



## OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

February 11, 2026

### **SENT BY EMAIL**

Audrey Sehn  
audrey.sehn@upl-ltd.com  
UPL NA, INC.

Subject: Labeling Notification per Pesticide Registration Notice (PRN) 98-10 - Addition of Alternate Brand Name for the subject product.  
Product Name: STartUP THIAM 5 FS  
Admin Number: 70506-649  
EPA Receipt Date: 01/23/2026  
Action Case Number: 00682948

Dear Audrey Sehn:

The U.S. Environmental Protection Agency is in receipt of your application for notification under Pesticide Registration Notice 98-10 for the above referenced product. The EPA has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The labeling submitted with this application has been stamped "Notification" and will be placed in our records.

The alternate brand name: "STartUp TMX" has been added to the registration. Our records have been updated accordingly.

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 the Federal Insecticide, Fungicide, and Rodenticide Act and is subject to review by the 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.

If you have questions, please contact Ralph Narain via email at [narain.ralph@epa.gov](mailto:narain.ralph@epa.gov).

Sincerely,

*Ralph Narain*

Ralph Narain, Entomologist/Risk Manager  
IVB3, RD  
Office of Pesticide Programs

THIAMETHOXAM	Group	4A	Insecticide
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[Text in brackets is optional]

# STartUP THIAM 5 FS Insecticide

## [Alternate Brand Name: STartUp TMX]

[An insecticide seed treatment product for protection against damage from, or control of, listed insects on corn, rice, soybeans]

**NOTIFICATION**

70506-649

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

02/11/2026

**ACTIVE INGREDIENT:**

Active Ingredient:

Thiamethoxam (CAS No. 153719-23-4)\* ..... 47.60%

**OTHER INGREDIENTS** ..... 52.4%**TOTAL** ..... 100.0%

\* Contains 5 lbs. of Thiamethoxam per gallon (600 grams per liter)

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

[See [front][back][side][inside][attached booklet][containers inside][inside booklet][inside leaflet][booklet] [panel] for [additional] [Precautionary Statements] [and] [complete] [Directions for Use] [First Aid].];

[See [front][back][side][inside][attached booklet][containers inside][inside booklet][inside leaflet][booklet] [panel] inside for complete Directions For Use, including Conditions of Sale and Warranty.]

[PEEL HERE TO OPEN ►]

FIRST AID.	
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• <b>DO NOT</b> induce vomiting unless told to do so by the poison control center or doctor</li> <li>• <b>DO NOT</b> give anything by mouth to an unconscious person.</li> </ul>
<b>IF ON SKIN OR CLOTHING:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice</li> </ul>
Have the product container or label with you when calling a poison control center or doctor, or going for treatment <b>FOR 24-HOUR MEDICAL EMERGENCY ASSISTANCE CALL ROCKY MOUNTAIN POISON AND DRUG SAFETY: 1-866-673-6671</b> <b>FOR 24-HOUR CHEMICAL EMERGENCY (Spill, leaks, fire, exposure or accident) CALL CHEMTREC: 1-800-424-9300 or +1-703-527-3887.</b>	

For Product Use Information Call 1-800-438-6071

[Batch Code will be placed on the container.]

Produced for:

UPL NA Inc.

P.O. Box 12219

Research Triangle Park, NC 27709-2119

EPA Reg. No. 70506-~~AUO~~649

EPA Est. No.:

NET CONTENTS:

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Harmful if swallowed, or absorbed through the skin. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

**Mixers, loaders, applicators and other handlers must wear:**

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

**Multiple Task Workers must wear:** (Multiple task workers perform multiple tasks in one day such as mixing, bagging/filling seed containers, product application, bag sewing, and clean up)

- Chemical resistant gloves made of barrier laminate, butyl rubber ( $\geq 14$  mils), neoprene rubber ( $\geq 14$  mils), nitrile 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 washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

### Engineering Control Statements

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

### 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 immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### ENVIRONMENTAL HAZARDS

This product is 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.

### PHYSICAL OR CHEMICAL HAZARDS

**DO NOT** mix or allow coming in contact with oxidizing agent. Hazardous chemical reaction may occur.

### 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.

**STartUP THIAM 5 FS** may be applied by closed or open system seed treatment application processes. **DO NOT** apply more than 215 gallons of **STartUP THIAM 5 FS** per 8-hour day for seed treatments utilizing a closed system.

**DO NOT** apply more than 38 gallons of **STartUP THIAM 5 FS** per 8-hour day for seed treatments utilizing an open system.

