Note: Do not use, sell or distribute this product within, or into, Nassau County or Suffolk County, New York.

PULL HERE TO OPEN ►

THIAMETHOXAM	GROUP	4A	INSECTICIDE	SEDAXANE	GROUP	7	FUNGICIDE
DIFENOCONAZOLE	GROUP	3	FUNGICIDE	FLUDIOXONIL	GROUP	12	FUNGICIDE

Escanee QR para Español

CruiserMaxx® Vibrance®

Potato

syngenta®

Insecticide and Fungicide

A seed treatment product for protection against listed insects and diseases in potato seed tubers.

Active Ingredients:	
Thiamethoxam*	13.40%
Fludioxonil**	3.34%
Difenoconazole***	6.69%
Sedaxane****	6.69%
Other Ingredients:	69.88%
Total:	100.00%

*CAS No. 153719-23-4
**CAS No. 131341-86-1
***CAS No. 119446-68-3
****CAS No. 874967-67-6

One gallon of CruiserMaxx Vibrance Potato contains 1.28 lb thiamethoxam, 0.32 lb fludioxonil, 0.64 lb difenoconazole, and 0.64 lb sedaxane.

KEEP OUT OF REACH OF CHILDREN.

CAUTION

See additional precautionary statements and directions for use in booklet.

EPA Reg. No. 100-1556

EPA Est. 100-NE-001

SCP 1556A-L1B 0626 4257434

1 gallon
Net Contents

®

NOTES

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1.0 FIRST AID

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.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
HOTLINE NUMBER For 24-Hour Medical Emergency Assistance (Human or Animal) Or Chemical Emergency Assistance (Spill, Leak, Fire or Accident) Call **1-800-888-8372**	

2.0 PRECAUTIONARY STATEMENTS

2.1 Hazards to Humans and Domestic Animals

CAUTION

Harmful if swallowed. 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.

2.2 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 ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, polyvinyl chloride (PVC) ≥ 14 mils, or Viton™ ≥ 14 mils.
- Shoes plus socks

2.3 User Safety Requirements

Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

2.4 Engineering Controls

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

2.5 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.

2.6 Environmental Hazards

This product is toxic to wildlife and fish and highly toxic to aquatic invertebrates.
Do not contaminate water when disposing of equipment washwater or rinsate.

2.6.1 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.

2.6.2 Groundwater Advisory

Fludioxonil 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.

Thiamethoxam has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow may result in groundwater contamination.

2.7 Physical and Chemical Hazards

Do not use, pour, spill or store near heat or open flame. Do not mix or allow coming in contact with oxidizing and reducing agents. Hazardous Chemical reactions may occur.

DIRECTIONS FOR USE

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

Use is permitted on-farm and in commercial seed treatment facilities. Do not use for at-plant applications (e.g. hopper box, planter box, etc.). This product is to be used in liquid or slurry treaters 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.

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.

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 (REI). 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 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 made of 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

Treatment of highly mechanically scarred, excessively sprouted, bruised, or damaged seed pieces, or seed tubers known to be of low vigor, "physiologically old" (that has multiple sprouts) and poor quality, except for the purpose of curative control of existing 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. Then conduct germination tests with a portion of this treated seed before committing the total seed lot to a selected seed treatment.

Due to seed quality and seed storage conditions beyond the control of Syngenta, no claims are made to guarantee the germination of carry-over seed or propagating material for all crop seed when treated with CruiserMaxx Vibrance Potato.

3.0 PRODUCT INFORMATION

CruiserMaxx Vibrance Potato seed treatment contains thiamethoxam insecticide and fludioxonil, difenoconazole and sedaxane fungicides.

Thiamethoxam is a systemic seed treatment insecticide belonging to the neonicotinoid class of chemistry. Thiamethoxam protects against certain chewing and sucking insects through contact and ingestion. These insects include: aphids, Colorado potato beetles, flea beetles, leafhoppers, leaf miners, and psyllids.

Fludioxonil protects against damage from certain soil-borne and seed-borne diseases of crop plants. Fludioxonil is active against Fusarium dry rot seed decay, seed-borne Rhizoctonia that causes stem canker and tuber black scurf and seed-borne *Helminthosporium solani*, the causal agent of silver scurf diseases on potato tubers.

Difenoconazole is a triazole fungicide added to enhance Fusarium control and compliments resistance management of some of these pathogens.

Sedaxane is a SDHI fungicide added to enhance Rhizoctonia and seed-borne *Helminthosporium solani* control.

CruiserMaxx Vibrance Potato does not control bacterial disease or diseases present within the seed or protect against bacteria that may infect and decay the seed after planting.

