cribrate Weevil Grubs	**Pre-Emergence:** 8.5	**Pre-Emergence:** 0.1
	Post-Plant Incorporated: 8.5	**Post-Plant Incorporated:** 0.1

Use Directions:
- **Pre-Emergence - Sharda Bifenthrin 17.15% LFC** may be tank mixed with pre-emergence herbicides.
- **Post-Plant Incorporated - Sharda Bifenthrin 17.15% LFC** may be tank mixed with post-plant incorporated herbicides. **DO NOT** incorporate **Sharda Bifenthrin 17.15% LFC** any deeper than the intended planting depth and no deeper than 3 inches. Incorporate to a depth close to the intended seed planting or transplant depth.

Foliar Applications

Pest	Sharda Bifenthrin 17.15% LFC Rates	
	Fl. Oz./Acre	**Lb. a.i./Acre**
Cribrate Weevil Artichoke Plume Moth	8.5	0.1

Use Directions:
Apply when pest population reaches damaging threshold. Repeat as needed at the labeled rate to maintain control on a 15-day interval.

- **Aerial Application:** Apply at the labeled use rate in a minimum of 10 gals. spray volume/acre.
- **Ground Application:** Apply as a full cover spray in a minimum of 75 gals. spray volume/acre.

RESTRICTIONS - ARTICHOKE

- **DO NOT** apply more than 0.5 lb. a.i./acre/year including at-plant, pre-emergence, post-plant incorporated, and foliar treatments of **Sharda Bifenthrin 17.15% LFC** and other products that contain bifenthrin.
- **Foliar:**
  - **DO NOT** apply more than 5 foliar applications per year.
  - **DO NOT** apply within 5 days of harvest.

BRASSICAS, HEAD AND STEM (Crop Subgroup 5A)
Broccoli, Chinese, Broccoli (Gai Lon, White Flowering Broccoli), Brussels Sprouts, Cauliflower, Cavolo Broccoli, Kohlrabi, Cabbage, Chinese Cabbage (Napa), and Chinese Mustard Cabbage (Gai Choy)

At-Plant Applications

Pest	Sharda Bifenthrin 17.15% LFC Rates		
	Fl. Oz./Acre	**Fl. Oz./1,000 Linear Ft.**	**Lb. a.i./Acre**
Army Cutworm Armyworm spp. Cabbage Maggots Cutworm spp. Grubs Root Aphids Root Maggots Seed Corn Maggots Wireworm	3.4 - 6.8	0.2 - 0.39	0.04 - 0.08

Use Directions:
Apply as a 5- to 7-inch band (T-band) over the open seed or transplant furrow, or in-furrow with the seed or transplant. Cutworm and armyworm applications may be made as broadcast treatments to the soil surface. May be applied as a transplant water application at time of transplanting.

Pre-Emergence and Post-Plant Incorporated Applications

Pest	Sharda Bifenthrin 17.15% LFC Rates	
	Fl. Oz./Acre	**Lb. a.i./Acre**
Garden Symphylans Root Aphids Root Maggots Seed Corn Maggots Wireworms	**Pre-Emergence:** 3.4 - 6.8	**Pre-Emergence:** 0.04 - 0.08
	Post-Plant Incorporated: 3.4 - 6.8	**Post-Plant Incorporated:** 0.04 - 0.08

Use Directions:
- **Pre-Emergence -** Application of **Sharda Bifenthrin 17.15% LFC** may be made as a tank mixture applied with pre-emergence herbicides and fungicides for pre-transplant treatments.
- **Post-Plant Incorporated – DO NOT** incorporate **Sharda Bifenthrin 17.15% LFC** any deeper than the intended planting depth and no deeper than 3 inches. Incorporate to a depth close to the intended seed planting or transplant depth.

Foliar Applications

Pest	Sharda Bifenthrin 17.15% LFC Rates	
	Fl. Oz./Acre	**Lb. a.i./Acre**
Aphids Armyworms Black Burrowing Bug Cutworms Corn Earworm Crickets Cucumber Beetles Diamondback Moth Flea Beetles Ground Beetles Imported Cabbageworm Leafhoppers Loopers Saltmarsh Caterpillar Stink Bugs Thrips Tobacco Budworm Whitefly Wireworm (Adults)	2.8 - 8.5	0.033 - 0.1
Banks Grass Mite Carmine Mite Lygus species Pacific Spider Mite Two-Spotted Spider Mite	6.8 - 8.5	0.08 - 0.1

Use Directions:
Thorough coverage is necessary to attain acceptable control. Apply at the onset of infestation reaching locally determined economic thresholds.
Apply in a minimum of 2 gallons of finished spray per acre by air or in a minimum of 10 gallons of finished spray per acre with ground equipment. When applying by air, 1 to 2 quarts of emulsified oil may be substituted for 1 to 2 quarts of water in the finished spray. Thorough coverage is essential to achieve control.

RESTRICTIONS - BRASSICA, HEAD, AND STEM (CROP SUBGROUP 5A)

- **DO NOT** apply more than 0.5 lb. a.i./acre/year, including at-plant, pre-emergence, post-plant incorporated, and foliar treatments of **Sharda Bifenthrin 17.15% LFC** and other products that contain bifenthrin.
- **At-Plant: DO NOT** apply more than 0.1 lb. a.i./acre/year as an at-plant application.
- **Foliar:**
  - **DO NOT** apply more than 5 applications after bloom.
  - **DO NOT** apply applications less than 7 days apart.
  - **DO NOT** apply within 7 days of harvest.

BUSHBERRIES (Crop Subgroup 13-07B)
Aronia Berry; Blueberry, Highbush; Blueberry, Lowbush; Buffalo Currant; Chilean Guava; Cranberry, Highbush; Currant, Black; Currant, Red; Elderberry; European Barberry; Gooseberry; Honeysuckle, Edible; Huckleberry; Jostaberry; Juneberry (Saskatoon Berry); Lingonberry; Native Currant; Salal; Sea Buckthorn; Cultivars, Varieties, and/or Hybrids of these

At-Plant Applications

Pest	Sharda Bifenthrin 17.15% LFC Rates	
	Fl. Oz./Acre	**Lb. a.i./Acre**
White Grubs Wireworm	8.5	0.1

Use Directions:
Apply as a (T-band) over an open furrow immediately before transplanting, or in-furrow with the transplant in sufficient water for planting. Application may also be made as a solid drench with transplant water at time of transplanting.

Post-Plant Incorporated (Site Preparation) & Pre-Emergence Applications

Pest	Sharda Bifenthrin 17.15% LFC Rates	
	Fl. Oz./Acre	**Lb. a.i./Acre**
Blueberry Maggots (Larvae) White Grubs Wireworm	**Pre-Emergence:** 3.4 - 8.5	**Pre-Emergence:** 0.04 - 0.1
	Post-Plant Incorporated: 8.5	**Post-Plant Incorporated:** 0.1

Use Directions:

- **Pre-Emergence - Sharda Bifenthrin 17.15% LFC** may be tank mixed with pre-emergence herbicides.
- **Post-Plant Incorporated - Sharda Bifenthrin 17.15% LFC** may be tank mixed with post-plant incorporated herbicides, insecticides, and fungicides where allowed. **DO NOT** incorporate **Sharda Bifenthrin 17.15% LFC** any deeper than the intended planting depth and no deeper than 3 inches. Incorporate to a depth close to the intended seed planting or transplant depth.

Foliar Applications

Pest	Sharda Bifenthrin 17.15% LFC Rates	
	Fl. Oz./Acre	**Lb. a.i./Acre**

Aphids Blueberry Maggots Fruitworms Japanese Beetle Leafhoppers Leaf Rollers Lecanium Scale (Crawlers) Oblique-Banded Leaf Roller Plum Curculio Red Banded Leafroller Spanworm Spotted-Winged Drosophila Variegated Leafroller	3.4 - 8.5	0.04 - 0.1
Carmine Mite Lygus spp. Pacific Spider Mite Two-Spotted Spider Mite	6.8 - 8.5	0.08 - 0.1

Use Directions:
Apply in a minimum of 2 gals. spray volume/acre by air or in a minimum of 10 gals./acre with ground equipment. Thorough coverage is essential to achieve sufficient control. Apply when pest population reaches locally determined economic thresholds.

RESTRICTIONS - BUSHBERRIES (CROP SUBGROUP 13-07B)

- **DO NOT** apply more than 0.5 lb. a.i./acre/year, including at-plant, pre-emergence, post-plant incorporated, and foliar treatments of **Sharda Bifenthrin 17.15% LFC** and other products that contain bifenthrin.
- **Foliar:**
  - **DO NOT** apply more than 5 foliar applications per year.
  - **DO NOT** apply applications less than 7 days apart.
  - **DO NOT** apply within 1 day of harvest.

CANEBERRIES (Crop Subgroup 13-07A)
Bingleberries, Blackberries, Dewberries, Loganberries, Lowberries, Marionberries, Olallieberries, Raspberries, and Youngberries

At-Plant Applications

Pest	**Sharda Bifenthrin 17.15% LFC Rates**	
	Fl. Oz./Acre	**Lb. a.i./Acre**
White Grubs Wireworm	8.5	0.1

Use Directions:
Apply as a 5- to 7-inch band (T-band) over an open furrow in sufficient water for planting, or in-furrow with the seed. Application may be made through transplant water at time of transplanting.

Post-Plant Incorporated (Site Preparation) & Pre-Emergence Applications

Pest	**Sharda Bifenthrin 17.15% LFC Rates**	
	Fl. Oz./Acre	**Lb. a.i./Acre**
White Grubs Wireworm	**Pre-Emergence:** 8.5	**Pre-Emergence:** 0.1
	Post-Plant Incorporated: 8.5	**Post-Plant Incorporated:** 0.1

Use Directions:

- **Post-Plant Incorporated - Sharda Bifenthrin 17.15% LFC** may be tank mixed with post-plant incorporated pesticides labeled for site preparation. **DO NOT** incorporate **Sharda Bifenthrin 17.15% LFC** any deeper than the intended planting depth and no deeper than 3 inches. Incorporate to a depth close to the intended seed planting or transplant depth.

Foliar Applications

Pest	**Sharda Bifenthrin 17.15% LFC Rates**	
	Fl. Oz./Acre	**Lb. a.i./Acre**
Leafrollers Orange Tortrix Root Weevils Spotted-Winged Drosophila	4.3 - 8.5	0.05 - 0.1
Raspberry Crown Borer Spider Mites	8.5	0.1

Use Directions:
Apply by air or ground equipment using sufficient water to obtain full coverage of foliage (minimum of 10 gals./acre by air and 50 gals./acre by ground). Initial application may be made pre-bloom and a second application may be made post-bloom.

For Crown Borer: Apply of 0.1 lb. a.i./acre post-harvest (fall) or pre-bloom (spring), as a drench treatment directed at the crown of plants in a minimum of 200 gals. water/acre. Greater efficacy is obtained at higher spray volumes (up to 400 gals./acre) or in an application before a significant rainfall event. **DO NOT** apply both pre-bloom foliar and pre-bloom drench applications.

RESTRICTIONS - CANEBERRIES (CROP SUBGROUP 07A)

- **DO NOT** apply more than 0.2 lb. a.i./acre/year, including at-plant, pre-emergence, post-plant incorporated, and foliar treatments of **Sharda Bifenthrin 17.15% LFC** and other products that contain bifenthrin.
- **Foliar:**
  - Initial application may be made pre-bloom and a second application may be made post-bloom.
  - **DO NOT** apply within 3 days of harvest.

CANOLA, CRAMBE, & RAPESEED

At-Plant Applications		
Pest	**Sharda Bifenthrin 17.15% LFC Rates**	
	Fl. Oz./Acre	**Lb. a.i./Acre**
Army Cutworm Armyworm spp. Cutworm spp. Grape Colaspis Grubs Root Aphids Seed Corn Beetle Seed Corn Maggots Stalk Borer Sugarcane Beetle True Armyworm Wireworm	6.83	0.08
Use Directions: Apply as a 5- to 7-inch band (T-band) over an open furrow, or in-furrow with the seed.		

Pre-Emergence & Post-Plant Incorporated Applications		
Pest	**Sharda Bifenthrin 17.15% LFC Rates**	
	Fl. Oz./Acre	**Lb. a.i./Acre**
Army Cutworm Armyworm spp. Cutworm spp. Grape Colaspis Grubs Root Aphids Seed Corn Beetle Seed Corn Maggots Stalk Borer Sugarcane Beetle True Armyworm Wireworm (PPI Only)	**Pre-Emergence:** 6.83	**Pre-Emergence:** 0.08
	Post-Plant Incorporated: 6.83	**Post-Plant Incorporated:** 0.08
Use Directions: • **Pre-Emergence - Sharda Bifenthrin 17.15% LFC** may be tank mixed with pre-emergence herbicides. • **Post-Plant Incorporated - Sharda Bifenthrin 17.15% LFC** may be tank mixed with post-plant incorporated herbicides. **DO NOT** incorporate **Sharda Bifenthrin 17.15% LFC** any deeper than the intended planting depth and no deeper than 3 inches. Incorporate to a depth close to the intended seed planting or transplant depth.		

Foliar Applications		
Pest	**Sharda Bifenthrin 17.15% LFC Rates**	
	Fl. Oz./Acre	**Lb. a.i./Acre**
Aphids Armyworms Cutworms Diamondback Moth Flea Beetle Flea Hopper Grasshopper Loopers Other Lepidopterous Larvae Plant Bugs Seedpod Weevil Stink Bugs Thrips Whitefly	2.8 - 3.4	0.033 - 0.04
Use Directions: Apply in a minimum of 2 gals. spray volume/acre by air or in a minimum of 10 gals./acre with ground equipment. When applying by air, 1 - 2 quarts of emulsified oil may be substituted for 1 - 2 quarts of water in the finished spray. Thorough coverage is essential to obtain sufficient control.		

RESTRICTIONS - CANOLA, CRAMBE, & RAPESEED

- **DO NOT** apply more than 0.08 lb. a.i./acre/year; Including at-plant, pre-emergence, post-plant incorporated, and foliar applications of **Sharda Bifenthrin 17.15% LFC** and other bifenthrin containing products.
- **Foliar:**
  - **DO NOT** apply more than 2 foliar applications per year
  - **DO NOT** apply treatments less than 14 days apart.
  - **DO NOT** apply within 35 days of harvest.

CILANTRO & CORIANDER

At-Plant Applications			
Pest	**Sharda Bifenthrin 17.15% LFC Rates**		
	Fl. Oz./Acre	**Fl. Oz./1,000 Linear Ft.**	**Lb. a.i./Acre**
Armyworm spp. Cutworm spp. Flea Beetle (Larvae) Wireworm	3.4 - 6.8	0.2 - 0.39	0.04 - 0.08
Use Directions: Apply as a 5- to 7-inch band over-the-row on the soil surface, a 5- to 7-inch band over the open furrow (T-band) in-furrow with the seed, or broadcast to the soil surface.			