### 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, including plants, soil, or water is:

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

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

## PRODUCT INFORMATION

**STartUP THIAM 5 FS** is a systemic seed treatment insecticide belonging to the neonicotinoid class of chemistry. **STartUP THIAM 5 FS** controls certain chewing and sucking insects through contact and ingestion. The plant rapidly takes up the active ingredient in **STartUP THIAM 5 FS** as it starts to emerge and establish. The use of Thiamethoxam is compatible with integrated pest management programs. The length of control of the major insect pests will vary depending on the product use rate, insect pressure, crop growth and maturity, and soil and environmental conditions. When rate ranges are given, use the higher rate when insect pressure is expected to be high.

## USE RESTRICTIONS

- **DO NOT** apply more than 215 gallons of **STartUP THIAM 5 FS** per 8-hour day for seed treatments utilizing a closed system.
- **DO NOT** apply more than 38 gallons of **STartUP THIAM 5 FS** per 8-hour day for seed treatments utilizing an open system. Commercial treatment of sorghum seed requires the use of a closed system.
- **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.
- 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 **STartUP THIAM 5 FS** (thiamethoxam).
- For soybeans, **DO NOT** apply a neonicotinoid insecticide within 45 days of planting seed treated with **STartUP THIAM 5 FS**.
- 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.
- 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 the ethanol byproducts that are used in agronomic practice.
- For soybeans: **DO NOT** use at a rate that will result in more than 0.083 lb. thiamethoxam per acre (37.8 grams ai/A) as a seed treatment application. This seed has been treated with thiamethoxam at   x   mg ai/seed. **DO NOT** apply a neonicotinoid insecticide within 45 days of planting seed treated with **STartUP THIAM 5 FS**.
- 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 ai/A) per season. This seed has been treated with thiamethoxam at   x   mg ai/seed. Not for use in water seeded rice production. **DO NOT** plant or sow **STartUP THIAM 5 FS** treated rice seed by aerial application equipment. **DO NOT** use treated fields for the aquaculture of edible fish and crustacean.
- For corn: **DO NOT** use at a rate that will result in more than 0.21 lb. thiamethoxam per acre (93.75 grams ai/A) per season. This seed has been treated with thiamethoxam at   x   mg ai/seed.

## RESISTANCE MANAGEMENT

Some insect pests are known to develop resistance to products after repeated use. Because resistance development cannot be predicted, the use of this product should conform to sound resistance management strategies established for the crop and use area. UPL encourages responsible product stewardship to ensure effective long-term control of the insects on this label.

If resistance to this product develops in your area, this product, or other products with a similar mode of action, may not provide adequate control. If poor performance cannot be attributed to improper application or extreme weather conditions, a resistant strain of insect may be present. If you experience difficulty with control and resistance is a reasonable cause, immediately consult your local company representative or agricultural advisor for the best alternative method of control for your area.

**STartUP THIAM 5 FS** contains a Group 4A insecticide (thiamethoxam, belonging to the neonicotinoid class of chemistry). Insect biotypes with acquired or inherent resistance to Group 4A insecticides may eventually dominate the insect population if Group 4A insecticides are used repeatedly as the predominant method of control for targeted species. This may result in partial or total loss of control of those species by **STartUP THIAM 5 FS** or other Group 4A insecticides.

**In order to maintain susceptibility to this class of chemistry:**

- Avoid using Group 4A insecticides exclusively for season long control of insect species with more than one generation per crop season.
- For insect species with successive or overlapping generations, apply **STARTUP THIAM 5 FS** or other Group 4A insecticides using a “treatment window” approach. A treatment window is a period of time as defined by the stage of crop development and/or the biology of the pests of concern. Within the treatment window, depending on the length of residual activity, there may either be single or consecutive applications (seed treatment, soil, foliar, unless otherwise stated) of the Group 4A insecticides. **DO NOT** exceed the maximum **STARTUP THIAM 5 FS** allowed per growing season.
- Following a treatment window of Group 4A insecticides, rotate to a treatment window of effective products with a different mode of action before making additional applications of Group 4A insecticides.
- A treatment window rotation, along with other IPM practices for the crop and use area, is considered an effective strategy for preventing or delaying a pest’s ability to develop resistance to this class of chemistry.
- If resistance is suspected, **DO NOT** reapply **STartUP THIAM 5 FS** or any other Group 4A insecticides.

**Other Insect Resistance Management (IRM) practices include:**

- Incorporating IPM techniques into your insect control program.
- Monitoring treated insect populations for loss of field efficacy.
- Using tank-mixtures or premixes with insecticides from a different target site of action group as long as the involved products are all registered for the same crop outlet and effective rates are applied.

**For additional information on Insect Resistance Management:**

- Contact your local extension specialist, certified crop advisor and/or product manufacturer for additional insect resistance management recommendations.
- Visit the Insecticide Resistance Action Committee (IRAC) on the web at: <http://www.irac-online.org/>.