3.1 Integrated Pest Management (IPM)

Use CruiserMaxx Vibrance Potato as an integral part of a potato pest management strategy. This strategy includes the use of certified seed and the incorporation of cultural techniques, such as: proper crop rotation, optimal harvest time for tubers to minimize disease development, proper handling of tubers to avoid unnecessary bruising, management and sanitation of equipment and storage areas to reduce inoculum, including avoidance of storage conditions that lead to free moisture or condensation and application of the seed treatment to clean seed pieces with a properly calibrated application system.

The expected length of protection against the labeled pests depends on the accuracy of application of the products to ensure the seed tubers receive the target rate of the active ingredients and also the prevailing weather and other extraneous factors that can impact pest pressure. Consult your local University Extension Centers or Syngenta representative or dealer for information relative to your area.

3.2 Resistance Management

THIAMETHOXAM	GROUP	4A	INSECTICIDE

Insecticide Resistance Management

For resistance management, CruiserMaxx Vibrance Potato contains a Group 4A/thiamethoxam insecticide. Any insect population may contain individuals naturally resistant to CruiserMaxx Vibrance Potato 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.

Thiamethoxam is a systemic insecticide belonging to the neonicotinoid class of chemistry which includes nicotinic acetylcholine receptor (nAChR) agonists.

To delay insecticide resistance, take the following steps:

- Rotate the use of CruiserMaxx Vibrance Potato 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 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 additional information on Insecticide Resistance Management:

- Contact Syngenta representatives at 1-866-796-4368
- Visit the Insecticide Resistance Action Committee (IRAC) on the web at: http://www.irac-online.org

Syngenta encourages responsible product stewardship to ensure effective long-term control of the insect pests on this label.

DIFENOCONAZOLE	**GROUP**	**3**	**FUNGICIDE**
SEDAXANE	**GROUP**	**7**	**FUNGICIDE**
FLUDIOXONIL	**GROUP**	**12**	**FUNGICIDE**

Fungicide Resistance Management

For resistance management, please note that CruiserMaxx Vibrance Potato contains Group 3/difenoconazole, Group 7/sedaxane and Group 12/fludioxonil fungicides. Any fungal population may contain individuals naturally resistant to CruiserMaxx Vibrance Potato and other Group 3, Group 7 or Group 12 fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

Difenoconazole belongs to the triazole class of chemistry and is a demethylation inhibitor of sterol biosynthesis (DMI) which disrupts membrane synthesis of the fungal cell. Sedaxane is a succinate dehydrogenase inhibitor (SDHI) and belongs to the carboxamide class of chemistry which disrupts cellular respiration and energy generation. Fludioxonil belongs to the phenylpyrrole class of chemistry which interferes with osmotic signal transduction.

To delay fungicide resistance, take one or more of the following steps:

- Rotate the use of CruiserMaxx Vibrance Potato or other Group 3, Group 7 or Group 12 fungicides within a growing season sequence with different groups that control the same pathogens.
- Use tank mixtures with a fungicide from a different group that are equally effective on the target pest when such use is permitted. Use at least the minimum application rate as labeled by the manufacturer.

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- Adopt an integrated disease management program for fungicide use that includes scouting, uses historical information related to pesticide use, and crop rotation, and which considers host plant resistance, impact of environmental conditions on disease development, disease thresholds, as well as cultural, biological and other chemical control practices.
- Where possible, make use of predictive disease models to effectively time fungicide applications. Note that using predictive models alone is not sufficient to manage resistance.
- Monitor treated fungal populations for resistance development.
- Contact your local extension specialist or certified crop advisor for any additional pesticide resistance-management and/or IPM recommendations for specific crop and pathogens.
- For further information or to report suspected resistance contact Syngenta at 1-866-Syngent(a) (866-796-4368). You can also contact your pesticide distributor or university extension specialist to report resistance.

Syngenta encourages responsible product stewardship to ensure effective long-term control of the fungal diseases on this label.

4.0 APPLICATION INSTRUCTIONS

4.1 Application Method

Use is permitted on-farm and in commercial seed treatment facilities. Do not use for at-plant applications (e.g. hopper box, planter box, etc.). This product is to be applied as a water-based slurry through standard liquid-type seed treatment equipment that provides uniform seed coverage. Seed treaters with atomizers or spinning discs are highly recommended for better product coverage on the seed.

Important: Re-circulate CruiserMaxx Vibrance Potato thoroughly before using.

Apply CruiserMaxx Vibrance Potato using only Syngenta-approved equipment that is designed to apply uniform coverage of liquid seed treatments to potato seed tubers. Follow the equipment manufacturer's instructions for set-up and calibration. Uneven or incomplete seed coverage may not give the desired level of insect control or disease protection.

