

THIAMETHOXAM GROUP 4A INSECTICIDE

Seamer FS Insecticide

A Seed Treatment product for protection against damage from, or control of, listed insects on alfalfa, cereal grains (including barley, buckwheat, corn, pearl millet, proso millet, oats, popcorn, rice (dry-seeded), rye, sorghum, teosinte, triticale, wheat and wild rice), cotton, cucurbit vegetables, legume vegetables (including soybean), oilseed crops (black mustard seed, borage seed, crambe seed, field mustard seed, flax seed, Indian mustard seed, Indian rapeseed seed, rapeseed seed, and safflower seed), peanuts, potatoes, sugarbeets, and sunflower

ACTIVE INGREDIENT:	WT. BY %
Thiamethoxam (CAS No. 153719-23-4)	47.6%
OTHER INGREDIENTS:	52.4%
TOTAL:	100.0%

Flowable seed treatment containing 5 lbs. thiamethoxam per gallon.

KEEP OUT OF REACH OF CHILDREN CAUTION/PRECAUCIÓN

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.)

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

Manufactured For:

Sharda USA LLC 

7217 Lancaster Pike, Suite A
Hockessin, Delaware 19707

EPA Reg. No. 83529-355

EPA Est. No. **AG** 72159-GA-001; **CS** 70815-GA-001;

MA 83411-MN-001; **MC** 89332-GA-001; **SC** 39578-TX-001;

TX 07401-TX-001

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

Net Contents: 1 Gallon

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 do so by the poison control center or doctor. • DO NOT give anything by mouth to an unconscious person.
IF ON SKIN OR CLOTHING:	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 - 20 minutes. • Call a poison control center or doctor for treatment advice.
IF INHALED:	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferable by mouth-to-mouth, if possible. • Call a poison control center or doctor for treatment advice.
IF IN EYES:	• Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
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 .	

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION/PRECAUCIÓN

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

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of barrier laminate, butyl rubber $\geq$ 14 mils, nitrile rubber $\geq$ 14 mils, neoprene rubber $\geq$ 14 mils, polyvinyl chloride (PVC) $\geq$ 14 mils, or Viton[®] $\geq$ 14 mils
- Shoes plus socks

Multiple Task Workers (who perform multiple daily tasks/duties such as mixing, bagging/filling seed containers, product application, bag sewing, and/or cleanup) must wear:

- Chemical-resistant gloves made of barrier laminate, butyl rubber $\geq$ 14 mils, nitrile rubber $\geq$ 14 mils, neoprene rubber $\geq$ 14 mils, polyvinyl chloride (PVC) $\geq$ 14 mils, or Viton[®] $\geq$ 14 mils
- Chemical-resistant coveralls over long-sleeved shirt and long pants
- Shoes plus socks

USER SAFETY REQUIREMENTS

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washable exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

ENGINEERING CONTROLS STATEMENT

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.607 (d)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash thoroughly with soap and water after handling.
- 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. If pesticide gets on skin, wash immediately with soap and water.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This product is toxic to wildlife and highly toxic to aquatic invertebrates. Treated seeds exposed on soil surface may be hazardous to wildlife. Cover or collect treated seeds spilled during loading. Thiamethoxam is highly toxic to bees exposed to direct treatment, and effects may be possible as a result of exposure to translocated residues in blooming crops. **DO NOT** contaminate water when disposing of equipment wash water.

Ground Water Advisory:

Thiamethoxam has properties and characteristics associated with chemicals detected in ground water. This chemical may leach into the ground water if used in areas where soils are permeable, particularly where the water table is shallow.

Surface Water Advisory:

This product may impact surface water quality due to spray drift and runoff of rain water. This is especially true for poorly draining soils and soils with shallow groundwater. This product is classified as having high potential for reaching surface water via runoff for several months after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of thiamethoxam water from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall is forecast to occur within 48 hours.

DIRECTIONS FOR USE

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

This product is for use in commercial seed treatment facilities or as an end-use seed treatment on agricultural establishments at, or immediately before planting subject to the **Restrictions** listed below and as specified for each crop in the **Crop Specific Use Instructions** on this label.

Seamer FS Insecticide may be applied by closed or open system seed treatment application processes with the following limitations.

Use Restrictions

- **DO NOT** apply more than 215 gallons of **Seamer FS Insecticide** per 8-hour day for seed treatments utilizing a closed system.
- **DO NOT** apply more than 38 gallons of **Seamer FS Insecticide** per 8-hour day for seed treatments utilizing an open system.
- **DO NOT** apply more than 0.266 lb. of thiamethoxam containing products per acre per calendar year regardless of application method (seed treatment, foliar applications, soil applications, etc.). To protect the Preble's Meadow Jumping Mouse, sunflower seed treated with **Seamer FS Insecticide** may not be planted in Elbert or Weld Counties in Colorado. Treated sunflower seed must be planted at a minimum depth of one inch.
- Store away from food and feedstuffs.
- Treated seeds exposed on soil surface may be hazardous to wildlife. Cover or collect treated seeds spilled during loading.
- **DO NOT** allow children, pets, or livestock to have access to treated seed.
- Treated seed must be planted into the soil at a depth greater than 1 inch.
- Dispose of all excess treated seed. Leftover treated seed may be double sown around the headland or buried away from water sources in accordance with local requirements.
- **DO NOT** contaminate water bodies when disposing of planting equipment wash waters.