Pre-Emergence & Post-Plant Incorporated Applications		
Pest	**Sharda Bifenthrin 17.15% LFC Rates**	
	Fl. Oz./Acre	**Lb. a.i./Acre**
Army Cutworm Armyworm spp. Cutworm spp. Grape Colaspis Grubs Root Aphids Seed Corn Beetle Seed Corn Maggots Wireworms (PPI Only)	**Pre-Emergence:** 3.4 - 6.8	**Pre-Emergence:** 0.04 - 0.08
	Post-Plant Incorporated: 3.4 - 6.8	**Post-Plant Incorporated:** 0.04 - 0.08
Use Directions: • **Pre-Emergence - Sharda Bifenthrin 17.15% LFC** may be tank mixed with pre-emergence herbicides. **Post-Plant Incorporated - Sharda Bifenthrin 17.15% LFC** may be tank mixed with post-plant incorporated herbicides. **DO NOT** incorporate **Sharda Bifenthrin 17.15% LFC** any deeper than the intended planting depth and no deeper than 3 inches. Incorporate to a depth close to the intended seed planting or transplant depth.		

Foliar Applications		
Pest	**Sharda Bifenthrin 17.15% LFC Rates**	
	Fl. Oz./Acre	**Lb. a.i./Acre**
Aphids Beet Armyworm Cabbage Looper Cutworm Flea Beetle Grasshoppers Leafminer Saltmarsh Caterpillar Spotted Cucumber Beetle Thrips Whitefly	2.8 - 8.5	0.033 - 0.1
Two-Spotted Spider Mite	6.8 - 8.5	0.08 - 0.1
Use Directions: Apply using sufficient water to obtain uniform coverage at the labeled rate. Apply with ground equipment using a minimum of 10 gals. of spray volume/acre or a minimum of 2 gals./acre by aircraft.		

RESTRICTIONS - CILANTRO & CORIANDER

- **DO NOT** apply more than 0.5 lb. a.i./acre/year, including at-plant, pre-emergence, post-plant incorporated, and foliar applications of **Sharda Bifenthrin 17.15% LFC** and other bifenthrin containing products.
- **At-Plant: DO NOT** apply more than 0.1 lb. a.i./acre/year as an at-plant application.
- **Foliar:**
  - **DO NOT** apply more than 5 foliar applications per year.
  - **DO NOT** apply treatments less than 7 days apart.
  - **DO NOT** apply within 3 days of harvest.

CITRUS (Crop Group 10-10)

Australian Desert Lime; Australian Finger-Lime; Australian Round Lime; Brown River Finger Lime; Calamondin; Citron; Citrus Hybrids; Grapefruit; Japanese Summer Grapefruit; Kumquat; Lemon; Lime; Mediterranean Mandarin; Mount White Lime; New Guinea Wild Lime; Orange, Sour; Orange, Sweet; Pummelo; Russell River Lime; Satsuma Mandarin; Sweet Lime; Tachibana Orange; Tahiti Lime; Tangelo; Tangerine (Mandarin); Tangor; Trifoliate Orange; Uniq Fruit; Cultivars, Varieties, and/or Hybrids of these

Bare Soil Surface Under Drip Line Applications		
Pest	**Sharda Bifenthrin 17.15% LFC Rates**	
	Fl. Oz./Acre	**Lb. a.i./Acre**
Asian Cockroach Fire Ants (*Solenopsis* spp.)	8.5 - 21.25	0.1 - 0.25
Blue-Green Citrus Root Weevil Brown Leaf Notcher Diaprepes Root Weevil Little Leaf Notcher	21.25 - 42.5	0.25 - 0.5

Southern Blue-Green Citrus Root Weevil		

Use Directions:
When used as directed, **Sharda Bifenthrin 17.15% LFC** will provide control of the listed pests. Apply **Sharda Bifenthrin 17.15% LFC** by ground equipment to bare soil beneath citrus trees. Applications must be uniformly applied from the trunk to the drip line of tree. Apply in a minimum of 40 gals. of dilute spray volume/acre. Greater spray volume should insure greater uniformity of coverage. A pre- and post-application irrigation may also help in the uniformity of coverage.

Sharda Bifenthrin 17.15% LFC protects citrus tree roots from citrus root weevil feeding (including Diaprepes) by forming a barrier that provides contact activity on newly hatched larvae (neonates). As citrus root weevil eggs hatch in new foliage, neonates fall to the soil surface beneath the tree and come in contact with **Sharda Bifenthrin 17.15% LFC** as they attempt to burrow into the root zone. Minimize disturbance of the soil beneath trees.

Application timing of **Sharda Bifenthrin 17.15% LFC** is critical. Current information suggests that peak emergence of adult Diaprepes weevil varies by citrus growing region and these emergence peaks can be dramatically affected by environmental factors, such as soil moisture. Typically, two peaks are observed for Diaprepes, initially in spring then late summer or early fall. Southern blue- green and blue-green citrus weevils and Fuller rose beetle generally exhibit a single emergence peak in the spring. Brown and little leaf notchers generally exhibit three emergence peaks, spring, summer, and fall. Since emergence varies annually and by location, timing of **Sharda Bifenthrin 17.15% LFC** treatment can be accurately forecasted by monitoring adults. Adults are most active in the early morning and late afternoon; numbers can be estimated by trapping throughout spring and summer (during emergence periods). Egg laying occurs for 8 to 10 weeks after adult emergence from the soil; larval invasion of the soil initiates 2 to 3 weeks after adult emergence. It is critical to have the **Sharda Bifenthrin 17.15% LFC** soil barrier established before drop of the neonates.

Sharda Bifenthrin 17.15% LFC is one of several effective tools in an integrated pest management program for citrus root weevils. Making applications with **Sharda Bifenthrin 17.15% LFC** should be used in conjunction with good integrated management practices, including cultural practices and biological control of larvae and foliar control of adults. Consult local university extension personnel for information to protect citrus trees from citrus root weevils and other pests.

Apply to individual citrus resets, when not in solid planted rows, using hand-gun or shielded sprayer. Peak emergence of Diaprepes root weevil typically occurs in the spring. A minor emergence of Diaprepes root weevil may also occur in the fall depending on weather conditions.

If the citrus grove to be treated is in an area where weather conditions are conducive to primary emergence occurring in the spring, apply 42.5 fl. oz. of product to optimize performance and to provide the longest residual control of Diaprepes root weevil. If the citrus grove to be treated is in an area where weather conditions will promote more than one peak of pest emergence, apply 21.25 fl. oz. of product early in the season followed by 21.25 fl. oz. of product applied later in the season.

RESTRICTIONS - CITRUS (CROP GROUP 10-10)

- **DO NOT** allow application of **Sharda Bifenthrin 17.15% LFC** to contact fruit or foliage.
- **DO NOT** apply of more than a total of 42.5 fl. oz. of formulated product (0.5 lb. a.i.)/acre per year.
- **DO NOT** apply by air.

CORN
Field Corn (Grain and Silage), Popcorn, Field Corn Grown for Seed, Sweet Corn, and Sweet Corn Grown for Seed

At-Plant Applications

Pest	Sharda Bifenthrin 17.15% LFC Rates		
	Fl. Oz./Acre	Fl. Oz./1,000 Linear Ft.	Lb. a.i./Acre
Corn Rootworm Larvae (Northern, Southern and Western)	6.8 - 17.0	0.39 - 0.98	0.08 - 0.2
Army Cutworm Armyworm spp. Cutworm spp. Grape Colaspis Grubs Root Aphids Seed Corn Beetle Seed Corn Maggots Stalk Borer Sugarcane Beetle True Armyworm Wireworm	3.4 - 13.6	0.2 - 0.78	0.04 - 0.16

Use Directions:
Apply as a 5- to 7-inch band (T-band) over an open furrow, or in-furrow with the seed.

For Army Cutworm, Stalk Borer, Cutworm Species, True Armyworm, or Armyworm Species: Apply as a 5- to 7-inch band over-the-row on the soil surface, a 5- to 7-inch band over the open furrow (T-band), in-furrow with the seed, or broadcast to the soil surface.

Heavy Corn Rootworm Pressure Management Program: A multi-approach system may be required for optimal pest management, in areas where large corn rootworm populations are present. If the population level is not known, and if a corn rootworm adult scouting program along with threshold adult control measures were not completed the prior growing season, then use a maximum dosage seed treatment program or genetically modified corn rootworm resistant hybrid in addition to **Sharda Bifenthrin 17.15% LFC**.

Pre-Emergence & Post-Plant Incorporated Applications

Pest	Sharda Bifenthrin 17.15% LFC Rates	
	Fl. Oz./Acre	Lb. a.i./Acre

Armyworm spp. Black Cutworm Seed Corn Beetle Stalk Borer	**Pre-Emergence:** 3.4	**Pre-Emergence:** 0.04
Armyworm spp. Black Cutworm Grape Colaspis Seed Corn Beetle Seed Corn Maggots White Grubs Wireworm	**Post-Plant Incorporated:** 4.0 - 5.3	**Post-Plant Incorporated:** 0.047 - 0.062

Use Directions:

- **Pre-Emergence - Sharda Bifenthrin 17.15% LFC** may be tank mixed with pre-emergence herbicides.
- **Post-Plant Incorporated - Sharda Bifenthrin 17.15% LFC** may be tank mixed with post-plant incorporated herbicides. **DO NOT** incorporate **Sharda Bifenthrin 17.15% LFC** any deeper than the intended planting depth and no deeper than 3 inches. Incorporate to a depth close to the intended seed planting or transplant depth.

Foliar Applications

Pest	Sharda Bifenthrin 17.15% LFC Rates	
	Fl. Oz./Acre	**Lb. a.i./Acre**
Aphids Army Cutworm Armyworm spp. Armyworm, Fall Armyworm, Southern Beet Armyworm Cereal Leaf Beetle Chinch Bug Common Stalk Borer Corn Earworm[1] Corn Leaf Beetle, Southern Corn Rootworm (Adults) Cucumber Beetle (Adults) Cutworm spp. European Corn Borer[2] Flea Beetle Grasshoppers Greenbug Japanese Beetle (Adults) Sap Beetle Southwestern Corn Borer[2] Stinkbugs Tarnished Plant Bugs True Armyworm Webworms Western Bean Cutworm Yellowstriped Armyworm	2.8 - 8.5	0.033 - 0.1
Banks Grass Mite[3] Carmine Mite[3] Two-Spotted Spider Mite[3]	6.8 - 8.5	0.08 - 0.1

[1]**To Control Ear Attacking Pests:** Apply **Sharda Bifenthrin 17.15% LFC** just before silking and repeat as needed to maintain control.
[2]**Southwestern Corn Borer and European Corn Borer:** Make initial application for corn borer control at or shortly before egg hatch. **For Control of Other Insect Pests:** Apply when pests first appear and repeat as needed.
[3]**For Control of Mites**: Apply for Banks Grass Mite control when colonies first form before leaf damage or discoloration and prior to dispersal above the bottom third of the plant. **For Two-Spotted Spider Mite and Carmine Mite Control:** Apply when colonies first form before leaf damage or discoloration and prior to widespread mite dispersal throughout the canopy. Higher labeled use rates listed in the rate range will be needed for heavier initial populations and corn under heat or drought stress. Field experience with dimethoate at 0.5 lb. a.i./acre in tank mixture has demonstrated good control under these conditions. **For Mite Control in Texas, New Mexico, Oklahoma, and Arizona:** Apply in a minimum of 5 gals. of spray volume/acre by aircraft or in a minimum of 10 gals./acre with ground equipment.

Use Directions:
Apply in a minimum of 2 - 5 gals. of spray volume/acre by aircraft or in a minimum of 10 gals./acre with ground equipment. To improve control by aircraft, use 5 gals. of spray volume/acre particularly when initial populations are heavier than normal. If applying by air, 1 - 2 quarts of emulsified oil may be substituted for 1 - 2 quarts of water in the finished spray. Thorough coverage is essential to achieve sufficient control.

Heavy Corn Rootworm Pressure Management Program: A multi-approach system may be necessary for optimal pest management in areas where large corn rootworm populations are present. If the population level is not known and if a corn rootworm adult scouting program along with threshold adult control measures were not completed during the previous growing season, then use a maximum dosage seed treatment program or genetically modified corn rootworm resistant hybrid in addition to **Sharda Bifenthrin 17.15% LFC**.

RESTRICTIONS - CORN

- **For Field Corn: DO NOT** apply more than 0.3 lb. a.i./acre/year, including at-plant, pre-emergence, post-plant incorporated, and foliar treatments of **Sharda Bifenthrin 17.15% LFC** and other products that contain bifenthrin.
- **Sweet Corn: DO NOT** apply more than 0.2 lb. a.i./acre/year, including at-plant, pre-emergence, post-plant incorporated, and foliar treatments of **Sharda Bifenthrin 17.15% LFC** and other products that contain bifenthrin.
- **At-Plant: DO NOT** apply more than 0.2 lb. a.i./acre/year as an at-plant application.
- **Foliar:**
  - **DO NOT** use ultra-low volume (ULV) application on corn.
  - **DO NOT** apply by aerial or ground applications to corn if heavy rainfall is imminent.
  - **For Field Corn:**
    - **DO NOT** apply more than 3 foliar applications per year.
    - **DO NOT** apply within 30 days of harvest for field corn (grain and silage), popcorn, and field corn grown for seed.
    - **DO NOT** graze livestock in treated areas or cut treated crops for feed within 30 days of the last application for field corn (grain and silage), popcorn, and field corn grown for seed.
  - **For Sweet Corn**
    - **DO NOT** apply more than 2 foliar applications per year.
    - **DO NOT** apply within 1 day of harvest for sweet corn or sweet corn grown for seed.
    - **DO NOT** graze livestock in treated areas or cut treated crops for feed within 1 day of the last application for sweet corn or sweet corn grown for seed**.**

COTTON

At-Plant Applications			
Pest	**Sharda Bifenthrin 17.15% LFC Rates**		
	Fl. Oz./Acre	**Fl. Oz./1,000 Linear Ft.**	**Lb. a.i./Acre**
Cutworm spp. Grape Colaspis Root Maggots Seed Corn Maggots White Grubs Wireworm	1.7 - 8.5	0.1 - 0.5	0.02 - 0.1
Use Directions: Apply as a 5- to 7-inch band (T-band) over an open furrow, or in-furrow with the seed.			

Pre-Emergence & Post-Plant Incorporated Applications		
Pest	**Sharda Bifenthrin 17.15% LFC Rates**	
	Fl. Oz./Acre	**Lb. a.i./Acre**
Cutworm spp.	**Pre-Emergence:** 3.4 - 8.5	**Pre-Emergence:** 0.04 - 0.1
Cutworm spp. Grape Colaspis Root Maggots Seed Corn Maggots White Grubs Wireworm	**Post-Plant Incorporated:** 3.4 - 8.5	**Post-Plant Incorporated:** 0.04 - 0.1
Use Directions: **Post-Plant Incorporated - Sharda Bifenthrin 17.15% LFC** may be tank mixed with pre-emergence herbicides. **DO NOT** incorporate **Sharda Bifenthrin 17.15% LFC** any deeper than the intended planting depth and no deeper than 3 inches. Incorporate to a depth close to the intended seed planting or transplant depth.		