**SHAKE OR STIR WELL BEFORE USE.**

**SEED TREATMENT**

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 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 and seed storage conditions beyond the control of UPL NA Inc., no claims are made to guarantee the germination of carry-over seed or propagating material for all crop seed.

For protection against other insects not controlled by **STartUP THIAM 5 FS**, it is highly advised that a compatible seed treatment insecticide be used at EPA registered label rates and tank mixed in combination with **STartUP THIAM 5 FS**. These insecticides must show safety on treated seed, alone or in combination with **STartUP THIAM 5 FS**. Consult the label for appropriate use rates and follow all use instructions.

### MIXING PROCEDURES

Apply **STartUP THIAM 5 FS** 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 insecticide control. Thoroughly mix the directed amount of **STartUP THIAM 5 FS** into the required amount of water for the slurry treater and dilution rate to be used. Follow the manufacturer application instructions for the seed treatment equipment being used. Maintain constant agitation of the slurry during the treatment.

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

### TANK MIXTURES

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.

When mixing with products from other manufacturers, confirm the physical compatibility, seed safety, seed safety in stored seed, and biological efficacy prior to use by conducting a jar test.

Mix all intended seed treatments with a proportional amount of water to achieve the desired slurry mixture in a clear glass container. Mix well and allow mixture to sit for one hour. Remix and observe for incompatibility.

**STartUP THIAM 5 FS** has been found to be compatible with some liquid inoculant products. **STartUP THIAM 5 FS** may be mixed or applied sequentially with approved liquid inoculants. Consult the maker of the liquid inoculants and an UPL NA Inc representative for directions before applying **STartUP THIAM 5 FS** with inoculants.

It is highly recommended to use **STartUP THIAM 5 FS** with compatible and registered seed treatment fungicides such as Rancona and other STartUP brand fungicides proven to provide seed and seedlings against diseases. These fungicides must show safety on treated seed, alone or in combination with **STartUP THIAM 5 FS**.

### 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.

- 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 **STartUP THIAM 5 FS** (thiamethoxam) (EPA Reg. No. 70506-~~AUQ~~ 649):

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

- Pollinator Precautions: Thiamethoxam is highly toxic to bees, and effects are possible as a result of exposure to translocated residues in blooming crops.
- Store away from food and feedstuffs.
- Wear long-sleeved shirt, long pants and chemical-resistant gloves when handling treated seed.
- **DO NOT** apply more than 215 gallons of **STartUP THIAM 5 FS** per 8-hour day for seed treatments utilizing a closed system.
- **DO NOT** apply more than 38 gallons of **STartUP THIAM 5 FS** per 8-hour day for seed treatments utilizing an open system. Commercial treatment of sorghum seed requires the use of a closed system.
- Treated seeds exposed on soil surface may be hazardous to wildlife. Cover or collect treated seeds spilled during loading.
- Dispose of seed packaging in accordance with local requirements.
- In the event of crop failure or harvest of a crop grown from **STartUP THIAM 5 FS** treated seed, the field may be replanted immediately to alfalfa, Brassica (cole) leafy vegetables, cereal grains (including barley, buckwheat, corn, pearl millet, prose 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 corm vegetables. For any other crop, the minimum plant back interval is 120 days from the date the **STartUP THIAM 5 FS** 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.
- **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 washwaters.
- Regardless of the thiamethoxam product used or method of application, the maximum application rate is 0.266 lbs. AI per acre per calendar year. **DO NOT** apply more than 0.266 lbs. thiamethoxam ai per acre per calendar year.
- For corn: **DO NOT** use at a rate that will result in more than 0.21 lb. thiamethoxam per acre (93.75 grams ai/A) per season. This seed has been treated with thiamethoxam at   x   mg ai/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 ai/A) per season. This seed has been treated with



thiamethoxam at   x   mg ai/seed. Not for use in water seeded rice production. **DO NOT** plant or sow **STartUP THIAM 5 FS** treated rice seed by aerial application equipment. **DO NOT** use treated fields for the aquaculture of edible fish and crustacean.

- For soybeans: **DO NOT** use at a rate that will result in more than 0.083 lb. thiamethoxam per acre (37.8 grams ai/A) as a seed treatment application. This seed has been treated with thiamethoxam at   x   mg ai/seed. **DO NOT** apply a neonicotinoid insecticide within 45 days of planting seed treated with **STartUP THIAM 5 FS**.
- 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.