Rotational Crop Interval

In the event of crop failure or harvest of a crop grown from **Seamer FS Insecticide** treated seed, the field may be replanted immediately to alfalfa, Brassica (cole) leafy vegetables, cereal grains (including barley, buckwheat, corn, pearl millet, proso millet, oats, popcorn, rice (dry-seeded), rye, sorghum, teosinte, triticale, wheat and wild rice), canola, cotton, cucurbit vegetables, dry bulb onions, fruiting vegetables, leafy vegetables, legume vegetables, mint (peppermint and spearmint), oil seed crops (black mustard seed, borage seed, crambe seed, field mustard seed, flax seed, Indian mustard seed, Indian rapeseed seed, peanuts, rapeseed seed, and safflower seed), root vegetables, strawberry, sunflowers, tobacco, and tuberous and corn vegetables. For any other crop, the minimum plant back interval is 120 days from the date the **Seamer FS Insecticide** treated seed was planted. A cover crop other than the crops listed above that is planted for erosion control or soil improvement may be planted sooner than the 120 day interval; however, the crop may not be grazed or harvested for food or feed.

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**.

Exception: If the seed is treated with the product and the treated seed is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

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 such as 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

FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN CROP INJURY, POOR INSECT AND/OR DISEASE CONTROL, AND/OR ILLEGAL RESIDUES.

Treatment of highly mechanically scarred or damaged seed, or seed known to be of low vigor and poor quality, except for the purpose of curative control of existing disease pests, may result in reduced germination and/or reduction of seed and seedling vigor. Treat a small quantity of seed using equipment similar to that planned for treating the total seed lot. Conduct germination tests on a small portion of seed before committing the total seed lot to a selected seed treatment. Due to seed quality, crop or variety sensitivity, and seed storage conditions beyond the control of Sharda USA LLC, no claims are made to guarantee the germination of carry-over seed or propagating material for all crop seed.

USE INFORMATION

Seamer FS Insecticide is a systemic seed treatment insecticide belonging to the neonicotinoid class of chemistry. **Seamer FS Insecticide** controls certain chewing and sucking insects through contact and ingestion. The use of **Seamer FS Insecticide** is compatible with integrated pest management programs. The length of control of the listed insect pests will vary depending on the product use rate, insect pressure, soil and environmental conditions. When rate ranges are given, use the higher rate when insect pressure is expected to be high.

INSECT RESISTANCE MANAGEMENT

For resistance management, **Seamer FS Insecticide** contains thiamethoxam and is classified in the neonicotinoid chemical class as a Group 4A insecticide, nicotinic acetylcholine receptor (nAChR) competitive modulators which bind to the acetylcholine site on nAChRs, causing a range of symptoms from hyper-excitation to lethargy and paralysis.

Any insect population may contain individuals naturally resistant to **Seamer FS Insecticide** and other Group 4A insecticides. The resistant individuals may dominate the insect population if this group of insecticides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

To delay insecticide resistance, take the following steps:

- Rotate the use of **Seamer FS Insecticide** or other Group 4A insecticides within a growing season, or among growing seasons, with different groups that control the same pests.
- Use tank mixtures with insecticides from a different group that are equally effective on the target pest when such use is permitted. **DO NOT** rely on the same mixture repeatedly for the same pest population. Consider any known cross-resistance issues for the targeted pests between the individual components of a mixture.
- In addition, consider the following recommendations provided by the Insecticide Resistance Action Committee (IRAC):
 - Individual insecticides selected for use in mixtures should be highly effective and be applied at the rates at which they are individually registered for use against the target species.
 - Mixtures with components having the same IRAC mode of action classification are not recommended for insect resistance management.
 - When using mixtures, consider any known cross-resistance issues between the individual components for the targeted pest(s).
 - Mixtures become less effective if resistance is already developing to one or both active ingredients, but they may still provide pest management benefits.
 - The insect resistance management benefits of an insecticide mixture are greatest if the two components have similar periods of residual insecticidal activity. Mixtures of insecticides with unequal periods of residual insecticide activity may offer an insect resistance management benefit only for the period where both insecticides are active.

- Adopt an integrated pest management program for insecticide/acaricides use that includes scouting, uses historical information related to pesticide use, crop rotation, record keeping, and which considers cultural, biological and other chemical control practices.
- Monitor after application for unexpected target pest survival. If the level of survival suggests the presence of resistance, consult with your local university specialist or certified pest control advisor.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for the specific site and pest problems in your area.
- For further information or to report suspected resistance contact Sharda USA LLC at <https://shardausa.com/>.

MIXING PROCEDURES

Important: Thoroughly shake the container of **Seamer FS Insecticide** prior to use.

Apply **Seamer FS Insecticide** as a water-based slurry utilizing standard slurry seed treatment equipment which provides uniform seed coverage. Uneven or incomplete seed coverage may not give the desired level of insect or disease control. Thoroughly mix the specified amount of **Seamer FS Insecticide** into the required amount of water for the slurry treater and dilution rate to be used. The typical density of **Seamer FS Insecticide** is 10.5 pounds per gallon. Consult the manufacturer of the application equipment you plan to use for suitability for this application and for instructions on operation and calibration of the equipment.

- Use an EPA-approved dye or colorant that imparts an unnatural color to the seed as stated in 40 CFR 153.155 (c).
- Allow seed to dry before bagging.
- Store away from feed and foodstuffs.

Seamer FS Insecticide has been found to be compatible with some liquid inoculant products. **Seamer FS Insecticide** may be mixed or applied sequentially with approved liquid inoculants. Consult the maker of the liquid inoculants and a Sharda USA LLC representative for directions before applying **Seamer FS Insecticide** with inoculants.

SEED BAG LABEL REQUIREMENTS

The Federal Seed Act requires that bags containing treated seeds shall be labeled with the following statements:

- This seed has been treated with thiamethoxam insecticide.
- **DO NOT** use for feed, food or oil purposes.
- Excess treated seed may be used for ethanol production only if (1) by-products are not used for livestock feed and (2) no measurable residues of pesticide remain in ethanol by-products that are used for agronomic practice.
- User is responsible for ensuring, that the seed bag meets all requirements under the Federal Seed Act.