Foliar Applications		
Pest	**Sharda Bifenthrin 17.15% LFC Rates**	
	Fl. Oz./Acre	**Lb. a.i./Acre**
European Corn Borer Soybean (Banded) Thrips Tobacco Thrips	1.7 - 8.5	0.02 - 0.1
Armyworm, Fall Boll Weevil[1] Bollworm Cabbage Looper Cotton Aphid[2] Cotton Fleahopper Cotton Leafperforator Cutworms Plant Bugs Saltmarsh Caterpillar Southern Garden Leafhopper Stink Bugs Tobacco Budworm Whitefly Yellow Striped Armyworm	3.4 - 8.5	0.04 - 0.1
Beet Armyworm Carmine Spider Mite[2]	5.1 - 8.5	0.06 - 0.1

Lygus spp. Pink Bollworm Two-Spotted Spider Mite[2]		

[1]**Boll Weevil:** Apply **Sharda Bifenthrin 17.15% LFC** at an interval of 3 to 4 days until pest numbers are reduced to acceptable levels.
[2]**Aphids and Mites:** Apply when pests first appear. Repeat as needed to maintain control. Higher labeled use rates within the listed rate range will be necessary once a damaging threshold has been reached.

Use Directions:
Apply as needed using sufficient water to obtain uniform coverage. Apply with ground equipment using a minimum of 5 gals. of spray volume/acre or a minimum of 1 gal./acre by aircraft. **Sharda Bifenthrin 17.15% LFC** can be applied in water or refined vegetable oil (soybean/cottonseed).
Application in Water: Apply in a minimum of 5 gals./acre with ground equipment or 1 gal./acre by aircraft. If application is made by air, 1 quart of emulsified oil may be substituted for 1 quart of water in the finished spray.
ULV Application: Apply the labeled rate of **Sharda Bifenthrin 17.15% LFC** in refined vegetable oil in a minimum of 1 quart of finished spray/acre with aircraft calibrated to give adequate coverage.

RESTRICTIONS - COTTON

- **DO NOT** apply more than 0.5 lb. a.i./acre/year, including at-plant, pre-emergence, post-plant incorporated, and foliar treatments of **Sharda Bifenthrin 17.15% LFC** and other products that contain bifenthrin [in all states except in California.] [**For California, DO NOT** apply of more than 0.3 lb. a.i./acre/year.]
- **DO NOT** apply more than 10 synthetic pyrethroid applications (of one product or combination of products) to a cotton crop per year (including, but not limited to Ambush®, Ammo®, Asana® XL, Baythroid®, Baythroid XL®, Brigade®, Capture®, Danitol®, Declare®, Discipline®, Fanfare®, Karate®, and Mustang®).
- **Foliar:**
  - **DO NOT** apply within 14 days of harvest.
  - **DO NOT** graze livestock in treated areas or cut treated crops for feed.
  - **[DO NOT** apply more than 5 foliar applications per year except in California.]
  - [For California, **DO NOT** apply more than 3 foliar applications per year.]

CUCURBITS (Crop Group 9)
Chayote (Fruit), Chinese Waxgourd (Chinese Preserving Melon), Citron Melon, Cucumber, Gherkin, Gourd, Edible *Lagenaria* species (includes Hyotan, Cucuzza), *Luffa* species (includes Hechima, Chinese Okra), *Momordica* species (includes Balsam Apple, Balsam Pear, Bitter Melon, Chinese Cucumber), Muskmelon (Hybrids and/or Cultivars of Cucumis Melo) (includes True Cantaloupe, Cantaloupe, Casaba, Crenshaw Melon, Golden Pershaw Melon, Honeydew Melon, Honey Balls, Mango Melon, Persian Melon, Pineapple Melon, Santa Claus Melon, and Snake Melon), Pumpkin (*Cucurbita* species), Squash, Summer (Includes Crookneck Squash, Scallop Squash, Straightneck Squash, Vegetable Marrow, Zucchini), Squash, Winter (includes Butternut Squash, Calabaza, Hubbard Squash (*C. mixta; C. pepo*) includes Acorn Squash, Spaghetti Squash), and Watermelon (includes Hybrids and/or Varieties of *Citrullus* species)

At-Plant Applications

Pest	Sharda Bifenthrin 17.15% LFC Rates		
	Fl. Oz./Acre	**Fl. Oz./1,000 Linear Ft.**	**Lb. a.i./Acre**
Cucumber Beetle (Larvae)	6.8 - 8.5	0.39 - 0.49	0.08 - 0.1
Army Cutworm Armyworm spp. Cutworm spp. Flea Beetle (Larvae) Grubs True Armyworm Wireworm	3.4 - 6.8	0.2 - 0.39	0.04 - 0.08

Use Directions:
Apply as a 5- to 7-inch band (T-band) over an open furrow, or in-furrow with the seed. Treatment may be applied through transplant water at time of transplanting.
For Cucumber Beetle (Larvae) Control: Apply as a 5- to 7-inch band over an open furrow (T-band), or in-furrow with the seed.
For Army Cutworm, Cutworm Species, True Armyworm, and Armyworm Species Control: Apply as a 5- to 7-inch band over-the-row on the soil surface, a 5- to 7-inch band over the open furrow (T-band), in-furrow with the seed, broadcast to the soil surface or banded over-the-row.
For Wireworm, Grubs, and Flea Beetle (Larvae) Control: Apply as a 5- to 7-inch band over an open furrow (T-band), or in-furrow with the seed or transplant.

Pre-Emergence & Post-Plant Incorporated Applications

Pest	Sharda Bifenthrin 17.15% LFC Rates	
	Fl. Oz./Acre	**Lb. a.i./Acre**
Army Cutworm Armyworm spp. Cutworm spp. Flea Beetle (Larvae) Grubs Seed Corn Maggots True Armyworm Wireworms	**Pre-Emergence:** 6.8 - 8.5	**Pre-Emergence:** 0.08 - 0.1
	Post-Plant Incorporated: 6.8 - 8.5	**Post-Plant Incorporated:** 0.08 - 0.1

Use Directions:

- **Pre-Emergence - Sharda Bifenthrin 17.15% LFC** may be tank mixed with pre-emergence pesticides. Apply through drip or drip tape. Apply when soil is moist towards the end of the irrigation run.
- **Post-Plant Incorporated - Sharda Bifenthrin 17.15% LFC** may be tank mixed with post-plant incorporated pesticides. **DO NOT** incorporate **Sharda Bifenthrin 17.15% LFC** any deeper than the intended planting depth and no deeper than 3 inches. Incorporate to a depth close to the intended seed planting or transplant depth. Apply through drip or drip tape. Apply when soil is moist toward the end of the irrigation run.

Foliar Applications		
Pest	**Sharda Bifenthrin 17.15% LFC Rates**	
	Fl. Oz./Acre	**Lb. a.i./Acre**
Aphids Armyworms Cabbage Looper Corn Earworm Cucumber Beetles Cutworms Grasshopper Leafhoppers Melonworm Pickleworm Plant Bugs Rindworm Squash Bugs Squash Vine Borer Stink Bugs Tobacco Budworm	3.4 - 8.5	0.04 - 0.1
Carmine Mite Lygus spp. Mite Two-Spotted Spider Mite Whitefly	6.8 - 8.5	0.08 - 0.1

Use Directions:
Thorough coverage is essential to obtain sufficient control. Apply when infestation reaches locally determined economic thresholds Apply in a minimum of 5 gals. of spray volume/acre by air or in a minimum of 20 gals./acre with ground equipment. If application is made by air, 1 - 2 quarts of emulsified oil may be substituted for 1 - 2 quarts of water in the finished spray.

RESTRICTIONS - CUCURBITS (CROP GROUP 9)

- **DO NOT** apply more than 0.3 lb. a.i./acre/year, including at-plant, pre-emergence, post-plant incorporated, and foliar treatments of **Sharda Bifenthrin 17.15% LFC** and other products that contain bifenthrin.
- **At-Plant:**
  - **DO NOT** apply more than 0.1 lb. a.i./acre/year as an at-plant application.
- **Foliar:**
  - **DO NOT** apply more than two applications after bloom.
  - **DO NOT** apply treatments less than 7 days apart.
  - **DO NOT** apply within 3 days of harvest.

DRIED BEANS & PEAS (Crop Subgroup 6C)
Including - Dried cultivars of:
Bean (*Lupinus* spp.)
Bean (*Phaseolus* spp.) - Field Bean, Kidney Bean, Lima Bean (Dry), Navy Bean, Pinto Bean, and Tepary Bean
Bean (*Vigna* spp.) - Adzuki Bean, Blackeyed Pea, Catjang, Cowpea, Crowder Pea, Moth Bean, Mung Bean, Rice Bean, Southern Pea, and Urd Bean
Broad Bean (Dry) - Chickpea, Guar, Lablab Bean, and Lentil
Pea (*Pisum* spp.) - Field Pea, Pigeon Pea, and Purple Hulled Peas

At-Plant Applications			
Pest	**Sharda Bifenthrin 17.15% LFC Rates**		
	Fl. Oz./Acre	**Fl. Oz./1,000 Linear Ft.**	**Lb. a.i./Acre**
Corn Rootworm (Larvae)	6.8 - 8.5	0.39 - 0.49	0.08 - 0.1
Army Cutworm Armyworm spp. Cutworm spp. Grape Colaspis Grubs Root Maggots True Armyworm Wireworm	3.4 - 6.8	0.2 - 0.39	0.04 - 0.08
Use Directions:			

Apply as a 5- to 7-inch band over-the-row on the soil surface, 5- to 7-inch band (T-band) over an open furrow, or in-furrow with the seed. Make a broadcast application to the soil surface for control of army cutworm, cutworm species, true armyworm, or armyworm species.

Pre-Emergence & Post-Plant Incorporated Applications

Pest	Sharda Bifenthrin 17.15% LFC Rates	
	Fl. Oz./Acre	**Lb. a.i./Acre**
Army Cutworm Armyworm spp. Cutworm spp. Grape Colaspis Grubs Root Maggots True Armyworm Wireworm (PPI Only)	**Pre-Emergence:** 6.8 - 8.5	**Pre-Emergence:** 0.08 - 0.1
	Post-Plant Incorporated: 6.8 - 8.5	**Post-Plant Incorporated:** 0.08 - 0.1

Use Directions:

- **Pre-Emergence - Sharda Bifenthrin 17.15% LFC** may be tank mixed with pre-emergence herbicides. Apply in a minimum of 10 gals./acre.
- **Post-Plant Incorporated - Sharda Bifenthrin 17.15% LFC** may be tank mixed with post-plant incorporated herbicides. **DO NOT** incorporate **Sharda Bifenthrin 17.15% LFC** any deeper than the intended planting depth and no deeper than 3 inches. Incorporate to a depth close to the intended seed planting or transplant depth.

Foliar Applications

Pest	Sharda Bifenthrin 17.15% LFC Rates	
	Fl. Oz./Acre	**Lb. a.i./Acre**
Aster Leafhopper Flea Beetle Grasshoppers Leafhoppers	2.1 - 8.5	0.025 - 0.1
Alfalfa Caterpillar Aphids Armyworm, Fall Armyworm, Southern Bean Leaf Beetle Beet Armyworm Cloverworm Corn Earworm Corn Rootworm (Adults) Cucumber Beetles Cutworms European Corn Borer Grasshoppers Imported Cabbageworm Japanese Beetle (Adults) Leafminer Loopers Mexican Bean Beetle Pea Leaf Weevil Pea Weevil Plant Bugs Saltmarsh Caterpillar Sap Beetle Stink Bugs Tarnished Plant Bugs Thrips Tobacco Budworm Two-Spotted Spider Mite Webworms Western Bean Cutworm Whitefly Yellowstriped Armyworm	2.8 - 8.5	0.033 - 0.1
Banks Grass Mite Carmine Mite Lygus spp.	6.8 - 8.5	0.08 - 0.1

Use Directions:
Apply in a minimum of 2 gals. finished spray/acre by air or in a minimum of 10 gals./acre with ground equipment. Thorough coverage is essential to achieve sufficient control. When making application by air, 1 - 2 quarts of emulsified oil may be substituted for 1 - 2 quarts of water in the finished spray.

RESTRICTIONS - DRIED BEANS & PEAS (CROP SUBGROUP 6C)

- **DO NOT** apply more than 0.2 lb. a.i./acre to peas, or 0.3 lb. a.i./acre to beans per year, including at-plant, pre-emergence, post-plant incorporated, and foliar treatments of **Sharda Bifenthrin 17.15% LFC** and other products that contain bifenthrin.
- **At-Plant:**
  - **DO NOT** apply more than 0.1 lb. a.i./acre/year as an at-plant application.
- **Foliar:**
  - **DO NOT** apply more than 2 foliar applications to peas and 3 foliar applications to beans.
  - **DO NOT** apply treatments less than 7 days apart.
  - **DO NOT** apply within 14 days of harvest.

EGGPLANT

At-Plant Applications			
Pest	**Sharda Bifenthrin 17.15% LFC Rates**		
	Fl. Oz./Acre	**Fl. Oz./1,000 Linear Ft.**	**Lb. a.i./Acre**
Army Cutworm Armyworm spp. Cutworm spp. Grubs Root Maggots True Armyworm Wireworm	3.4 - 6.8	0.2 - 0.39	0.04 - 0.08
Use Directions: Apply as a 5- to 7-inch band over-the-row on the soil surface, a 5- to 7-inch band over the open furrow (T-band), or in-furrow with the transplant or seed. Make a broadcast application to the soil surface for control of army cutworm, cutworm species, true armyworm, or armyworm species.			

Pre-Emergence & Post-Plant Incorporated Applications		
Pest	**Sharda Bifenthrin 17.15% LFC Rates**	
	Fl. Oz./Acre	**Lb. a.i./Acre**
Army Cutworm Armyworm spp. Cutworm spp. Grubs Root Maggots True Armyworm Wireworm	**Pre-Emergence:** 8.5	**Pre-Emergence:** 0.1
	Post-Plant Incorporated: 3.4 - 8.5	**Post-Plant Incorporated:** 0.04 - 0.1
Use Directions: • **Pre-Emergence - Sharda Bifenthrin 17.15% LFC** may be tank mixed with pre-emergence pesticides. Apply through drip or drip tape. Apply when soil is moist towards the end of the irrigation run. • **Post-Plant Incorporated - Sharda Bifenthrin 17.15% LFC** may be tank mixed with post-plant incorporated pesticides. **DO NOT** incorporate **Sharda Bifenthrin 17.15% LFC** any deeper than the intended planting depth and no deeper than 3 inches. Incorporate to a depth close to the intended seed planting or transplant depth.		

Foliar Applications		
Pest	**Sharda Bifenthrin 17.15% LFC Rates**	
	Fl. Oz./Acre	**Lb. a.i./Acre**
Armyworms (Including Beet) Armyworm, Fall Armyworm, Southern Cabbage Looper Colorado Potato Beetle Corn Earworm Cucumber Beetle Cutworms European Corn Borer Flea Beetle Leafminers Loopers Pepper Weevil Plant Bugs Stink Bugs Thrips Tomato Hornworm Tomato Pinworm Vegetable Leafminer Whitefly Yellowstriped Armyworm	2.8 - 8.5	0.033 - 0.1
Banks Grass Mite Broad Mite Carmine Mite Lygus spp.	6.8 - 8.5	0.08 - 0.1

Pacific Spider Mite Two-Spotted Spider Mite		

Use Directions:
Thorough coverage is essential to obtain sufficient control. Apply when infestation reaches locally determined economic thresholds. Apply in a minimum of 2 gals. of spray volume/acre by air or in a minimum of 10 gals./acre with ground equipment. When applying by air, 1 - 2 quarts of emulsified oil may be substituted for 1 - 2 quarts of water in the finished spray.