## SEED TREATMENT INSTRUCTIONS – DOMESTIC USE

CROP	PEST	USE RATE	RESTRICTIONS
Corn (Field, Pop, Seed and Sweet Corn)	Corn flea beetle Chinch bug Southern green stinkbug White grub (including Japanese beetle larvae, European Chafer larvae, true white grub, annual white grub, May/June beetle larvae), Seed corn maggots Seed corn beetle Sugarcane beetle Thrips Wireworms Corn leaf aphid Southern corn leaf beetle Grape colaspis Black cutworm	1.13 -3.62 fl oz/80K seed or apply <b>STartUP THIAM 5 FS</b> at a rate to achieve between 0.250 and 0.80 milligrams thiamethoxam per kernel (each fluid ounce of <b>STartUP THIAM 5 FS</b> contains 17.7 grams thiamethoxam).	When treated according to the following directions for post-planting protection against listed pests, <b>STartUP THIAM 5 FS</b> will also provide protection during post treatment storage of the seed against damage from the following insects: Indian Meal Moth ( <i>Plodia interpunctella</i> ), Lesser Grain Borer ( <i>Rhyzopertha dominica</i> ), Red Flour Beetle ( <i>Tribolium castaneum</i> ), and Rice Weevil ( <i>Sitophilus oryza</i> ).  <b>Restrictions:</b> For field, pop, seed and sweet corn, <b>DO NOT</b> use a <b>STartUP THIAM 5 FS</b> rate that will result in more than 0.21 lb thiamethoxam per acre (93.75 grams ai/A) based on a maximum seeding rate for sweet corn of 75,000 seeds/acre. <b>DO NOT</b> apply more than 215 gallons per 8-hour day for seed treatments utilizing a closed system. <b>DO NOT</b> apply more than 38 gallons of <b>STartUP THIAM 5 FS</b> per 8-hour day for seed treatments utilizing an open system. If it is necessary to apply more than 38 gallons of <b>STartUP THIAM 5 FS</b> per 8-hour day, a closed system must be used.
	Corn root worm (including Northern, Western, Southern an Mexican)	5.65 fl oz/80K seed  Or apply <b>STartUP THIAM 5 FS</b> at a rate to achieve 1.25 milligrams thiamethoxam per kernel (each fluid ounce of <b>STartUP THIAM 5 FS</b> contains 17.7 grams thiamethoxam)	
Rice (dry-seeded use only)	Grape colaspis, Rice water weevil Chinchbugs Thrips	Apply <b>STartUP THIAM 5 FS</b> at a rate to achieve 0.03 milligrams thiamethoxam per seed* (each fluid ounce of <b>STartUP THIAM 5 FS</b> contains 17.7 grams of thiamethoxam)	To provide early season protection of seedlings

Soybean (including soybeans vegetable)	Aphids Bean leaf beetle Grape colaspis Leafhoppers Seedcorn maggot Threecornered alfalfa hopper Thrips White grubs Wireworm	1.28 (0.0756 to 0.1512 mg. a.i. per seed)	<b>DO NOT</b> apply a neonicotinoid insecticide within 45 days of planting seed treated with <b>STartUP THIAM 5 FS</b>
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### 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 **STartUP THIAM 5 FS** seed treatment. When transporting cut and **STartUP THIAM 5 FS** treated seed, make sure the seed is covered.

### STORAGE AND DISPOSAL

**DO NOT** contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

**PESTICIDE STORAGE:** Store **STartUP THIAM 5 FS** in a cool, dry place away from food, drink, and animal feeding stuffs. **DO NOT** store below 32°F (0°C). Repeated product freezing and thawing should be avoided. Shake or stir product before use.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility in accordance with Federal, State or local procedures under the Resource Conservation and Recovery Act.

#### CONTAINER HANDLING:

**Non-refillable containers (2.5, 15 & 30 gallon):** **DO NOT** reuse or refill this container. Offer for recycling, if available. Triple rinse or pressure rinse container (or equivalent) promptly after emptying.

**(Non-refillable <5 gallons):** 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 puncture and dispose of in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**(Non-refillable >5 gallons):** Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling, if available, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Pressure rinse as follows: Empty the remaining contents into application equipment or a 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 for 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.

**REFILLABLE CONTAINER (>250 gallon):** Refill this container with pesticide only. **DO NOT** reuse 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 refiller.

To clean the container before final disposal, empty the remaining contents from the container into application equipment or mix tank. Fill the container about 10 percent 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 process two more times. Then offer for recycling, if available, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**CONTAINER IS NOT SAFE FOR FOOD, FEED OR DRINKING WATER. IMPORTANT INFORMATION READ BEFORE USING PRODUCT**

#### **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 reflect the opinion of experts based on field use and tests and must be followed carefully. It is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of UPL NA Inc. or Seller. Handling, storage, and use of the product by Buyer or User are beyond the control UPL NA Inc. and 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 UPL NA Inc. and Seller harmless for any claims relating to such factors.

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