In addition, the U.S. Environmental Protection Agency requires the following statements on bags containing seeds treated with **Seamer FS Insecticide** (83529-GLL):

- **Ground Water Advisory:** This product has properties and characteristics associated with chemicals detected in ground water. This chemical may leach into the ground water if used in areas where soils are permeable, particularly where the water table is shallow.
- **Pollinator Precautions:** Thiamethoxam is highly toxic to bees exposed to direct treatment, and effects may be possible as a result of exposure to translocated residues in blooming crops or weeds. Ensure that planting equipment is functioning properly in accordance with manufacturer specifications to minimize seed coat abrasion during planting to reduce dust which can drift to blooming crops or weeds.
- Wear long-sleeved shirt, long pants and chemical-resistant gloves when handling treated seed.
- Dispose of seed packaging in accordance with local requirements.

Use Restrictions:

- Store away from food and feedstuffs.
- Treated seeds exposed on soil surface may be hazardous to wildlife. Cover or collect treated seeds spilled during loading.
- **DO NOT** allow children, pets, or livestock to have access to treated seed.
- Treated seed must be planted into the soil at a depth of 1 inch or greater.
- Dispose of all excess treated seed. Leftover treated seed may be double sown around the headland or buried away from water sources in accordance with local requirements.
- **DO NOT** contaminate water bodies when disposing of planting equipment washwaters.
- **DO NOT** use at a rate that will result in more than 0.266 lb. thiamethoxam per acre (120.66 grams a.i./A) per calendar year.
- With the exception of cotton and soybeans, **DO NOT** make any soil or foliar application of products containing thiamethoxam to crops grown from seed treated with **Seamer FS Insecticide** (83529-GLL).
- For cotton and soybeans, **DO NOT** apply a neonicotinoid insecticide within 45 days of planting seed treated with **Seamer FS Insecticide**.
- For alfalfa: **DO NOT** use at a rate that will result in more than 0.022 lb. thiamethoxam per acre (10.0 grams a.i./A) per season. This seed has been treated with thiamethoxam at x mg. a.i./seed.
- For barley: **DO NOT** use at a rate that will result in more than 0.052 lb. thiamethoxam per acre (23.6 grams a.i./A) per season. This seed has been treated with thiamethoxam at x mg. a.i./seed.
- For buckwheat, pearl millet, proso millet, oats, rye, teosinte, triticale, and wild rice: **DO NOT** use at a rate that will result in more than 0.04 lb. thiamethoxam per acre (18.4 grams a.i./A) per season. This seed has been treated with thiamethoxam at x mg. a.i./seed.
- For corn: **DO NOT** use at a rate that will result in more than 0.165 lb. thiamethoxam per acre (74.8 grams a.i./A) per season. This seed has been treated with thiamethoxam at x mg. a.i./seed.
- For cotton: **DO NOT** use at a rate that will result in more than 0.075 lb. thiamethoxam per acre (34.0 grams a.i./A) as a seed treatment application. This seed has been treated with thiamethoxam at x mg. a.i./seed.
- For cucurbit vegetables (based on pickling cucumbers seeding rate): **DO NOT** use at a rate that will result in more than 0.164 lb. thiamethoxam per acre (74.4 grams a.i./A) per season. This seed has been treated with thiamethoxam at x mg. a.i./seed.
- For legume vegetables (other than soybeans): **DO NOT** use at a rate that will result in more than 0.075 lb. thiamethoxam per acre (34.0 grams a.i./A) per season. This seed has been treated with thiamethoxam at x mg. a.i./seed.
- For oil seed crops (based on safflower seeding rate): **DO NOT** use at a rate that will result in more than 0.14 lb. thiamethoxam per acre (63.5 grams a.i./A) per season. This seed has been treated with thiamethoxam at x mg. a.i./seed.
- For peanuts: **DO NOT** use at a rate that will result in more than 0.08 lb. thiamethoxam per acre (35.0 grams a.i./A) per season. This seed has been treated with thiamethoxam at x mg. a.i./seed.
- For potatoes: **DO NOT** use at a rate that will result in more than 0.125 lb. thiamethoxam per acre (56.7 grams a.i./A) per season. This seed has been treated with thiamethoxam at x mg. a.i./seed.
- For rice (dry seeded): **DO NOT** use at a rate that will result in more than 0.17 lb. thiamethoxam per acre (75.6 grams a.i./A) per season. This seed has been treated with thiamethoxam at x mg. a.i./seed. Not for use in water seeded rice production. **DO NOT** plant or sow **Seamer FS Insecticide** treated rice seed by aerial application equipment. **DO NOT** use treated fields for the aquaculture of edible fish and crustacean.
- For sorghum: **DO NOT** use at a rate that will result in more than 0.03 lb. thiamethoxam per acre (13.5 grams a.i./A) per season. This seed has been treated with thiamethoxam at x mg. a.i./seed.
- For soybeans: **DO NOT** use at a rate that will result in more than 0.083 lb. thiamethoxam per acre (37.8 grams a.i./A) as a seed treatment application. This seed has been treated with thiamethoxam at x mg. a.i./seed.

- For sugarbeets: **DO NOT** use at a rate that will result in more than 0.206 lb. thiamethoxam per acre (93.4 grams a.i./A) per season. This seed has been treated with thiamethoxam at x mg. a.i./seed.
- For sunflower: **DO NOT** use at a rate that will result in more than 0.14 lb. thiamethoxam per acre (63.5 grams a.i./A) per season. This seed has been treated with thiamethoxam at x mg. a.i./seed.
- For wheat: **DO NOT** use at a rate that will result in more than 0.08 lb. thiamethoxam per acre (36.3 grams a.i./A) per season. This seed has been treated with thiamethoxam at x mg. a.i./seed.

The maximum application rate for thiamethoxam (including seed treatments, foliar applications, soil applications) is 0.266 lb. a.i. per acre per calendar year.