RESTRICTIONS - EGGPLANT

- **DO NOT** apply more than 0.2 lb. a.i./acre/year, including at-plant, pre-emergence, post-plant incorporated, and foliar treatments of **Sharda Bifenthrin 17.15% LFC** and other products that contain bifenthrin.
- **At-Plant:**
  - **DO NOT** apply of more than 0.1 lb. a.i./acre/year as an at-plant application.
- **Foliar:**
  - **DO NOT** apply more than two foliar applications per year.
  - **DO NOT** apply treatments less than 7 days apart.
  - **DO NOT** apply within 7 days of harvest.

GRAPES

At-Plant Applications

Pest	Sharda Bifenthrin 17.15% LFC Rates	
	Fl. Oz./Acre	**Lb. a.i./Acre**
Grape Phylloxera (Suppression Only) White Grubs Wireworms	8.5	0.1

Use Directions:
Apply at time of planting over an open furrow in sufficient water for planting. Application may be made through transplant water at time of transplanting.

Pre-Emergence & Post-Plant Incorporated (Site Preparation) Applications

Pest	Sharda Bifenthrin 17.15% LFC Rates	
	Fl. Oz./Acre	**Lb. a.i./Acre**
Grape Phylloxera (Suppression Only) Vine Mealybug	**Pre-Emergence:** 8.5	**Pre-Emergence:** 0.1
	Post-Plant Incorporated: 8.5	**Post-Plant Incorporated:** 0.1

Use Directions:

- **Pre-Emergence - Sharda Bifenthrin 17.15% LFC** may be tank mixed with pre-emergence pesticides. Apply through drip or drip tape. Apply when soil is moist towards the end of the irrigation run.
- **Post-Plant Incorporated - Sharda Bifenthrin 17.15% LFC** may be tank mixed with post-plant incorporated pesticides for site preparation. **DO NOT** incorporate **Sharda Bifenthrin 17.15% LFC** any deeper than the intended planting depth and no deeper than 3 inches. Incorporate to a depth close to the intended seed planting or transplant depth. Apply through drip or drip tape. Apply when soil is moist towards the end of the irrigation run.

Foliar Applications

Pest	Sharda Bifenthrin 17.15% LFC Rates	
	Fl. Oz./Acre	**Lb. a.i./Acre**
Cutworms Eastern Grape Leafhopper Grape Berry Moth Grapevine Root Borer Japanese Beetles (Adults) Lady Beetle (*Scymnus* spp.) Variegated Leafhopper Western Grape Leafhopper	4.3 - 8.5	0.05 - 0.1
Black Vine Weevil Glassy-Winged Sharpshooter Two-Spotted Spider Mite	8.5	0.1

Use Directions:
Thorough coverage is essential to obtain sufficient control. Apply when infestation reaches locally determined economic thresholds. Apply in a minimum of 10 gals. of spray volume by air or in a minimum of 25 gals. of spray volume with ground equipment. When applying by air, 1 - 2 quarts of emulsified oil may be substituted for 1 - 2 quarts of water in the finished spray. When pest pressure is moderate to severe, use the higher labeled use rate listed in the range.

RESTRICTIONS - GRAPES

- **DO NOT** apply more than 0.10 lb. a.i./acre/year, including at-plant, pre-emergence, post-plant incorporated, and foliar treatments of **Sharda Bifenthrin 17.15% LFC** and other products that contain bifenthrin.
- **Foliar:**
  - **DO NOT** apply application within 30 days of harvest.

HEAD LETTUCE

At-Plant Applications

Pest	Sharda Bifenthrin 17.15% LFC Rates		
	Fl. Oz./Acre	**Fl. Oz./1,000 Linear Ft.**	**Lb. a.i./Acre**
Rootworm (Larvae)	6.8 - 8.5	0.39 - 0.49	0.08 - 0.1
Army Cutworm Armyworm spp. Bulb Mites Cutworm spp. Grubs Lettuce Root Aphid Root Maggots True Armyworm Wireworm	3.4 - 6.8	0.2 - 0.39	0.04 - 0.08
Use Directions: Apply as a 5- to 7-inch band over-the-row on the soil surface, a 5- to 7-inch band over the open furrow (T-band), or in-furrow with the seed. Make a broadcast application to the soil surface for control of army cutworm, cutworm species, true armyworm, armyworm species, or bulb mites.			

Post-Plant Incorporated Applications

Pest	Sharda Bifenthrin 17.15% LFC Rates	
	Fl. Oz./Acre	**Lb. a.i./Acre**
Garden Symphylans Lettuce Root Aphids	6.8 - 8.5	0.08 - 0.1

Foliar Applications

Pest	Sharda Bifenthrin 17.15% LFC Rates	
	Fl. Oz./Acre	**Lb. a.i./Acre**
Aphids Armyworms Corn Earworm Cucumber Beetles Cutworms Diamondback Moth Flea Beetles Imported Cabbageworm Leafhoppers Loopers Saltmarsh Caterpillar Stink Bug spp. Tobacco Budworm Whitefly	2.8 - 8.5	0.033 - 0.1
Carmine Mite Lygus spp. Two-Spotted Spider Mite	6.8 - 8.5	0.08 - 0.1
Use Directions: Apply in water as needed for insect control using a minimum of 15 gals. of spray volume/acre with ground equipment and 5 gals./acre by air. When applying by air, 1 - 2 quarts of emulsified oil may be substituted for 1 - 2 quarts of water in the finished spray. Thorough coverage is essential to achieve sufficient control.		

RESTRICTIONS - HEAD LETTUCE

- **DO NOT** apply more than 0.5 lb. a.i./acre/year, including at-plant, post-plant incorporated, and foliar treatments of **Sharda Bifenthrin 17.15% LFC** and other products that contain bifenthrin.
- **At-Plant:**
  - **DO NOT** apply more than 0.1 lb. a.i./acre/year as an at-plant application.
- **Foliar:**
  - **DO NOT** apply more than 5 foliar applications per year.
  - **DO NOT** apply treatments less than 7 days apart.
  - **DO NOT** apply within 7 days of harvest.

HOPS

At-Plant Applications

Pest	Sharda Bifenthrin 17.15% LFC Rates	
	Fl. Oz./Acre	**Lb. a.i./Acre**
Grape Colaspis Rootworms Sweet Potato Flea Beetle White Grubs Wireworms	5.1 - 8.5	0.06 - 0.1
Use Directions: Apply in a T-band that ensures coverage of the entire furrow, immediately prior to planting, or at-planting. Application may also be made as a soil drench with transplant water at time of transplanting. Apply in a minimum of 10 gals./acre of spray.		

Lay-By Applications		
Pest	**Sharda Bifenthrin 17.15% LFC Rates**	
	Fl. Oz./Acre	**Lb. a.i./Acre**
Grape Colaspis Rootworms White Grubs Wireworms	5.1 - 8.5	0.06 - 0.1
Use Directions: Apply of **Sharda Bifenthrin 17.15% LFC** to the transplant area and incorporate with cultivation equipment set to throw soil towards the hill. Apply in a minimum of 10 gals./acre of spray.		

Post-Plant Incorporated Applications		
Pest	**Sharda Bifenthrin 17.15% LFC Rates**	
	Fl. Oz./Acre	**Lb. a.i./Acre**
Grape Colaspis Rootworms White Grubs Wireworm	**Post-Plant Incorporated:** 5.1 - 8.5	**Post-Plant Incorporated:** 0.06 - 0.1
Use Directions: Apply of **Sharda Bifenthrin 17.15% LFC** to the transplant area and incorporate to planting depth. Apply in a minimum of 10 gals./acre of spray. Application may be made as a broadcast application or an incorporated band application.		

Pre-Emergence & Post-Plant Soil Applied Applications		
Pest	**Sharda Bifenthrin 17.15% LFC Rates**	
	Fl. Oz./Acre	**Lb. a.i./Acre**
Grape Colaspis Rootworms White Grubs Wireworms	**Pre-Emergence:** 5.1 - 8.5	**Pre-Emergence:** 0.06 - 0.1
Use Directions: Apply through drip or drip tape. Apply when soil is moist towards the end of the irrigation run.		

Foliar Applications		
Pest	**Sharda Bifenthrin 17.15% LFC Rates**	
	Fl. Oz./Acre	**Lb. a.i./Acre**
Aphids Armyworms Cutworms Leafrollers Loopers	5.1 - 8.5	0.06 - 0.1
Root Weevils	4.3 - 8.5	0.05 - 0.1
Two-Spotted Spider Mite	8.5	0.1
Use Directions: **Ground Applications:** For optimum results, full coverage is essential. Early season, use 100 - 150 gals. of spray volume/acre. Late season, use 200 - 250 gals. of spray volume/acre. **For Root Weevil Control:** Apply a directed spray at the base of the plant. Spray up the vine 3 ft. and the soil surface 1.5 - 2 ft. on either side of the plant. **Air Applications For Late Year Control of Two-Spotted Spider Mites:** Apply no less than 6.4 oz. (0.1 lb. a.i.) per application in a minimum of 10 gals./acre.		

RESTRICTIONS - HOPS

- **DO NOT** apply more than 0.3 lb. a.i./acre/year, including at-plant, lay-by, pre-emergence, post-plant incorporated, and foliar treatments of **Sharda Bifenthrin 17.15% LFC** and other products that contain bifenthrin.
- **DO NOT** use ultra-low volume (ULV) application on hops.
- **Foliar:**
  - **DO NOT** apply more than 0.1 lb. a.i./acre per foliar application.
  - DO NOT apply more than 3 foliar applications per year.
  - **DO NOT** apply treatments less than 21 days apart.
  - **DO NOT** apply within 14 days of harvest.

LEAFY BRASSICAS (Crop Subgroup 5B) & TURNIP GREENS
Broccoli Raab, Bok Choy, Collards, Kale, Mizuna, Mustard Greens, Mustard Spinach, Rape Greens, and Turnip Greens

At-Plant Applications			
Pest	**Sharda Bifenthrin 17.15% LFC Rates**		
	Fl. Oz./Acre	**Fl. Oz./1,000 Linear Ft.**	**Lb. a.i./Acre**
Rootworm (Larvae)	6.8 - 8.5	0.39 - 0.49	0.08 - 0.1
Army Cutworm Armyworm spp.	3.4 - 6.8	0.2 - 0.39	0.04 - 0.08

Cutworm spp. Grubs Lettuce Root Aphids Root Maggots True Armyworm Wireworm			

Use Directions:
Apply as a 5- to 7-inch band over-the-row on the soil surface, a 5- to 7-inch band over the open furrow (T-band), or in-furrow with the seed or transplant. Application may be made through transplant water at time of transplanting. Make a broadcast application over the soil surface for control of army cutworm, cutworm species, true armyworm, or armyworm species.

Pre-Emergence & Post-Plant Incorporated Applications

Pest	Sharda Bifenthrin 17.15% LFC Rates	
	Fl. Oz./Acre	**Lb. a.i./Acre**
Army Cutworm Armyworm spp. Cutworm spp. Flea Beetle (Larvae) Grubs Lettuce Root Aphids Root Maggots True Armyworm Wireworms	**Pre-Emergence:** 3.4 - 6.8	**Pre-Emergence:** 0.04 - 0.08
	Post-Plant Incorporated: 3.4 - 6.8	**Post-Plant Incorporated:** 0.04 - 0.08

Use Directions:
- **Pre-Emergence - Sharda Bifenthrin 17.15% LFC** may be tank mixed with pre-emergence pesticides. Apply through drip or drip tape. Apply when soil is moist towards the end of the irrigation run.
- **Post-Plant Incorporated - Sharda Bifenthrin 17.15% LFC** may be tank mixed with post-plant incorporated pesticides. **DO NOT** incorporate **Sharda Bifenthrin 17.15% LFC** any deeper than the intended planting depth and no deeper than 3 inches. Incorporate to a depth close to the intended seed planting or transplant depth. Apply through drip or drip tape. Apply when soil is moist towards the end of the irrigation run.

Foliar Applications

Pest	Sharda Bifenthrin 17.15% LFC Rates	
	Fl. Oz./Acre	**Lb. a.i./Acre**
Aphids Armyworms Corn Earworm Crickets Cucumber Beetles Cutworms Diamondback Moth Flea Beetles Grasshoppers Ground Beetles Imported Cabbageworm Japanese Beetle (Adults) Leafhoppers Loopers Saltmarsh Caterpillar Stink Bugs Thrips Tobacco Budworm Whitefly Wireworm (Adults)	2.8 - 8.5	0.033 - 0.1
Banks Grass Mite Carmine Mite Lygus spp. Pacific Spider Mite Two-Spotted Spider Mite	6.8 - 8.5	0.08 - 0.1

Use Directions:
Thorough coverage is essential to obtain sufficient control. Apply when infestation reaches locally determined economic thresholds. Apply in a minimum of 2 gals. of spray volume/acre by air or in a minimum of 10 gals./acre with ground equipment. When applying by air, 1 - 2 quarts of emulsified oil may be substituted for 1 - 2 quarts of water in the finished spray.

RESTRICTIONS - LEAFY BRASSICA (CROP SUBGROUP 5B) & TURNIP GREENS
- **DO NOT** apply more than 0.4 lb. a.i./acre/year, including at-plant, pre-emergence, post-plant incorporated, and foliar treatments of **Sharda Bifenthrin 17.15% LFC** and other products that contain bifenthrin.
- **At-Plant:**
  - **DO NOT** apply more than 0.1 lb. a.i./acre/year as an at-plant application.
- **Foliar:**
  - **DO NOT** apply more than 4 foliar applications per year

- **DO NOT** apply treatments less than 7 days apart.
- **DO NOT** apply within 7 days of harvest.