DO NOT apply more than 0.266 lb. thiamethoxam a.i. per acre per calendar year.

Sunflower Seed Bags Only: To protect the Preble's Meadow Jumping Mouse, sunflower seed treated with **Seamer FS Insecticide** may not be planted in Elbert or Weld Counties in Colorado. Treated sunflower seed must be planted at a minimum depth of one inch.

Rotational Crop Interval

In the event of crop failure or harvest of a crop grown from **Seamer FS Insecticide** treated seed, the field may be replanted immediately to alfalfa, Brassica (cole) leafy vegetables, cereal grains (including barley, buckwheat, corn, pearl millet, proso millet, oats, popcorn, rice (dry-seeded), rye, sorghum, teosinte, triticale, wheat and wild rice), canola, cotton, cucurbit vegetables, dry bulb onions, fruiting vegetables, leafy vegetables, legume vegetables, mint (peppermint and spearmint), oil seed crops (black mustard seed, borage seed, crambe seed, field mustard seed, flax seed, Indian mustard seed, Indian rapeseed seed, peanuts, rapeseed seed, and safflower seed), root vegetables, strawberry, sunflowers, tobacco, and tuberous and corn vegetables. For any other crop, the minimum plant back interval is 120 days from the date the **Seamer FS Insecticide** treated seed was planted. A cover crop other than the crops listed above that is planted for erosion control or soil improvement may be planted sooner than the 120 day interval; however, the crop may not be grazed or harvested for food or feed.

SEED TREATMENT INSTRUCTIONS

NOTE: Each fluid ounce of **Seamer FS Insecticide** contains 17.7 grams of thiamethoxam.

ALFALFA

EARLY-SEASON PEST PROTECTION	USE RATE
Aphids Leaf hoppers	1.18 fl. oz./100 lbs. of seed* (0.001 mg a.i./seed) *Based on an average of 210,000 alfalfa seeds per pound.
Protects seedlings from damage for the first cut crop only. Thiamethoxam is highly toxic to bees, and effects are possible as a result of exposure to translocated residues in blooming crops. To mitigate this potential exposure, the first cutting of alfalfa should occur before bloom. It is highly recommended to use Seamer FS Insecticide with compatible and registered seed treatment fungicides proven to provide seed and seedlings against diseases. These fungicides must show safety on treated seed, alone or in combination with Seamer FS Insecticide. RESTRICTIONS: • DO NOT use a Seamer FS Insecticide rate that will result in more than 0.022 lb. thiamethoxam per acre (10 grams a.i./A) per season. • Apply Seamer FS Insecticide to alfalfa seed in commercial seed treatment facilities only. • DO NOT use in hopper box, slurry box, or other farmer-applied applications.	

CEREALS GRAINS

(Barley, Buckwheat, Corn, Pearl Millet, Proso millets, Oats, Popcorn, Rice (Dry-seeded), Rye, Sorghum, Teosinte, Triticale, Wheat, and Wild Rice)

CROP	EARLY-SEASON PEST PROTECTION	USE RATE (fl. oz./100 lbs. of seed)
Barley	Bird cherry-oat aphids* English grain aphid* Greenbug Hessian fly Russian wheat aphid*	0.75 - 1.33 (0.017 - 0.029 mg a.i./seed)
	Wireworm	0.19 - 0.50 (0.004 - 0.011 mg a.i./seed)
	Damage Reduction: Grasshopper	1.33 (0.029 mg a.i./seed)
	STORED GRAIN PESTS	USE RATE (fl. oz./100 lbs. of seed)
	European corn borer Indian moth Lesser grain borer Red flour beetle Rice weevil Rusty grain beetle Saw-toothed grain beetle Stored grain pests	0.025 - 1.33 (0.0006 - 0.029 mg a.i./seed)
*Reduces potential spread of barley yellow dwarf virus due to aphid vectors. RESTRICTIONS: • DO NOT use a Seamer FS Insecticide rate that will result in more than 0.052 lb. thiamethoxam per acre (23.6 grams a.i./A) per season.		

(continued)

CEREALS GRAINS (continued)
**(Barley, Buckwheat, Corn, Pearl Millet, Proso millets, Oats, Popcorn, Rice (Dry-seeded),
 Rye, Sorghum, Teosinte, Triticale, Wheat, and Wild Rice)**

CROP	EARLY-SEASON PEST PROTECTION	USE RATE (fl. oz./100 lbs. of seed)
Buckwheat Pearl Millet Proso Millet Oats Rye Teosinte Triticale Wild Rice	Bird cherry-oat aphids* English grain aphid* Greenbug Hessian fly Russian wheat aphid*	0.75 - 1.33 (0.0087 - 0.016 mg a.i./buckwheat seed 0.027 - 0.047 mg a.i./pearl or proso millet seed 0.14 - 0.248 mg a.i./oat seed 0.266 - 0.471 mg a.i./rye, teosinte, triticale seed 0.012 - 0.021 mg a.i. wild rice seed)
	Wireworm	0.19 to 0.50 (0.0022 - 0.0058 mg a.i./buckwheat seed 0.007 - 0.018 mg a.i./pearl or proso millet seed 0.035 - 0.093 mg a.i./oat seed 0.067 - 0.177 mg a.i./rye, teosinte, triticale seed 0.003 - 0.008 mg a.i. wild rice seed)
	Damage Reduction: Grasshopper	1.33 (0.016 mg a.i./buckwheat seed 0.047 mg a.i./pearl or proso millet seed 0.248 mg a.i./oat seed 0.471 mg a.i./rye, teosinte, triticale seed 0.021 mg a.i. wild rice seed)
*Reduces potential spread of barley yellow dwarf virus due to aphid vectors. RESTRICTIONS: • DO NOT use a Seamer FS Insecticide rate that will result in more than 0.04 lb. thiamethoxam per acre (18.4 grams a.i./A) per season.		