LEAFY PETIOLE VEGETABLES (Crop Subgroup 4B)
Celery, Cardoon, Chinese celery, Celtuce, Florence fennel, Rhubarb, and Swiss chard

At-Plant Applications		
Pest	**Sharda Bifenthrin 17.15% LFC Rates**	
	Fl. Oz./Acre	**Lb. a.i./Acre**
Cutworm spp. Garden Symphylans Lettuce Root Aphids	3.4 - 8.5	0.04 - 0.1
Use Directions: Apply as a 5- to 7-inch band (T-band) over an open furrow, or in-furrow with the seed. Application may be made through transplant water at time of transplanting.		
Pre-Emergence & Post-Plant Incorporated Applications		
Pest	**Sharda Bifenthrin 17.15% LFC Rates**	
	Fl. Oz./Acre	**Lb. a.i./Acre**
Army Cutworm Armyworm spp. Cutworm spp. Flea Beetle (Larvae) Grubs True Armyworm Wireworm	**Pre-Emergence:** 3.4 - 8.5	**Pre-Emergence:** 0.04 - 0.1
	Post-Plant Incorporated: 8.5	**Post-Plant Incorporated:** 0.04 - 0.1
Use Directions: • **Pre-Emergence - Sharda Bifenthrin 17.15% LFC** may be tank mixed with pre-emergence pesticides. • **Post-Plant Incorporated - Sharda Bifenthrin 17.15% LFC** may be tank mixed with post-plant incorporated pesticides. **DO NOT** incorporate **Sharda Bifenthrin 17.15% LFC** any deeper than the intended planting depth and no deeper than 3 inches. Incorporate to a depth close to the intended seed planting or transplant depth.		
Foliar Applications		
Pest	**Sharda Bifenthrin 17.15% LFC Rates**	
	Fl. Oz./Acre	**Lb. a.i./Acre**
Aphids Armyworms Corn Earworm Crickets Cucumber Beetles Cutworms Diamondback Moth Flea Beetles Ground Beetles Imported Cabbageworm Leafhoppers Loopers Saltmarsh Caterpillar Stink Bugs Thrips Tobacco Budworm Whitefly Wireworm (Adults)	3.4 - 8.5	0.04 - 0.1
Banks Grass Mite Carmine Mite Lygus spp. Pacific Spider Mite Two-Spotted Spider Mite	6.8 - 8.5	0.08 - 0.1
Use Directions: Thorough coverage is essential to obtain sufficient control. Apply when infestation reaches locally determined economic thresholds. Apply in a minimum of 2 gals. of spray volume/acre by air or in a minimum of 10 gals. of spray volume/acre with ground equipment. When applying by air, 1 - 2 quarts of emulsified oil may be substituted for 1 - 2 quarts of water in the finished spray.		

RESTRICTIONS - LEAFY PETIOLE VEGETABLES (CROP SUBGROUP 4B)

- **DO NOT** apply more than 0.5 lb. a.i./acre/year, including at-plant, pre-emergence, post-plant incorporated, and foliar treatments of **Sharda Bifenthrin 17.15% LFC** and other products that contain bifenthrin.
- **Foliar:**
  - **DO NOT** apply more than 5 foliar applications per year.
  - **DO NOT** apply treatments less than 7 days apart.

- **DO NOT** apply within 7 days of harvest.

MAYHAW

Pre-Emergence & Post-Plant Incorporated Applications		
Pest	**Sharda Bifenthrin 17.15% LFC Rates**	
	Fl. Oz./Acre	**Lb. a.i./Acre**
White Grubs Wireworm	**Pre-Emergence:** 8.5	**Pre-Emergence:** 0.1
	Post-Plant Incorporated: 8.5	**Post-Plant Incorporated:** 0.1

Use Directions:
- **Pre-Emergence - Sharda Bifenthrin 17.15% LFC** may be tank mixed with pre-emergence pesticides.
- **Post-Plant Incorporated - Sharda Bifenthrin 17.15% LFC** may be tank mixed with post-plant incorporated pesticides labeled for site preparation. **DO NOT** incorporate **Sharda Bifenthrin 17.15% LFC** any deeper than the intended planting depth and no deeper than 3 inches. Incorporate to a depth close to the intended seed planting or transplant depth.

Foliar Applications		
Pest	**Sharda Bifenthrin 17.15% LFC Rates**	
	Fl. Oz./Acre	**Lb. a.i./Acre**
Plum Curculio	6.8 - 8.5	0.08 - 0.1

Use Directions:
Make a foliar application in at least 28 gals./acre.

RESTRICTIONS - MAYHAW
- **DO NOT** apply more than 0.2 lb. a.i./acre/year, including pre-emergence, post-plant incorporated, and foliar treatments of **Sharda Bifenthrin 17.15% LFC** and other products that contain bifenthrin.
- **Foliar:**
  - **DO NOT** apply more than 2 foliar applications per year
  - **DO NOT** apply treatment more than once, every 7 days.
  - **DO NOT** apply within 30 days of harvest.

OKRA

At-Plant Applications			
Pest	**Sharda Bifenthrin 17.15% LFC Rates**		
	Fl. Oz./Acre	**Fl. Oz./1,000 Linear Ft.**	**Lb. a.i./Acre**
Armyworm Cutworm spp. Flea Beetle (Larvae) Grape Colaspis Root Maggots White Grubs Wireworm	3.4 - 6.8	0.2 - 0.39	0.04 - 0.08

Use Directions:
Apply as a 5- to 7-inch band over-the-row on the soil surface, a 5- to 7-inch band over the open furrow (T-band), in-furrow with the seed, or broadcast to the soil surface.

Pre-Emergence & Post-Plant Incorporated Applications		
Pest	**Sharda Bifenthrin 17.15% LFC Rates**	
	Fl. Oz./Acre	**Lb. a.i./Acre**
Cutworm spp.	**Pre-Emergence:** 3.4 - 8.5	**Pre-Emergence:** 0.04 - 0.1
Cutworm spp. Flea Beetle (Larvae) Grape Colaspis Root Maggots White Grubs Wireworm	**Post-Plant Incorporated:** 3.4 - 8.5	**Post-Plant Incorporated:** 0.04 - 0.1

Use Directions:
- **Pre-Emergence - Sharda Bifenthrin 17.15% LFC** may be tank mixed with pre-emergence herbicides.
- **Post-Plant Incorporated - Sharda Bifenthrin 17.15% LFC** may be tank mixed with post-plant incorporated herbicides. . **DO NOT** incorporate **Sharda Bifenthrin 17.15% LFC** any deeper than the intended planting depth and no deeper than 3 inches. Incorporate to a depth close to the intended seed planting or transplant depth.

Foliar Applications		
Pest	**Sharda Bifenthrin 17.15% LFC Rates**	
	Fl. Oz./Acre	**Lb. a.i./Acre**
Aphids Armyworms Corn Earworm Cucumber Beetles Cutworms European Corn Borer Flea Beetles	2.8 - 8.5	0.033 - 0.1

Japanese Beetle (Adults) Leafminers Loopers Stink Bugs Thrips Whitefly		
Broad Mite Carmine Mite Lygus spp. Two-Spotted Spider Mite	6.8 - 8.5	0.08 - 0.1
Use Directions: Apply as labeled using sufficient water to obtain uniform coverage. Apply with ground equipment using a minimum of 10 gals. of finished spray/acre or a minimum of 2 gals./acre by aircraft.		
RESTRICTIONS - OKRA		

• **DO NOT** apply more than 0.2 lb. a.i./acre/year, including at-plant, pre-emergence, post-plant incorporated, and foliar treatments of **Sharda Bifenthrin 17.15% LFC** and other products that contain bifenthrin.
• **At-Plant:**
  • **DO NOT** apply more than 0.1 lb. a.i./acre/year as an at-plant application.
• **Foliar:**
  • **DO NOT** apply more than 2 foliar applications per year
  • **DO NOT** apply treatments less than 7 days apart.
  • **DO NOT** apply within 7 days of harvest.		

PEANUT

At-Plant Applications			
Pest	**Sharda Bifenthrin 17.15% LFC Rates**		
	Fl. Oz./Acre	**Fl. Oz./1,000 Linear Ft.**	**Lb. a.i./Acre**
Aphids Leafhoppers Thrips Wireworms	6.8 - 8.5	0.36 - 0.49	0.08 - 0.1
Use Directions: Apply as a 5- to 7-inch band (T-band) over an open furrow, or in-furrow with the seed.			

Foliar Applications		
Pest	**Sharda Bifenthrin 17.15% LFC Rates**	
	Fl. Oz./Acre	**Lb. a.i./Acre**
Armyworm, Fall Armyworm, Southern Beet Armyworm Corn Earworm Corn Rootworm, Southern Cutworm spp. Grasshoppers Green Cloverworm Leafhoppers Lesser Cornstalk Borer Loopers Rednecked Peanut Worm Stink Bugs Three-Cornered Alfalfa Hopper Velvetbean Caterpillar Yellowstriped Armyworm	2.8 - 8.5	0.033 - 0.1
Aphids Spider Mites Thrips Whitefly	6.8 - 8.5	0.08 - 0.1
Use Directions: Apply in a minimum of 10 gals./acre with ground equipment or 2 gals./acre by air.		
RESTRICTIONS - PEANUT		

• **DO NOT** apply more than 0.5 lb. a.i./acre/year, including at-plant and foliar applications of **Sharda Bifenthrin 17.15% LFC** and other products that contain bifenthrin containing products.
• **Foliar:**
  • **DO NOT** apply more than 5 foliar applications per year.
  • **DO NOT** apply treatments less than 14 days apart.
  • **DO NOT** apply within 14 days of harvest.
  • **DO NOT** feed green immature plants and peanut hay to livestock.		

PEARS

Foliar Applications

Pest	Sharda Bifenthrin 17.15% LFC Rates	
	Fl. Oz./Acre	**Lb. a.i./Acre**
Aphids Codling Moth Cutworms Green Fruitworm Leafhoppers Leafminers Leafrollers Lygus spp. Plant Bugs Plum Curculio San Jose Scale (Crawlers) Stink Bugs Tarnished Plant Bugs	3.4 - 17.1	0.04 - 0.2
European Red Mite	5.1 - 17.1	0.06 - 0.2
Two-Spotted Spider mite Yellow Mite	6.8 - 17.1	0.08 - 0.2

Use Directions:
Ground Applications: Apply as a dilute (minimum of 200 gals. of spray volume/acre) or concentrate (minimum of 50 gals. of spray volume/acre) spray in sufficient water to provide thorough coverage.
Air Applications: Apply of the specified use rate in a minimum of 10 gals./acre by air.

RESTRICTIONS - PEARS

- **DO NOT** apply more than 0.5 lb. a.i./acre/year for foliar treatments of **Sharda Bifenthrin 17.15% LFC** and other products that contain bifenthrin with no more than 0.45 lb. a.i./acre applied after petal-fall.
- **Foliar:**
  - **DO NOT** apply more than 3 applications per year.
  - **DO NOT** apply treatments less than 30 days apart.
  - **DO NOT** apply within 14 days of harvest.
  - **DO NOT** graze livestock in treated orchards or cut treated cover crops for feed.

PEPPERS (BELL and NON-BELL) & PEPINO

At-Plant Applications

Pest	Sharda Bifenthrin 17.15% LFC Rates		
	Fl. Oz./Acre	**Fl. Oz./1,000 Linear Ft.**	**Lb. a.i./Acre**
Army Cutworm Armyworm spp. Cutworm spp. Flea Beetle (Larvae) Grubs Pepper Maggots Root Aphids Root Maggots Stalk Borer True Armyworm Wireworm	3.4 - 6.8	0.2 - 0.39	0.04 - 0.08

Use Directions:
Apply as a 5- to 7-inch band over-the-row on the soil surface, a 5- to 7-inch band over the open furrow (T-band), or in-furrow with the transplant or seed. Application may be made through transplant water at time of transplanting. Make a broadcast application over the soil surface for control of army cutworm, cutworm species, true armyworm, armyworm species, or stalk borer.

Pre-Emergence & Post-Plant Incorporated Applications

Pest	Sharda Bifenthrin 17.15% LFC Rates	
	Fl. Oz./Acre	**Lb. a.i./Acre**
Army Cutworm Armyworm spp. Cutworm spp. Flea Beetle (Larvae) Grubs True Armyworm Wireworm	**Pre-Emergence:** 8.5	**Pre-Emergence:** 0.1
	Post-Plant Incorporated: 3.4 - 8.5	**Post-Plant Incorporated:** 0.04 - 0.1

Use Directions:

- **Pre-Emergence - Sharda Bifenthrin 17.15% LFC** may be tank mixed with pre-emergence pesticides. Apply through drip or drip tape. Apply when soil is moist towards the end of the irrigation run.
- **Post-Plant Incorporated - Sharda Bifenthrin 17.15% LFC** may be tank mixed with post-plant incorporated pesticides. **DO NOT** incorporate **Sharda Bifenthrin 17.15% LFC** any deeper than the intended planting depth and no deeper than 3 inches. Incorporate to a depth close to the intended seed planting or transplant depth. Apply through drip or drip tape. Apply when soil is moist towards the end of the irrigation run.

Foliar Applications		
Pest	**Sharda Bifenthrin 17.15% LFC Rates**	
	Fl. Oz./Acre	**Lb. a.i./Acre**
Armyworms (Including Beet) Armyworm, Fall Armyworm, Southern Cabbage Looper Colorado Potato Beetle Corn Earworm Cucumber Beetle Cutworms European Corn Borer Flea Beetle Leafminers Loopers Pepper Weevil Plant Bugs Stink Bugs Thrips Tomato Hornworm Tomato Pinworm Vegetable Leafminer Whitefly Yellowstriped Armyworm	2.8 - 8.5	0.033 - 0.1
Broad Mite Carmine Mite Lygus spp. Pacific Spider Mite Two-Spotted Spider Mite	6.8 - 8.5	0.08 - 0.1
Use Directions: Thorough coverage is essential to obtain sufficient control. Apply when the infestation reaches locally determined economic thresholds. Apply in a minimum of 2 gals. of spray volume/acre by air or in a minimum of 10 gals./acre with ground equipment. When applying by air, 1 - 2 quarts of emulsified oil may be substituted for 1 - 2 quarts of water in the finished spray.		
RESTRICTIONS - PEPPERS (BELL AND NON-BELL) & PEPINO		

• **DO NOT** apply more than 0.2 lb. a.i./acre/year, including at-plant, pre-emergence, post-plant incorporated, and foliar treatments of **Sharda Bifenthrin 17.15% LFC** and other products that contain bifenthrin.
• **At-Plant:**
  • **DO NOT** apply more than 0.1 lb. a.i./acre/year as an at-plant application.
• **Foliar:**
  • **DO NOT** apply more than 2 foliar applications per year.
  • **DO NOT** apply treatments less than 7 days apart.
  • **DO NOT** apply within 7 days of harvest.		

ROOT CROPS (Except Sugar Beets and Garden Beets) (Crop Subgroup 1B)
Burdock Edible, Carrot, Celeriac, Chervil Turnip Rooted, Chicory, Garden Beet, Ginseng, Horseradish, Parsley Turnip Rooted, Parsnip, Radish, Radish Oriental, Rutabaga, Salsify, Salsify Black, Salsify Spanish, Skirret, and Turnip

At-Plant Applications		
Pest	**Sharda Bifenthrin 17.15% LFC Rates**	
	Fl. Oz./Acre	**Lb. a.i./Acre**
Crown Aphids Cutworms Flea Beetles Root Aphids Root Maggots Seed Corn Maggots Wireworms	8.5	0.1
Use Directions: Apply as a 5- to 7-inch band (T-band) over an open furrow, or in-furrow with the seed. Application may be made through transplant water at time of transplanting.		
Pre-Emergence & Post-Plant Incorporated Applications		
Pest	**Sharda Bifenthrin 17.15% LFC Rates**	
	Fl. Oz./Acre	**Lb. a.i./Acre**
Crown Aphids Cutworms Flea Beetles Root Aphids Root Maggots Seed Corn Maggots Wireworms	**Pre-Emergence:** 8.5	**Pre-Emergence:** 0.1
	Post-Plant Incorporated: 8.5	**Post-Plant Incorporated:** 0.1

Use Directions:
- **Pre-Emergence - Sharda Bifenthrin 17.15% LFC** may be tank mixed with pre-emergence pesticides.
- **Post-Plant Incorporated - Sharda Bifenthrin 17.15% LFC** may be tank mixed with post-plant incorporated herbicides. **DO NOT** incorporate **Sharda Bifenthrin 17.15% LFC** any deeper than the intended planting depth and no deeper than 3 inches. Incorporate to a depth close to the intended seed planting or transplant depth.