CORN – Field, Pop, Seed, and Sweet Corn

EARLY-SEASON PEST PROTECTION		USE RATE
Black cutworm Chinch bug Corn flea beetle Corn leaf aphid Grape colaspis Seedcorn beetle Seedcorn maggot Southern corn leaf beetle Southern green stinkbug	Sugarcane beetle Thrips White grub (including Japanese beetle larvae, European chafer larvae, true white grub, annual white grub, May/June beetle larvae) Wireworm	1.70 - 14.46 fl. oz./100 lbs. kernels (0.125 - 0.80 mg a.i./kernel)
Billbug Corn rootworm (including Mexican, Northern, Southern, and Western)		16.95 - 22.60 fl. oz./100 lbs. kernels (1.25 mg a.i./kernel)
For existing infestations of stored grain pests, fumigate the seed with a registered product approved for such use, prior to treating with Seamer FS Insecticide and bagging. When treated according to the following directions for post-planting protection against listed pests, Seamer FS Insecticide will also provide protection during post treatment storage of the seed against damage from: - Indian Meal Moth (<i>Plodia interpunctella</i>) - Lesser Grain Borer (<i>Rhyzopertha dominica</i>) - Red Flour Beetle (<i>Tribolium castaneum</i>) - Rice Weevil (<i>Sitophilus oryza</i>) Consult your Sharda USA LLC representative for specifics on slurry additives to use during application of Seamer FS Insecticide. Follow planter manufacturer instructions for use of talc, graphite, or other hopper box additives at planting. It is highly recommended to use registered seed treatment fungicides such as Apron XL®, Dynasty® and Maxim® XL as the broad spectrum seed treatment fungicide with Seamer FS Insecticide applications on corn.		
RESTRICTIONS: • DO NOT use a Seamer FS Insecticide rate that will result in more than 0.21 lb. thiamethoxam per acre (93.75 grams a.i./A) based on a maximum seeding rate for sweet corn of 75,000 seeds/acre. • DO NOT apply more than 215 gallons per 8-hour day for seed treatments utilizing a closed system. • DO NOT apply more than 38 gallons of Seamer FS Insecticide per 8-hour day for seed treatments utilizing an open system. If it is necessary to apply more than 38 gallons of Seamer FS Insecticide per 8-hour day, a closed system must be used. • Seed treatments to corn must be applied by closed system seed treatment application processes in a commercial seed treatment facility.		

RICE – Dry-seeded Use Only

EARLY-SEASON PEST PROTECTION		USE RATE
Chinch bugs Grape colaspis	Rice water weevil Thrips	2.71 fl. oz./100 lbs. of seed (0.03 mg a.i./seed)
Seamer FS Insecticide is not labeled for use in water seeded rice production. RESTRICTIONS: • DO NOT plant or sow Seamer FS Insecticide treated rice seed by aerial application equipment. • DO NOT use treated fields for the aquaculture of edible fish and crustacean. • Not to exceed 120 lbs. seed/Acre Seeding Rate.		

SORGHUM

EARLY-SEASON PEST PROTECTION		USE RATE
Chinch bugs Corn leaf aphid Fire ants Greenbug	Seed corn maggot Stored grain insects Wireworm Yellow sugarcane aphid	5.1 - 7.6 fl. oz./100 lbs. of seed* (0.062 - 0.093 mg a.i./seed) *Based on an average of 14,500 sorghum seeds per pound.
Follow planter manufacturer instructions for use of talc or other hopper box additives at planting. RESTRICTIONS: • DO NOT use a Seamer FS Insecticide rate that will result in more than 0.03 lb. thiamethoxam per acre (13.5 grams a.i./A) per season. • A closed system must be used for commercial treatment of sorghum seed.		

WHEAT

EARLY-SEASON PEST PROTECTION		USE RATE (fl. oz./100 lbs. of seed)
Bird cherry-oat aphids* English grain aphid* Greenbug	Hessian fly Russian wheat aphid*	0.75 - 1.33 (0.017 - 0.03 mg a.i./seed)
Wireworm		0.19 - 0.50 (0.004 - 0.011 mg a.i./seed)
Damage Reduction: Grasshopper		1.33 (0.03 mg a.i./seed)
STORED GRAIN PESTS		USE RATE (fl. oz./100 lbs. of seed)
European corn borer Indian moth Lesser grain borer Red flour beetle	Rice weevil Rusty grain beetle Saw-toothed grain beetle Stored grain pests	0.025 - 1.33 (0.0006 - 0.03 mg a.i./seed)
*Reduces potential spread of barley yellow dwarf virus due to aphid vectors.		
RESTRICTIONS:		
• DO NOT use a Seamer FS Insecticide rate that will result in more than 0.08 lb. thiamethoxam per acre (36.3 grams a.i./A) per season.		

COTTON – Delinted Only

EARLY-SEASON PEST PROTECTION		USE RATE
Cotton aphid Tobacco thrips Western flower thrips Wireworm	Suppression: Cotton fleahopper Plant bugs	8.5 - 10.6 fl. oz./100 lbs. of seed (0.300 - 0.375 mg a.i./seed)
Plant Seamer FS Insecticide -treated cotton seed based on specified planting dates and soil temperatures made by your state agricultural extension agent. In areas that have a history of high thrips pressure or when cotton is grown in North Carolina or Virginia, use Seamer FS Insecticide seed treatment followed by a foliar insecticide spray when cotton is between the 1 st and 3 rd leaf stage.		
RESTRICTIONS:		
• DO NOT apply a neonicotinoid insecticide within 45 days of planting seed treated with Seamer FS Insecticide. • DO NOT use a Seamer FS Insecticide rate that will result in more than 0.075 lb. thiamethoxam per acre (34.0 grams a.i./A) per season.		