Foliar Applications		
Pest	**Sharda Bifenthrin 17.15% LFC Rates**	
	Fl. Oz./Acre	**Lb. a.i./Acre**
Aphids Armyworm, Fall Armyworm, Southern Beet Armyworm Celery Leaf Tier Corn Earworm Cross Striped Cabbageworm Cutworms Diamondback Moth European Corn Borer Fire Ants Flea Beetles Green Cloverworm Hornworms Imported Cabbageworm Loopers Spider Mites Tobacco Budworm Velvetbean Caterpillar Whitefly Yellowstriped Armyworm	6.8 - 8.5	0.08 - 0.1

Use Directions:
Thorough coverage is essential to obtain sufficient control. Apply when infestation reaches locally determined economic thresholds. Make a foliar application in at least 25 gals./acre.

RESTRICTIONS - ROOT CROPS (EXCEPT SUGAR BEETS AND GARDEN BEETS) (CROP SUBGROUP 1B)
- **DO NOT** apply more than 0.5 lb. a.i./acre/year, including at-plant, pre-emergence, post-plant incorporated, and foliar treatments of **Sharda Bifenthrin 17.15% LFC** and other products that contain bifenthrin.
- **Foliar:**
  - **DO NOT** apply more than 5 foliar applications per year.
  - **DO NOT** apply treatments less than 7 days apart.
  - **DO NOT** apply within 21 days of harvest.

GARDEN BEETS

At-Plant Applications		
Pest	**Sharda Bifenthrin 17.15% LFC Rates**	
	Fl. Oz./Acre	**Lb. a.i./Acre**
Crown Aphids Cutworms Flea Beetles Root Aphids Root Maggots Seed Corn Maggots Wireworms	8.5	0.1

Use Directions:
Apply as a 5- to 7-inch band (T-band) over an open furrow, or in-furrow with the seed. Application may be made through transplant water at time of transplanting.

Pre-Emergence & Post-Plant Incorporated Applications		
Pest	**Sharda Bifenthrin 17.15% LFC Rates**	
	Fl. Oz./Acre	**Lb. a.i./Acre**
Crown Aphids Cutworms Flea Beetles	**Pre-Emergence:** 8.5	**Pre-Emergence:** 0.1
Root Aphids Root Maggots Seed Corn Maggots Wireworms	**Post-Plant Incorporated:** 8.5	**Post-Plant Incorporated:** 0.1

Use Directions:
- **Pre-Emergence - Sharda Bifenthrin 17.15% LFC** may be tank mixed with pre-emergence pesticides.

- **Post-Plant Incorporated - Sharda Bifenthrin 17.15% LFC** may be tank mixed with post-plant incorporated herbicides. **DO NOT** incorporate **Sharda Bifenthrin 17.15% LFC** any deeper than the intended planting depth and no deeper than 3 inches. Incorporate to a depth close to the intended seed planting or transplant depth.

Foliar Applications		
Pest	**Sharda Bifenthrin 17.15% LFC Rates**	
	Fl. Oz./Acre	**Lb. a.i./Acre**
Garden Beet Pests Only Aphids Fire Ants Flea Beetles Lepidopterous (Larvae) Spider Mites Whitefly	6.8 - 8.5	0.08 - 0.1

Use Directions:
Thorough coverage is essential to obtain sufficient control. Apply when infestation reaches locally determined economic thresholds. Make a foliar application in at least 25 gals./acre.

RESTRICTIONS - GARDEN BEETS

- **DO NOT** apply more than 0.4 lb. a.i./acre/year, including at-plant, pre-emergence, post-plant incorporated, and foliar treatments of **Sharda Bifenthrin 17.15% LFC** and other products that contain bifenthrin.
- **Foliar:**
  - **DO NOT** apply more than 4 foliar applications per year.
  - **DO NOT** apply treatments less than 7 days apart.
  - **DO NOT** apply within 1 day of harvest.

GRASS FORAGE, FODDER, and HAY GROUP & GRASS GROWN FOR SEED, PASTURE, and RANGELAND
Idaho, Oregon, and Washington Only
Bahiagrass, Barnyardgrass, Bentgrass, Bermudagrass, Kentucky Bluegrass, Big Bluestem, Smooth Bromegrass, Buffalograss, Reed Canarygrass, Centipedegrass, Crabgrass, Cupgrass, Dallisgrass, Sand Dropseed, Kentucky Fescue, Meadow Foxtail, Eastern Grama Grass, Side-Oats Grama, Guinea Grass, Indian Grass, Johnsongrass, Lovegrass, Napiergrass, Oatgrass, Orchardgrass, Pangola Grass, Paspalum, Redtop, Italian Ryegrass, St. Augustine Grass, Sprangletop, Squirreltail Grass, Stargrass, Switchgrass, Timothy, Crested Wheatgrass, Wildrye Grass, and Zoysia Grass. Also included are Sudangrass and Sorghum Forages and their Hybrids

At-Plant Applications			
Pest	**Sharda Bifenthrin 17.15% LFC Rates**		
	Fl. Oz./Acre	**Fl. Oz./1,000 Linear Ft.**	**Lb. a.i./Acre**
Army Cutworm Armyworm spp. Cutworm spp. Grape Colaspis Grubs Root Maggots True Armyworm Wireworm	8.5	0.39	0.1

Use Directions:
Apply as a 5- to 7-inch band over-the-row on the soil surface, a 5- to 7-inch band over the open furrow (T-band), or in-furrow with the seed. Make a broadcast application over the soil surface for control of army cutworm, cutworm species, true armyworm, or armyworm species. Apply in a minimum of 5 gals./acre when applied as in in-furrow or T-band application.

Pre-Emergence & Post-Plant Incorporated Applications		
Pest	**Sharda Bifenthrin 17.15% LFC Rates**	
	Fl. Oz./Acre	**Lb. a.i./Acre**
Army Cutworm Armyworm spp. Cutworm spp. Grape Colaspis	**Pre-Emergence:** 8.5	**Pre-Emergence:** 0.1
Grubs Root Maggots True Armyworm Wireworm (PPI Only)	**Post-Plant Incorporated:** 8.5	**Post-Plant Incorporated:** 0.1

Use Directions:

- **Pre-Emergence - Sharda Bifenthrin 17.15% LFC** may be tank mixed with pre-emergence herbicides. Apply in a minimum of 10 gals./acre.
- **Post-Plant Incorporated - Sharda Bifenthrin 17.15% LFC** may be tank mixed with post-plant incorporated herbicides. **DO NOT** incorporate **Sharda Bifenthrin 17.15% LFC** any deeper than the intended planting depth and no deeper than 3 inches. Incorporate to a depth close to the intended seed planting or transplant depth. Apply in a minimum of 10 gals./acre.

Foliar Applications		
Pest	**Sharda Bifenthrin 17.15% LFC Rates**	
	Fl. Oz./Acre	**Lb. a.i./Acre**
Alfalfa Caterpillar Alfalfa Looper	8.5	0.1

Alfalfa Weevil Ant spp. Armyworm, Fall Armyworm, Southern Armyworm, True Armyworm, Yellowstriped Banks Grass Mite Black Grass Bug Blue Alfalfa Aphid[1] Carmine Mite Cereal Leaf Beetle Chinch Bug Cricket Cutworms Egyptian Alfalfa Weevil (Larvae & Adults) Flea Beetles Grass Mealybug Grasshoppers Green Cloverworm Green Peach Aphid[1] Hornworms Hunting Bill Bug Lygus spp. Meadow Spittlebug Pea Aphid[1] Plant Bug spp. Potato Leafhopper Range Caterpillar Spotted Alfalfa Aphid[1] Stink Bugs Three-Cornered Alfalfa Hopper Velvetbean Caterpillar Webworms		

[1]Aphid control may vary depending upon the species present and the host-plant relationships.

Use Directions:
Apply as insects appear in sufficient water volume to ensure thorough coverage of foliage. Use the higher labeled use rate in the rate range for heavier pest pressure o r for increased residual pest control. **DO NOT** exceed the maximum labeled use rate. Apply in a minimum of 2 gals. spray volume/acre by air or in a minimum of 10 gals./acre with ground equipment. Higher volumes of spray volume may improve insect control when there are high temperatures, when foliage is dense and/or when pest pressure is high.

RESTRICTIONS - GRASS FORAGE, FODDER, AND HAY GROUP & GRASS GROWN FOR SEED, PASTURE, AND RANGELAND

- **DO NOT** apply more than 0.2 lb. a.i. to grass forage, fodder, and hay group, and grass grown for seed, pasture and rangeland, including at-plant, pre-emergence, post-plant incorporated, and foliar treatments of **Sharda Bifenthrin 17.15% LFC** and other products that contain bifenthrin.
- **Foliar:**
  - **DO NOT** apply more than 2 foliar applications per year.
  - **DO NOT** apply treatments less than 14 days apart.
  - **DO NOT** apply within 30 days of harvest for forage and hay.

SOD FARMS

At-Plant Applications		
Pest	**Sharda Bifenthrin 17.15% LFC Rates**	
	Fl. Oz./Acre	**Lb. a.i./Acre**
Ants Chinch Bugs[5] Crickets Cutworms[1] Earwigs Imported Fire Ants[8] White Grubs Wireworm	8.5	0.1
Use Directions: Apply as a 5- to 7-inch band (T-band) over an open furrow, or in-furrow with the seed.		
Pre-Emergence & Post-Plant Incorporated Applications		
Pest	**Sharda Bifenthrin 17.15% LFC Rates**	
	Fl. Oz./Acre	**Lb. a.i./Acre**
Ants	**Pre-Emergence:** 8.5	**Pre-Emergence:** 0.1

Chinch Bugs[5] Crickets Cutworms[1] Earwigs Imported Fire Ants[8] White Grubs Wireworm	**Post-Plant Incorporated:** 8.5	**Post-Plant Incorporated:** 0.1

Use Directions:

- **Pre-Emergence - Sharda Bifenthrin 17.15% LFC** may be tank mixed with pre-emergence herbicides.
- **Post-Plant Incorporated - Sharda Bifenthrin 17.15% LFC** may be tank mixed with post-plant incorporated herbicides. **DO NOT** incorporate **Sharda Bifenthrin 17.15% LFC** any deeper than the intended planting depth and no deeper than 3 inches. Incorporate to a depth close to the intended seed planting or transplant depth.

Foliar Applications

Pest	Sharda Bifenthrin 17.15% LFC Rates		
	Fl. Oz./Acre	**Fl. Oz./1,000 Linear Ft.**	**Lb. a.i./Acre**
Armyworms[1] Cutworms[1] Sod Webworm[1]	2.8 - 4.35	0.066 - 0.1	0.033 - 0.05
Annual Bluegrass Weevil (*Hyperodes*) (Adults)[2] Banks Grass Mite[6] Billbugs (Adults)[3] Black Turfgrass Ataenius (Adults)[4] Crickets Earwigs Fleas (Adults) Grasshoppers Mealybugs Mites[6]	4.35 - 8.7	0.1 - 0.2	0.05 - 0.1
Ants Chinch Bugs[5] Fleas (Larvae)[7] Imported Fire Ants[8] Japanese Beetle (Adults) Mole Cricket (Adults)[9] Mole Cricket (Nymphs)[10] Ticks[11]	8.7 - 17.42	0.2 - 0.4	0.1 - 0.2

Use Directions:

Make a broadcast application. When treating dense grass foliage, use a higher spray volume at the labeled rate of up to 10 gals. of carrier per 1,000 sq. ft. to obtain uniform spray coverage. Irrigation to treated area within a few hours after application may improve efficacy to mole crickets and other sub-surface pests. The application use rates listed in the table above will provide control of the pests listed under normal conditions. At the discretion of the applicator, applications of **Sharda Bifenthrin 17.15% LFC** may be made at up to 0.4 fl. oz./1,000 sq. ft. to control each of the pests listed in the table. The higher labeled application use rates should be used when maximum residual control is needed, or heavy pest populations are present.

[1]**Armyworms, Cutworms, and Sod Webworms:** To obtain best control, delay watering (irrigation) or mowing for 24 hours following application. If the grass area is maintained at a mowing height of greater than 1 inch, the higher labeled application use rate listed in the range (up to 0.4 fl. oz./1,000 sq. ft.) may be necessary during periods of heavy pest pressure.

[2]**Annual Bluegrass Weevil (*Hyperodes*) (Adults):** Treatments should be timed to control adult weevils as they leave their overwintering sites and move into grass areas. This movement typically starts when *Forsythia* is in full bloom and concludes when flowering dogwood (*Cornus florida*) is in full bloom. Consult your local or State Cooperative Extension Service for more information about application timing.

[3]**Billbug (Adults):** Treatments should be made when adult billbugs are first seen during April and May. Degree day models have been developed to help determine application timing. Consult your local or State Cooperative Extension Service for information specific to your region. In temperate regions, spring treatments that target billbug adults will also provide control of over-wintered chinch bugs.

[4]**Black Turfgrass Ataenius (Adults):** Treatments should be made during May and July to control the first and second generation of black turfgrass ataenius adults, respectively. Time the May application to coincide with the full bloom stage of Vanhoutte Spiraea (*Spiraea vanhouttei*) and horse chestnut (*Aesculus hippocastanum*). Time the July application to coincide with the blooming of Rose of Sharon (*Hibiscus syriacus*).

[5]**Chinch Bugs:** Chinch Bugs infest the base of grass plants and are often located in the thatch layer. Irrigation of the grass area before treatment will help with penetration of the product to the area where the chinch bugs are located. Use higher spray volume treatments if the thatch layer is excessive or if a relatively long mowing height is being maintained. Chinch Bugs are difficult to control pests in grasses, and the higher labeled application use rates (up to 0.4 fl. oz./1,000 sq. ft.) may be necessary to control populations that contain both nymphs and adults during the middle of the summer.

[6]**Mites:** To ensure best control of eriophyid mites, apply in combination with the labeled application rate of a surfactant. A second application, five to seven days following the first, may be needed to achieve sufficient control.

[7]**Flea (Larvae):** Flea larvae are found and develop in the soil of shaded areas that are accessible to pets or other animals. Use a higher spray volume treatment when applying to these areas to ensure penetration of the insecticide into the soil. **Note:** If the lawn area is being treated with this product at 0.1 fl. oz./1,000 sq. ft. for adult flea control, then the larval application use rate may be determined by increasing the treatment volume two- to four-fold.

[8]**Imported Fire Ants:** Control will be obtained by combining broadcast treatments that control foraging workers and newly mated fly-in queens with mound drenches that control existing colonies. If the soil is not moist, then it is important to irrigate prior to application or use a high spray volume for the application. Broadcast applications should made at 0.4 fl. oz./1,000 sq. ft. Mounds should be treated by diluting 0.05 fl. oz. of **Sharda Bifenthrin 17.15% LFC** per gallon of water and making application of 1 - 2 gals. of spray volume per mound.

The mounds should be treated with enough force to break the apex and allow the insecticide solution to flow into the ant tunnels. In addition, treat a four-foot diameter around the mound. Apply in cool weather (65 - 80°F) or in early morning or late evening hours.
[9]**Mole Cricket (Adults):** Achieving control of adult mole crickets is difficult because of continuous and high level of insect activity during early spring. Treatments should be made late in the day and should be followed by application of up to 0.5 inch of water immediately following treatment. If the soil is not moist, it is important to irrigate prior to treatment to influence movement of the mole crickets closer to the soil surface where contact with the insecticide will be optimum. Grass areas that receive pressure from adult mole crickets should be treated at peak egg hatch to ensure best control of subsequent nymph populations (see Mole Cricket nymph section below).
[10]**Mole Cricket (Nymphs):** Grass areas that received adult mole cricket pressure in the spring should be treated immediately before to peak egg hatch. Control is achieved during this time because young nymphs are more susceptible to insecticides and are typically located near the soil surface where the insecticide is most concentrated. To control larger, more damaging, nymphs later in the year may require both a higher labeled application use rate listed in the rate range in addition to more frequent treatments to maintain sufficient control. Treatments should be made late in the day and should be followed by application of up to 0.5 inch of water immediately following treatment. If the soil is not moist, it is important to irrigate prior to treatment to influence movement of the mole crickets closer to the soil surface where contact with the insecticide will be optimum.
[11]**Ticks (Includes species that vector Lyme Disease and Rocky Mountain Spotted Fever): DO NOT** apply spot treatments. The entire area should be treated where exposure to ticks might occur. Use higher spray volumes at the labeled rate when treating areas that have dense ground cover or heavy leaf litter. Ticks can be reintroduced from surrounding areas on host animals. Retreatment may be required to achieve and/or maintain control during periods of high pest pressure. Repeat application is needed only if there are signs of renewed activity. Repeat application no more than once treatment every seven days.

- **Deer Ticks (*Ixodes* sp.)** have a complex life cycle that ranges over a two-year period and involves four life stages. Treatments should be made in the late fall and/or early spring for the control of adult ticks that are typically found on brush or grass above the soil surface, and in mid to late spring to control larvae and nymphs that are found in the soil and leaf litter.
- **American Dog Ticks** are typically found along paths where human contact is likely. Treatments should be made as needed from mid-spring to early fall to control American dog tick larvae, nymphs, and adults.

RESTRICTIONS - SOD FARMS

- **DO NO**T apply more than 0.2 lb ai/A per application.
- [In New York State, this product may NOT be applied to any grass or turf area within 100 feet of a water body (lake, pond, river, stream, wetland, or drainage ditch).]
- [In New York State, apply a single repeat application of this product if there are signs of renewed insect activity, but not sooner than two weeks after the first application.]
- [New York State**:** Do not use this product on sod farms and golf courses in Nassau and Suffolk Counties.]

SOYBEANS

At-Plant Applications			
Pest	**Sharda Bifenthrin 17.15% LFC Rates**		
	Fl. Oz./Acre	**Fl. Oz./1,000 Linear Ft.**	**Lb. a.i./Acre**
Rootworm (Larvae)	6.8 - 8.5	0.39 - 0.49	0.08 - 0.1
Army Cutworm Armyworm spp. Bean Leaf Beetle (Larvae) Cutworm spp. Grape Colaspis Grubs Root Maggots Seed Corn Beetle Seed Corn Maggots True Armyworm Wireworm	3.4 - 6.8	0.2 - 0.39	0.04 - 0.08
Use Directions: Apply as a 5- to 7-inch band over-the-row on the soil surface, a 5- to 7-inch band over the open furrow (T-band), or in-furrow with the seed. Make a broadcast application over the soil surface for control of army cutworm, cutworm species, true armyworm, or armyworm species.			

Pre-Emergence & Post-Plant Incorporated Applications		
Pest	**Sharda Bifenthrin 17.15% LFC Rates**	
	Fl. Oz./Acre	**Lb. a.i./Acre**
Armyworm spp. Black Cutworm	**Pre-Emergence:** 3.4	**Pre-Emergence:** 0.04
Armyworm spp. Bean Leaf Beetle (Larvae) Black Cutworm Seed Corn Beetle Seed Corn Maggots Stalk Borer White Grubs Wireworm	**Post-Plant Incorporated:** 4.0 - 5.3	**Post-Plant Incorporated:** 0.047 - 0.062
Use Directions: • **Pre-Emergence - Sharda Bifenthrin 17.15% LFC** may be tank mixed with pre-emergence herbicides.		

- **Post-Plant Incorporated - Sharda Bifenthrin 17.15% LFC** may be tank mixed with post-plant incorporated herbicides. **DO NOT** incorporate **Sharda Bifenthrin 17.15% LFC** any deeper than the intended planting depth and no deeper than 3 inches. Incorporate to a depth close to the intended seed planting or transplant depth.

Foliar Applications		
Pest	**Sharda Bifenthrin 17.15% LFC Rates**	
	Fl. Oz./Acre	**Lb. a.i./Acre**
Alfalfa Caterpillar Aphids Armyworms Bean Leaf Beetle Blister Beetle spp. Corn Earworm Corn Rootworm (Adults) Cowpea Curculio Cucumber Beetle (Adults) Cutworms Dectes Stem Borer European Corn Borer False Cinch Bug Flea Beetle Grasshoppers Green Cloverworm Hornworms Imported Cabbageworm Japanese Beetle (Adults) Leaf Skeletonizer spp. Leafhoppers Leafminers (Adults) Lesser Cornstalk Borer Loopers Kudzu Bug Mexican Bean Beetle Painted Lady (Thistle) Caterpillar Pea Leaf Weevil Saltmarsh Caterpillar Seed Corn Maggots (Adults) Silver-Spotted Skipper Spittlebug Stink Bugs Three-Cornered Alfalfa Hopper Thrips Tobacco Budworm Velvetbean Caterpillar Webworm Woollybear Caterpillar	2.8 - 8.5	0.033 - 0.1
Lygus spp. Two-Spotted Spider Mite Whitefly	6.8 - 8.5	0.08 - 0.1

Use Directions:
Apply in a minimum of 10 gals./acre with ground equipment or 2 gals./acre by aircraft. Pyrethroid resistance is known to be common for beet armyworm and tobacco budworm. Consult the **RESISTANCE MANAGEMENT** section of this label and your local or State agricultural authority for additional information and to determine if resistant pest populations are in your area.

RESTRICTIONS - SOYBEANS

- **DO NOT** apply more than 0.3 lb. a.i./acre/year, including at-plant, pre-emergence, post-plant incorporated, and foliar treatment of **Sharda Bifenthrin 17.15% LFC** and other products that contain bifenthrin.
- **At-Plant:**
  - **DO NOT** apply more than 0.1 lb. a.i./acre/year as an at-plant application.
- **Foliar:**
  - **DO NOT** apply more than 3 foliar applications per year.
  - **DO NOT** apply treatments less than 30 days apart.
  - **DO NOT** apply within 18 days of harvest.

SPINACH

At-Plant Applications			
Pest	**Sharda Bifenthrin 17.15% LFC Rates**		
	Fl. Oz./Acre	**Fl. Oz./1,000 Linear Ft.**	**Lb. a.i./Acre**
Garden Symphylans Rootworm (Larvae)	6.8 - 8.5	0.39 - 0.49	0.08 - 0.1
Army Cutworm	3.4 - 6.8	0.2 - 0.39	0.04 - 0.08

Armyworm spp. Cutworm spp. Grubs Root Maggots Seed Corn Maggots True Armyworm Wireworm			

Use Directions:
Apply as a 5- to 7-inch band over-the-row on the soil surface, a 5- to 7-inch band over the open furrow (T-band), or in-furrow with the seed. Make a broadcast application to the soil surface for control of army cutworm, cutworm species, true armyworm, or armyworm species.

Post-Plant Incorporated Applications		
Pest	**Sharda Bifenthrin 17.15% LFC Rates**	
	Fl. Oz./Acre	**Lb. a.i./Acre**
Garden Symphylans Seed Corn Maggots Wireworms	**Post-Plant Incorporated:** 3.4 - 6.8	**Post-Plant Incorporated:** 0.04 - 0.08

Foliar Applications		
Pest	**Sharda Bifenthrin 17.15% LFC Rates**	
	Fl. Oz./Acre	**Lb. a.i./Acre**
Armyworms Colorado Potato Beetle Corn Earworm Cucumber Beetles Cutworms European Corn Borer Flea Beetles Leafminers Loopers Pepper Weevil Tomato Hornworm Tomato Pinworm Thrips Whitefly	2.8 - 8.5	0.033 - 0.1
Banks Grass Mite Broad Mite Carmine Mite Fire Ants Lygus spp. Pacific Spider Mite Two-Spotted Spider Mite	6.8 - 8.5	0.08 - 0.1

Use Directions:
For Whitefly Control: Make a foliar application of **Sharda Bifenthrin 17.15% LFC** by ground or air at rates of up to 0.1 lb. a.i./acre with a minimum 7-day retreatment interval, up to a maximum of 4 applications. **DO NOT** apply within 40 days of harvest.
For Fire Ant Control: Make a soil (at-planting) application of **Sharda Bifenthrin 17.15% LFC** or a foliar treatment by ground or air at rates of up to 0.1 lb. a.i./acre with a minimum 7-day retreatment interval, up to a maximum of 4 applications. Apply at the specified dosage in 5 - 50 gals. of spray volume/acre by air or 10 - 50 gals. spray volume/acre by ground.

RESTRICTIONS - SPINACH

- **DO NOT** apply more than 0.4 lb. a.i./acre/year, including at-plant, post-plant incorporated, and foliar treatments of **Sharda Bifenthrin 17.15% LFC** and other products that contain bifenthrin.
- **At-Plant:**
  - **DO NOT** apply more than 0.1 lb. a.i./acre/year as an at-plant application.
- **Foliar:**
  - **DO NOT** apply more than 4 foliar applications per year.
  - **DO NOT** apply treatments less than 7 days apart.
  - **DO NOT** apply within 40 days of harvest.

SUCCULENT BEANS & PEAS (Crop Subgroups 6A and 6B)
Bean (*Phaseolus* spp.) - Broadbean (Succulent), Lima Bean (Green), Runner Bean, Snap Bean, and Wax Bean
Bean (*Vigna* spp.) - Asparagus Bean, Blackeyed Pea, Chinese Long Bean, Cowpea, Moth Bean, Southern Pea, Yardlong Bean, Jackbean, Soybean (Immature Seed), and Sword Bean
Pea (*Pisum* spp.) - Dwarf Pea, Edible-Pod Pea, English Pea, Garden Pea, Green Pea, Snow Pea, Sugar Snap Pea, Pigeon Pea, Purple Hulled Pea

At-Plant Applications			
Pest	**Sharda Bifenthrin 17.15% LFC Rates**		
	Fl. Oz./Acre	**Fl. Oz./1,000 Linear Ft.**	**Lb. a.i./Acre**
Rootworm (Larvae)	6.8 - 8.5	0.39 - 0.49	0.08 - 0.1

Army Cutworm Armyworm spp. Cutworm spp. Grape Colaspis Grubs Root Maggots Seed Corn Maggots True Armyworm Wireworm	3.4 - 6.8	0.2 - 0.39	0.04 - 0.08

Use Directions:
Apply as a 5- to 7-inch band over-the-row on the soil surface, a 5- to 7-inch band over the open furrow (T-band), or in-furrow with the seed. Make a broadcast application over the soil surface for control of army cutworm, cutworm species, true armyworm, or armyworm species.

Pre-Emergence & Post-Plant Incorporated Applications

Pest	Sharda Bifenthrin 17.15% LFC Rates	
	Fl. Oz./Acre	**Lb. a.i./Acre**
Army Cutworm Armyworm spp. Cutworm spp. Grape Colaspis Grubs Root Maggots True Armyworm Wireworm (PPI Only)	**Pre-Emergence:** 6.8 - 8.5	**Pre-Emergence:** 0.08 - 0.1
	Post-Plant Incorporated: 6.8 - 8.5	**Post-Plant Incorporated:** 0.08 - 0.1

Use Directions:
- **Pre-Emergence - Sharda Bifenthrin 17.15% LFC** may be tank mixed with pre-emergence herbicides. Apply through drip or drip tape. Apply when soil is moist towards the end of the irrigation run.
- **Post-Plant Incorporated - Sharda Bifenthrin 17.15% LFC** may be tank mixed with post-plant incorporated herbicides. **DO NOT** incorporate **Sharda Bifenthrin 17.15% LFC** any deeper than the intended planting depth and no deeper than 3 inches. Incorporate to a depth close to the intended seed planting or transplant depth. Apply in a minimum of 10 gals./acre. Apply through drip or drip tape. Apply when soil is moist towards the end of the irrigation run.

Foliar Applications

Pest	Sharda Bifenthrin 17.15% LFC Rates	
	Fl. Oz./Acre	**Lb. a.i./Acre**
Aster Flea Beetle Leafhopper	2.1 - 8.5	0.025 - 0.1
Alfalfa Caterpillar Aphids Armyworm, Beet Armyworm, Fall Armyworm, Southern Armyworm, Yellowstriped Bean Leaf Beetle Cloverworm Corn Earworm Corn Rootworm (Adults) Cucumber Beetle Cutworms European Corn Borer Grasshoppers Japanese Beetle Loopers Pea Leaf Weevil Pea Weevil Plant Bugs Sap Beetle (Adults) Stink Bugs Tarnished Plant Bugs Thrips Webworms Western Bean Cutworm Whitefly	2.8 - 8.5	0.033 - 0.1
Banks Grass Mite Carmine Mite Lygus spp. Two-Spotted Spider Mite	6.8 - 8.5	0.08 - 0.1

Use Directions:

Apply in a minimum of 2 gals. spray volume/acre by air or in a minimum of 10 gals./acre with ground equipment. When applying by air, 1 - 2 quarts of emulsified oil may be substituted for 1 - 2 quarts of water in the finished spray. Thorough coverage is essential to achieve sufficient control. Apply when infestation reaches locally determined economic threshold.

RESTRICTIONS - SUCCULENT BEANS & PEAS (CROP SUBGROUPS 6A AND 6B)

- **DO NOT** apply more than 0.2 lb. a.i./acre/year, including at-plant, pre-emergence, post-plant incorporated, and foliar treatments of **Sharda Bifenthrin 17.15% LFC** and other products that bifenthrin.
- **At-Plant:**
  - **DO NOT** apply more than 0.1 lb. a.i./acre/year as an at-plant application.
- **Foliar:**
  - **DO NOT** apply more than 2 foliar applications per year.
  - **DO NOT** apply treatments less than 3 days apart.
  - **DO NOT** apply within 3 days of harvest.