CUCURBIT VEGETABLE GROUP

CROP		EARLY-SEASON PEST PROTECTION	USE RATE
Chayote	Pumpkin	Aphids	5.65 - 106.78 fl. oz./100 lbs. of seed* 0.25 - 0.75 mg a.i./seed *Based on an average range of 4,000 to 27,000 cucurbit seeds per pound.
Chinese Waxgourd	Summer Squash (includes crookneck squash, scallop squash, straightneck squash, vegetable marrow, and zucchini)	Cucumber beetle	
Citron Melon	Winter squash (includes butternut squash, calabaza, hubbard squash, acorn squash and spaghetti squash)	Flea beetle	
Cucumber	Watermelon	Leafminers	
Gherkin		Seedcorn maggots	
Edible Gourd (includes hyotan, cucuzza, Chinese Okra, and hechima)		White fly	
<i>Momordica</i> spp. (includes balsam apple, balsam pear, bitter melon, Chinese cucumber)		Wireworms	
Muskmelon (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)			
RESTRICTIONS:			
• DO NOT use a Seamer FS Insecticide rate that will result in more than 0.164 lb. thiamethoxam per acre (74.4 grams a.i./A) per season.			

LEGUME VEGETABLE GROUP

CROP		EARLY-SEASON PEST PROTECTION	USE RATE
Bean (<i>Lupinus</i> species) -includes grain, sweet, white, white sweet lupin Bean (<i>Phaseolus</i> species) -includes field bean, kidney bean, lima bean, navy bean, runner bean, snap bean, tepary bean, wax bean Bean (<i>Vigna</i> species) -includes adzuki bean, asparagus bean, blackeyed pea, catjang, Chinese longbean, cowpea, Crowder pea, moth bean, mung bean, rice bean, southern pea, urd bean, yardlong bean	Broad bean (fava bean) Chickpea (garbanzo bean) Guar Jackbean Lablab bean (hyacinth bean) Lentil Pea (<i>Pisum</i> species) -includes dwarf pea, edible-pod pea, English pea, field pea, garden pea, green pea, snow pea, sugar snap pea Pigeon pea, Sword bean	Aphids Bean leaf beetle Leafhoppers Leaf miner Mexican bean beetle Pea leaf weevil Plant leaf hopper Seed corn maggot Thrips White grub Wireworm	1.28 fl. oz./100 lbs. of seed (0.142 mg a.i./bush, lima, poel bean seed 0.024 mg a.i./lentil seed 0.283 mg a.i./kidney bean seed)
It is highly recommended to use Seamer FS Insecticide with compatible and registered seed treatment fungicides proven to control seed and seedling diseases. These fungicides must show safety on treated seed, alone and in combination with Seamer FS Insecticide. RESTRICTIONS: • DO NOT use a Seamer FS Insecticide rate that will result in more than 0.075 lb. thiamethoxam per acre (34.0 grams a.i./A).			

SOYBEANS – including Vegetable Soybeans

EARLY-SEASON PEST PROTECTION		USE RATE
Aphids Bean leaf beetle Grape colaspis Leafhoppers Seedcorn maggot	Threecornered alfalfa hopper Thrips White grubs Wireworm	1.28 fl. oz./100 lbs. of seed (0.0756 - 0.1512 mg a.i./seed)
It is highly recommended to use Seamer FS Insecticide with compatible and registered seed treatment fungicides proven to control seed and seedling diseases. These fungicides must show safety on treated seed, alone and in combination with Seamer FS Insecticide .		
RESTRICTION		
• DO NOT apply a neonicotinoid insecticide within 45 days of planting seed treated with Seamer FS Insecticide. • DO NOT use a Seamer FS Insecticide rate that will result in more than 0.083 lb. thiamethoxam per acre (37.8 grams a.i./A).		

OIL SEED CROPS

CROP		EARLY-SEASON PEST PROTECTION	USE RATE
Black mustard seed Borage seed Crambe seed Field mustard seed Flax seed	Indian mustard seed Indian rapeseed seed Rapeseed seed Safflower seed	Crucifer flea beetles Wireworms	10.24 fl. oz./100 lbs. of seed (0.0076 mg a.i./mustard seed 0.3021 mg a.i./borage seed 0.0263 mg a.i./crambe seed 0.0186 mg a.i./flax seed 0.0115 mg a.i./rapeseed 0.1208 mg a.i./safflower seed)
It is highly recommended to use Seamer FS Insecticide with compatible and registered seed treatment fungicides proven to control seed and seedling diseases. These fungicides must show safety on treated seed, alone and in combination with Seamer FS Insecticide .			
RESTRICTIONS:			
• DO NOT use a Seamer FS Insecticide rate that will result in more than 0.075 lb. thiamethoxam per acre (34.0 grams a.i./A).			

PEANUTS

EARLY-SEASON PEST PROTECTION	USE RATE
Aphids Thrips White grubs Wireworm Suppression: Plant bugs Threecornered alfalfa hopper	0.66 - 095 fl. oz./100 lbs. of seed (0.20 to 0.29 mg a.i./seed)
It is highly recommended to use Seamer FS Insecticide with compatible and registered seed treatment fungicides proven to control seed and seedling diseases. These fungicides must show safety on treated seed, alone and in combination with Seamer FS Insecticide. Plant Seamer FS Insecticide-treated peanuts based on specified planting dates and soil temperatures made by your state agricultural extension agent. RESTRICTIONS: • DO NOT use a Seamer FS Insecticide rate that will result in more than 0.08 lb. thiamethoxam per acre (35.0 grams a.i./A) per season, based on a maximum seeding rate of 120,700 seeds/acre. • DO NOT use in hopper box, planter box, slurry box, or other farmer-applied applications. • Apply Seamer FS Insecticide in commercial seed treatment facilities only.	

POTATOES

[This Product is Not Registered For Use on Potatoes in Nassau and Suffolk Counties, New York.]

Seamer FS Insecticide potato seed treatment is to be used as an integral part of a potato pest management strategy. This strategy includes the use of certified seed, proper crop rotation, insect population thresholds, appropriate control measures, optimal harvest time for tubers and proper handling of tubers without bruising. Consult your local agricultural extension agent for more detailed information on insect management practices.

Application Procedure

Apply **Seamer FS Insecticide** using only Sharda USA LLC approved equipment that is designed to apply liquid seed treatment products to potatoes. Follow the equipment instructions for set-up and calibration. **Seamer FS Insecticide** may require dilution prior to atomization and application to potatoes (see equipment use instructions). Ensure that spray nozzles are properly hooded and shielded to prevent any spray from moving off target. Apply **Seamer FS Insecticide** only in well-ventilated areas. Sharda USA LLC will not warranty the field performance of **Seamer FS Insecticide** if the application is made through non-Sharda USA LLC approved equipment. The mixture is applied as a fine spray over the cut or whole seed tubers. The quantity of water and **Seamer FS Insecticide** volume is adjusted based on the amount of seed moved under the hood. It is mandatory that the equipment be calibrated to deliver a maximum of 4 fluid ounces of the mixture per 100 pounds of seed consistently. Applying excess moisture may predispose the seed to rotting, resulting in poor emergence and stand. Generally, liquid based fungicides (such as Maxim 4FS), can be applied with **Seamer FS Insecticide**; however, check compatibility of the fungicides with **Seamer FS Insecticide** before use. If inert dust (fir bark, talc, etc.) or a dust-based fungicide is used, apply the **Seamer FS Insecticide** seed treatment before applying the dust. It is highly recommended to use **Seamer FS Insecticide** with compatible and registered seed treatment fungicides proven to control seed and seedling diseases. These fungicides must show safety on treated seed.

Use **Seamer FS Insecticide** seed treatment to provide protection against injury from Colorado potato beetles, flea beetles, green peach aphids, leafhoppers, leafminers, potato aphids, psyllids, and whiteflies. **Seamer FS Insecticide** will also control wireworms that feed on the seed piece.

The expected length of protection is dependent upon the rate used, soil and environmental conditions and insect pressure. Select the appropriate **Seamer FS Insecticide** rate based upon the history of pest pressure in the region and the length of the growing season. In general, use the high rate of **Seamer FS Insecticide** in the following table for areas where high insect pressure is expected. Consult your Sharda USA LLC representative for information specific to your area or region.

Choose the appropriate **Seamer FS Insecticide** rate from the following chart, based upon your seeding rate:

Potato Seeding Rate: 100 lbs. per Acre	Fl. Oz. of Seamer FS Insecticide/100 lbs. of Potato Seed Tubers
16 - 19	0.11 - 0.16
20 - 21	0.11 - 0.15
22 - 24	0.11 - 0.13
25 - 26	0.11 - 0.12
27 - 29	0.11

RESTRICTIONS (for Potatoes):

For seeding rates not covered by the above table, **DO NOT** use a **Seamer FS Insecticide** rate that will result in more than 0.125 pound thiamethoxam per acre.

Treated Seed Storage

If the treated seed needs to be stored or held for a few days, make sure that there is adequate cool air (60°F) movement through the pile of cut seed potatoes at relative humidity of 85 - 90%. **DO NOT** pile cut and treated seeds above 6 feet in height. Best results are obtained if potatoes are planted immediately after **Seamer FS Insecticide** seed treatment. When transporting cut and **Seamer FS Insecticide** treated seed, make sure the seed is covered.

SUGARBEETS

EARLY-SEASON PEST PROTECTION		USE RATE
Beet leaf hopper*	Sugarbeet root maggot	3.39 to 3.95 fl. oz. (60 to 70 grams a.i. per 100,000 seeds)
Leaf miners	White grubs	
Root aphids	Wireworms	
Spring tails		
*Protects sugarbeets from beet leaf hoppers which may spread curly top virus.		
Thorough seed coverage will offer the best protection of the seed from insect damage.		
For protection against <i>Pythium</i> damping-off or <i>Rhizoctonia</i> species seed and seedling diseases in sugarbeets, Seamer FS Insecticide may be applied with fungicide seed treatments approved for use on sugarbeets.		
Seamer FS Insecticide may be applied in conjunction with polymers, pelleting materials and seed coating materials that are approved as food-use inert ingredients by EPA and listed in 40 CFR 180.910-960. These materials must show safety on treated seed. The end product that combines Seamer FS Insecticide with labeled fungicides must be tested for seed safety without any detrimental effects on seed germination or plant stand establishment. Pre-test the germination of a small sample of seed lot with Seamer FS Insecticide prior to large scale commercial application.		
RESTRICTIONS:		
• DO NOT use a Seamer FS Insecticide rate that will result in more than 0.206 lb. thiamethoxam per acre (93.4 grams a.i./A) per season.		

SUNFLOWER

EARLY-SEASON PEST PROTECTION		USE RATE
Flea beetle	Sunflower beetle	9.04 fl. oz./100 lbs. of seed 0.25 mg a.i./seed
Stored grain insects	Wireworm	

It is highly recommended to use **Seamer FS Insecticide** with compatible and registered broad spectrum seed treatment fungicides which are proven to control seed and seedling diseases.

Follow planter manufacturer instructions for use of talc or other hopper box additives at planting.

RESTRICTIONS:

- **DO NOT** use a **Seamer FS Insecticide** rate that will result in more than 0.14 lb. thiamethoxam per acre (63.5 grams a.i./A) per season.
- To protect the Preble's Meadow Jumping Mouse, sunflower seed treated with **Seamer FS Insecticide** may not be planted in Elbert or Weld Counties in Colorado. Treated sunflower seed must be planted at a minimum depth of one inch.