SUNFLOWER (Crop Subgroup 20B)

Calendula, Castor Oil Plant, Chinese Tallowtree, Euphorbia, Evening Primrose, Jojoba, Niger Seed, Rose Hip, Safflower, Stokes Aster, Tallowwood, Tea Oil Plant, Vernonia, cultivars, varieties, and/or hybrids of these

At-Plant Applications			
Pest	**Sharda Bifenthrin 17.15% LFC Rates**		
	Fl. Oz./Acre	**Fl. Oz./1,000 Linear Ft.**	**Lb. a.i./Acre**
Army cutworm Cutworm spp. Grape colaspis Root aphids Seedcorn maggot White grub spp. Wireworm	3.4-17.0	0.2-0.98	0.04-0.2

Use Directions:
Apply as a 5- to 7-inch band (T-band) over an open furrow, or in-furrow with the seed. For Army cutworm or Cutworm species, apply as a 5- to 7-inch band over the row on the soil surface, a 5- to 7-inch band over the open furrow (T-band), in-furrow with the seed, or broadcast to the soil surface.

At-Plant Restrictions:
DO NOT apply more than 0.2 lb. a.i./A per year as an at-plant application.
DO NOT apply more than 1 application per year.

TOBACCO

Pre-Transplant & At-Transplant Applications			
Pest	**Sharda Bifenthrin 17.15% LFC Rates**		
	Fl. Oz./Acre	**Fl. Oz./1,000 Linear Ft.**	**Lb. a.i./Acre**
Armyworm spp. Cutworm spp. Flea Beetle (Larvae) Mole Cricket Stalk Borer White Grubs Wireworm	3.4 - 8.5	0.2 - 0.49	0.04 - 0.1

Use Directions:
Pre-Transplant Soil Applications: Incorporation into top 4 inches of the soil using suitable equipment is necessary to control pests below ground.
At-Transplant Water Treatment Applications: Apply of 0.0625 - 0.1 lb. a.i./acre in a water treatment application volume of 10 - 200 gals./acre.

Sharda Bifenthrin 17.15% LFC may be tank mixed with Command, Spartan, and other herbicides approved for use in tobacco.

Foliar Applications		
Pest	**Sharda Bifenthrin 17.15% LFC Rates**	
	Fl. Oz./Acre	**Lb. a.i./Acre**
Aphid spp.* Armyworm spp. Chinch Bugs Cutworm spp. Flea Beetle (Adults) Grasshoppers Green Bugs Japanese Beetles Stink Bugs Tarnished Plant Bugs	3.4 - 8.5	0.04 - 0.1

Thrips Whiteflies		
Hornworm Tobacco Budworm	6.8 - 8.5	0.08 - 0.1
Lygus spp. Spider Mites	8.5	0.1

*See the **RESISTANCE MANAGEMENT** section for additional information.

Use Directions:
Apply of 0.04 - 0.10 lb. a.i./acre per foliar treatment up to, and including, lay-by in a minimum of 10 gals./acre. **Sharda Bifenthrin 17.15% LFC** may be tank mixed with Command, Spartan, and other herbicides approved for use in tobacco.

RESTRICTIONS - TOBACCO

- **DO NOT** apply more than 0.2 lb. a.i./acre/year, including pre-transplant, at-transplant, and foliar treatments of **Sharda Bifenthrin 17.15% LFC** and other products that contain bifenthrin.
- **DO NOT** apply later than lay-by.
- **Foliar:**
  - **DO NOT** apply more than 2 foliar applications per year.

TOMATOES, TOMATILLOS, & GROUND CHERRIES

At-Plant Applications

Pest	Sharda Bifenthrin 17.15% LFC Rates		
	Fl. Oz./Acre	Fl. Oz./1,000 Linear Ft.	Lb. a.i./Acre
Army Cutworm Armyworm spp. Cutworm spp. Flea Beetle (Larvae) Grubs Root Maggots Stalk Borer True Armyworm Wireworm	3.4 - 6.8	0.2 - 0.39	0.04 - 0.08

Use Directions:
Apply as a 5- to 7-inch band over-the-row on the soil surface, a 5- to 7-inch band over the open furrow (T-band), or in-furrow with the transport or seed. Application may be made through transplant water at time of transplanting. Make a broadcast application to the soil surface for control of army cutworm, cutworm species, true armyworm, armyworm species, or stalk borer.

Pre-Emergence & Post-Plant Incorporated Applications

Pest	Sharda Bifenthrin 17.15% LFC Rates	
	Fl. Oz./Acre	Lb. a.i./Acre
Army Cutworm Armyworm spp. Cutworm spp. Flea Beetle (Larvae) Garden Symphylans Grubs True Armyworm Wireworm	**Pre-Emergence:** 6.8	**Pre-Emergence:** 0.08
	Post-Plant Incorporated: 3.4 - 6.8	**Post-Plant Incorporated:** 0.04 - 0.08

Use Directions:

- **Pre-Emergence - Sharda Bifenthrin 17.15% LFC** may be tank mixed with pre-emergence herbicides. Apply through drip or drip tape. Apply when soil is moist towards the end of the irrigation run.
- **Post-Plant Incorporated - Sharda Bifenthrin 17.15% LFC** may be tank mixed with post-plant incorporated herbicides. **DO NOT** incorporate **Sharda Bifenthrin 17.15% LFC** any deeper than the intended planting depth and no deeper than 3 inches. Incorporate to a depth close to the intended seed planting or transplant depth. Apply through drip or drip tape. Apply when soil is moist towards the end of the irrigation run.

Foliar Applications

Pest	Sharda Bifenthrin 17.15% LFC Rates	
	Fl. Oz./Acre	Lb. a.i./Acre

Aphids Armyworms (including Beet) Armyworm, Fall Armyworm, Southern Bean Leaf Beetle Cabbageworm Carmine Mite Cloverworm Corn Earworm Corn Rootworm Cucumber Beetles Cutworms Diamondback Moth European Corn Borer Flea Beetles Flea Hopper Grasshopper Japanese Beetle (Adults) Leafhoppers Loopers Lygus spp. Melonworm Pea Leaf Weevil Pea Weevil Pickleworm Plant Bugs Rindworm Saltmarsh Caterpillar Sap Beetle Seedpod Weevil Squash Bugs Stink Bug spp. Tarnished Plant Bugs Thrips Tobacco Budworm Whitefly Yellowstriped Armyworm	2.8 - 6.8	0.033 - 0.08
Two-Spotted Spider Mite	6.8 - 8.5	0.08 - 0.1

Use Directions:
Thorough coverage is essential to obtain sufficient control. Apply when infestation reaches locally determined economic levels. Apply in water. Apply at the specified dosage in 5 - 50 gals. of spray volume/acre by air or 10 - 50 gals. of spray volume/acre by ground.

RESTRICTIONS - TOMATOES, TOMATILLOS, & GROUND CHERRIES

- **DO NOT** apply more than 0.4 lb. a.i./acre/year; Including at-plant, pre-emergence, post-plant incorporated, and foliar applications of **Sharda Bifenthrin 17.15% LFC** and other bifenthrin containing products.
- **At-Plant:**
  - **DO NOT** apply more than 0.1 lb. a.i./acre/year as an at-plant application.
- **Foliar:**
  - **DO NOT** apply more than 4 foliar applications per year.
  - **DO NOT** apply less than 10 days apart.
  - **DO NOT** apply within 1 day of harvest.

TREE NUTS
African Nut-Tree; Almond; Beechnut; Brazil Nut; Brazilian Pine; Bunya; Bur Oak; Butternut; Cajou Nut; Candlenut; Cashew; Chestnut; Chinquapin; Coconut; Coquito Nut; Dika Nut; Ginkgo; Guiana Chestnut; Hazelnut (Filbert); Heartnut; Hickory Nut; Japanese Horse-Chestnut; Macadamia Nut; Mongongo Nut; Monkey-Pot; Monkey Puzzle Nut; Okari Nut; Pachira Nut; Peach Palm Nut; Pecan; Pequi; Pili Nut; Pine Nut; Pistachio; Sapucaia Nut; Tropical Almond; Walnut, Black; Walnut, English; Yellowhorn; Cultivars, Varieties, and/or Hybrids of these

Foliar Applications		
Pest	**Sharda Bifenthrin 17.15% LFC Rates**	
	Fl. Oz./Acre	**Lb. a.i./Acre**
Black Pecan Aphid Codling Moth Filbert Worm Hickory Shuckworm Leaffooted Bugs Navel Orangeworm Oblique-Banded Leafroller Peach Twig Borer	4.3 - 17.1	0.05 - 0.2

Pecan Leaf Casebearer Pecan Nut Casebearer Pecan Phylloxera Plant Bugs Stink Bugs Walnut Aphid Yellow Pecan Aphid		
European Red Mite Pecan Weevil Spider Mite spp.	6.8 - 17.1	0.08 - 0.2
Fire Ants Walnut Husk Fly	8.5 - 17.1	0.1 - 0.2

Use Directions:
Apply by ground or air equipment in sufficient water to obtain full coverage of foliage. Apply as a dilute (minimum of 200 gals. of spray volume/acre) or concentrate (minimum of 50 gals. of spray volume/acre) by ground or apply at the specified amount in a minimum of 10 gals. of spray volume/acre by air.

RESTRICTIONS - TREE NUTS

- **DO NOT** apply more than 0.5 lb. a.i./acre/year, including foliar applications of **Sharda Bifenthrin 17.15% LFC** and other products that contain bifenthrin.
- **Foliar:**
  - **DO NOT** apply more than 3 applications per year
  - **DO NOT** apply treatments less than 15 days apart.
  - **DO NOT** apply within 21 days of harvest for pecans and 7 days for all other registered tree nut crops.
  - **DO NOT** graze livestock in treated orchards or cut treated cover crops for feed.

TUBEROUS AND CORM VEGETABLES (Crop Subgroup 1C)
Potato, Sweet Potato, Arracacha, Arrowroot, Chinese Artichoke, Jerusalem Artichoke, Edible Canna, Cassava (Bitter and Sweet), Chayote (Root), Chufa, Dasheen (Taro), Ginger, Leren, Tanier, Tumeric, Yam Bean, and True Yam

At-Plant Applications

Pest	Sharda Bifenthrin 17.15% LFC Rates	
	Fl. Oz./Acre	**Lb. a.i./Acre**
Grape Colaspis Rootworms Sweet Potato Flea Beetle White Grubs Wireworms	12.75 - 25.5	0.15 - 0.3

Use Directions:
Sharda Bifenthrin 17.15% LFC application may be made as a soil incorporated broadcast, directed bed spray or a T-band spray into the planting furrow for the control of wireworms, sweet potato flea beetle, and white grubs. Apply **Sharda Bifenthrin 17.15% LFC** at the rate of 0.15 - 0.3 lb. a.i. (12.75 - 25.5 fl. oz. formulated)/acre in a minimum of 10 gals./acre of spray.

Lay-By Applications

Pest	Sharda Bifenthrin 17.15% LFC Rates	
	Fl. Oz./Acre	**Lb. a.i./Acre**
Grape Colaspis Rootworms White Grubs Wireworms	12.75 - 25.5	0.15 - 0.3

Use Directions:
Sharda Bifenthrin 17.15% LFC application may be made as one or more soil directed and incorporated treatments at cultivation or lay-by for the control of wireworms and white grubs. Apply **Sharda Bifenthrin 17.15% LFC** to the drill area and incorporate by cultivation equipment set to throw soil towards the drill area. Apply in a minimum of 10 gals./acre of spray.

Post-Plant Incorporated Applications

Pest	Sharda Bifenthrin 17.15% LFC Rates	
	Fl. Oz./Acre	**Lb. a.i./Acre**
Grape Colaspis Rootworms White Grubs Wireworms	12.75 - 25.5	0.15 - 0.3

Use Directions:
Apply of **Sharda Bifenthrin 17.15% LFC** to the transplant area and incorporate to planting depth. Apply **Sharda Bifenthrin 17.15% LFC** in a minimum of 10 gals./acre of spray. Application may be made as a broadcast treatment or an incorporated band treatment.

Foliar Applications

Pest	Sharda Bifenthrin 17.15% LFC Rates	
	Fl. Oz./Acre	**Lb. a.i./Acre**
Banded Cucumber Beetle Black Flea Beetle Corn Wireworm	2.8 - 8.5	0.033 - 0.1

Cucumber Beetle Japanese Beetle Grubs June Beetle Rootworms Southern Potato Wireworm Sugarcane Beetle Sweet Potato Flea Beetle Sweet Potato Weevil Tobacco Wireworm White Grubs White-Fringed Beetle		

Use Directions:
Apply in a minimum of 3 gals. spray volume/acre by air or in a minimum of 10 gals./acre with ground equipment. Application of **Sharda Bifenthrin 17.15% LFC** may be made as a foliar spray for the control of the adult life stages of flea beetles, click beetles (wireworms), cucumber beetles (rootworms), white-fringed beetles, and May/June beetles (white grubs).

RESTRICTIONS - TUBEROUS AND CORM VEGETABLES (CROP SUBGROUP 1C)

- **DO NOT** apply more than 0.5 lb. a.i./acre/year, including at-plant, lay-by, post-plant incorporated, and foliar applications of **Sharda Bifenthrin 17.15% LFC** and other products that contain bifenthrin.
- **At-Plant:**
  - **DO NOT** apply more than 0.3 lb. a.i./acre/year as an at-plant application.
- **Foliar:**
  - **DO NOT** apply more than 2 foliar applications per year
  - **DO NOT** apply treatment less than 21 days apart.
  - **DO NOT** apply within 21 days of harvest.
  - **DO NOT** apply more than 2 foliar treatments per year.

STORAGE AND DISPOSAL

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

Pesticide Storage: If storing this product below freezing, user should shake or roll the container to ensure proper product consistency. Keep out of reach of children and animals. Store in original containers only. Store in a cool, dry place and avoid excess heat. Carefully open containers. After partial use, replace lids and close tightly. **DO NOT** put concentrate or dilute material into food or drink containers.

Pesticide Disposal: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative of the nearest EPA Regional Office for guidance.

Container Handling:
[Nonrefillable Container (five gallons or less):] [Nonrefillable container. **DO NOT** reuse or refill this container. Offer for recycling, if available. 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 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 offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill or by incineration.]

[Nonrefillable Container (greater than five gallons):] [Nonrefillable container. **DO NOT** reuse or refill this container. Offer for recycling, if available. 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. Pressure rinse as follows: Empty the remaining contents into application equipment or mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank, or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. Then offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill or by incineration.]

[Refillable Container (greater than five gallons):] [Refillable container. Refill this container with pesticide only. **DO NOT** reuse this container for any other purpose. Triple rinsing the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. Triple rinse as follows: 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% full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. When this container is empty, replace the cap and seal all openings that have been opened during use; return the container to the point of purchase or to a designated location. This container must only be refilled with a pesticide product. Prior to refilling, inspect carefully for damage such as cracks, punctures, abrasions, worn-out threads, and closure devices. Check for leaks after refilling and before transport. **DO NOT** transport if this container is damaged or leaking. If the container is damaged, or leaking, or obsolete and not returned to the point of purchase or to a designated location, triple rinse emptied container and offer for recycling, if available, or dispose of container in compliance

with State and local regulations.]

In Case of Spill: avoid contact, isolate area, and keep out animals and unprotected persons. To confine spill: If liquid, dike surrounding area or absorb with sand, cat litter or commercial clay. If dry material, cover to prevent dispersal. Place damaged package in a holding container. Identify contents. Call CHEMTREC 1-800-424-9300.

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. 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.

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