STORAGE AND DISPOSAL

DO NOT contaminate water, food, or feed by storage or disposal. **DO NOT** pour or dispose down the drain or sewer. Call your local solid waste agency for local disposal options.

PESTICIDE STORAGE: Keep this product in its tightly closed original container. **DO NOT** store in areas where temperatures are below 32 degrees F. Store in a cool, dry (preferably locked) area away from other pesticides, fertilizer, food, or feed that is inaccessible to children and animals.

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

CONTAINER HANDLING:

Co-extruded plastic container or COEX Rigid Plastic Less Than or Equal to 5 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 and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling, if available, or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill or by other procedures allowed by state and local authorities.

Co-extruded plastic container or COEX Rigid Plastic Greater Than 5 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 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling, if available, or reconditioning if appropriate, or puncture and dispose of empty container in a sanitary landfill or by other procedures allowed by state and local authorities.

Co-extruded plastic container or COEX Rigid Plastic Bulk and Mini-Bulk Containers: Refillable container. Refill this container with pesticide only. **DO NOT** use this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the person refilling. To clean 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. Then offer for recycling, if available, or puncture and dispose of in a sanitary landfill, or by other procedures allowed by State and local authorities.

CONTAINER IS NOT SAFE FOR FOOD, FEED, OR DRINKING WATER!

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

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

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather, presence of other materials or other influencing factors in the use of the product, which are beyond the control of Sharda USA LLC or Seller. To the extent consistent with applicable law, all such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Sharda USA LLC and Seller harmless for any claims relating to such factors.

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

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

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

All trademarks are the property of their respective owners.

NOTES

NOTES

83529-344-20241220.v1

Seamer FS Insecticide

A Seed Treatment product for protection against damage from, or control of, listed insects on alfalfa, cereal grains (including barley, buckwheat, corn, pearl millet, proso millet, oats, popcorn, rice (dry-seeded), rye, sorghum, teosinte, triticale, wheat and wild rice), cotton, cucurbit vegetables, legume vegetables (including soybean), oilseed crops (black mustard seed, borage seed, crambe seed, field mustard seed, flax seed, Indian mustard seed, Indian rapeseed seed, rapeseed seed, and safflower seed), peanuts, potatoes, sugarbeets, and sunflower

ACTIVE INGREDIENT:	WT. 8Y %
Thiamethoxam (CAS No. 153719-23-4)	47.6%
OTHER INGREDIENTS:	52.4%
TOTAL:	100.0%

Flowable seed treatment containing 5 lbs. thiamethoxam per gallon.

KEEP OUT OF REACH OF CHILDREN CAUTION/PRECAUCIÓN

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 do so by the poison control center or doctor. • **DO NOT** give anything by mouth to an unconscious person. **IF ON SKIN OR CLOTHING:** • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 - 20 minutes. • Call a poison control center or doctor for treatment advice. **IF INHALED:** • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferable by mouth-to-mouth, if possible. • Call a poison control center or doctor for treatment advice. **IF IN EYES:** • Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice. **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.

PRECAUTIONARY STATEMENTS - HAZARDS TO HUMANS AND DOMESTIC ANIMALS - CAUTION/PRECAUCIÓN - Harmful if swallowed, absorbed through the skin, or inhaled. Avoid contact with skin, eyes, or clothing. Causes moderate eye irritation. Avoid breathing vapor or spray mist. **ENVIRONMENTAL HAZARDS** - This product is toxic to wildlife and highly toxic to aquatic invertebrates. Treated seeds exposed on soil surface may be hazardous to wildlife. Cover or collect treated seeds spilled during loading. Thiamethoxam is highly toxic to bees exposed to direct

treatment, and effects may be possible as a result of exposure to translocated residues in blooming crops. **DO NOT** contaminate water when disposing of equipment wash water. **Ground Water Advisory:** Thiamethoxam has properties and characteristics associated with chemicals detected in ground water. This chemical may leach into the ground water if used in areas where soils are permeable, particularly where the water table is shallow. **Surface Water Advisory:** This product may impact surface water quality due to spray drift and runoff of rain water. This is especially true for poorly draining soils and soils with shallow groundwater. This product is classified as having high potential for reaching surface water via runoff for several months after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of thiamethoxam water from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall is forecast to occur within 48 hours. **DIRECTIONS FOR USE** - It is a violation of federal law to use this product in a manner inconsistent with its labeling.

STORAGE AND DISPOSAL - **DO NOT** contaminate water, food, or feed by storage or disposal. **DO NOT** pour or dispose down the drain or sewer. Call your local solid waste agency for local disposal options. **PESTICIDE STORAGE:** Keep this product in its tightly closed original container. **DO NOT** store in areas where temperatures are below 32 degrees F. Store in a cool, dry (preferably locked) area away from other pesticides, fertilizer, food, or feed that is inaccessible to children and animals. **PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility. Improper disposal of unused pesticide, spray mixture, or rinse water is a violation of Federal law. If these wastes cannot be used according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance. **CONTAINER HANDLING:** Co-extruded plastic container or COEX Rigid Plastic Less Than or Equal to 5 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 and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinse into application equipment or a mix tank or store rinseate 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 other procedures allowed by state and local authorities. **CONTAINER IS NOT SAFE FOR FOOD, FEED, OR DRINKING WATER!**

See label booklet for additional Precautionary Statements and Directions For Use.

Manufactured For:

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

EPA Reg. No. 83529-355

EPA Est. No. **AG** 72159-GA-001; **CS** 70815-GA-001; **MA** 83411-MN-001;

MC 89332-GA-001; **SC** 39578-TX-001; **TX** 07401-TX-001

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

Net Contents: 1 Gallon