Required Dye Statement: Seed treated with this product must be visually identifiable from untreated seed by the use of an approved colorant or dye to prevent accidental use of treated seed as food for humans or feed for animals. Refer to 21 CFR, Part 2.25. Any colorant or dye added to treated seed must be cleared for use in accordance with 40 CFR, Part 153.155(c).

CruiserMaxx Vibrance Potato requires dilution prior to atomization and application to potato seed tubers. The total quantity of water and product volume must be adjusted based on the amount of potato seed tubers to be treated. A volume of 2 – 4 fl oz of slurry mixture/100 lb of potato seed tubers is recommended. To achieve best results, calibrate the equipment so that every potato seed tuber is uniformly coated with a fine layer of the slurry mix, without any excess dripping out of the treated potato seed tuber. Applying excess moisture may predispose the potato seed tuber to rotting, resulting in poor emergence and stand. Maintain constant agitation of the slurry during the seed treatment process to prevent settling out of the solution. Clean out any unused product from the treater after treating or maintain constant agitation if the leftover slurry will be maintained overnight.

Apply CruiserMaxx Vibrance Potato only in well ventilated areas. In high humidity, it is advisable to use drying fans on the treated potato seed tubers.

If possible, allow treated potato seed tubers to dry during transit. Treated potato seed tubers can be planted the same day or stored under proper conditions. Refer to Storage of Treated Potato Seed Tubers in Section 4.3.

4.2 CruiserMaxx Vibrance Potato in Tank Mixtures

Tank-mix partners may be used with CruiserMaxx Vibrance Potato; however, the user must consider the use rate, formulation, seed and crop safety factors and compatibility of each product to be mixed when determining total application volume.

Where necessary for additional control of certain seed- and soil-borne pathogens, CruiserMaxx Vibrance Potato may be combined with Maxim® 4FS (fludioxonil), Maxim MZ (fludioxonil and mancozeb), Maxim PSP (fludioxonil), or Revus® (mandipropamid). For additional insect protection, CruiserMaxx Vibrance Potato may be tank mixed with Cruiser® 5FS (thiamethoxam).

Registered dust-based fungicides can be applied as a supplemental treatment after the CruiserMaxx Vibrance Potato application. If inert dust (fir bark, talc, etc.) or a dust-based fungicide is to be applied, apply CruiserMaxx Vibrance Potato before applying the dust.

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.

4.3 Storage of Treated Potato Seed Tubers

If potato seed tubers must be stored before planting, consult your local Syngenta representative for information on best management practices for handling and storing treated potato seed tubers. If the treated potato seed tubers are to be held or stored for a few days, then make sure the treated potato seed tubers are stored in well-ventilated areas that allow air to move through and out of the treated potato seed tubers. An ideal air temperature for storage is 60°F at a relative humidity of 85-90%. Avoid free moisture forming around or within the treated potato seed tubers during storage.

DO NOT BAG POTATO SEED TUBERS THAT HAVE BEEN TREATED WITH A LIQUID SEED TREATMENT.

5.0 ROTATIONAL CROP RESTRICTIONS

- In the event of crop failure or harvest of a crop grown from seed potatoes treated with CruiserMaxx Vibrance Potato, crops may be replanted according to the following schedule:

Plantback Interval Table

Immediate Plantback	Minimum 60-Day Plantback Interval	Minimum 12-Month Plantback Interval
Cereals, Small Grain: Barley, Oats, Rye, Triticale, Wheat Cotton Dried Shelled Pea and Bean (Except Soybean) Crop Subgroup 6C Oilseeds: Borage, Crambe, Flax Seed, Mustard Seed, and Rapeseed (including Canola) Soybean Sugarbeet Sweet Corn	Alfalfa All Other Cereal Grains in Crop Group 15 Cucurbit Vegetables Crop Group 9 Fruiting Vegetables Crop Group 8 Head and Stem Brassica Crop Subgroup 5A Leafy Brassica Greens Crop Subgroup 5B Leafy Vegetables (Except Brassica Vegetables) Crop Group 4 Legume Vegetables (Succulent or Dried) Crop Group 6 Mint: Peppermint and Spearmint continued...	Potato treated with Sedaxane

Plantback Interval Table

Immediate Plantback	Minimum 60-Day Plantback Interval	Minimum 12-Month Plantback Interval
Cereals, Small Grain: Barley, Oats, Rye, Triticale, Wheat	Onion, Dry Bulb	Potato treated with Sedaxane
Cotton	Peanut	
Dried Shelled Pea and Bean (Except Soybean) Crop Subgroup 6C	Root Vegetables Crop Subgroup 1A	
Oilseeds: Borage, Crambe, Flax Seed, Mustard Seed, and Rapeseed (including Canola)	Safflower	
Soybean	Strawberry	
Sugarbeet	Sunflower	
Sweet Corn	Tobacco	
	Tuberous and Corm Vegetables (Except Potato) Crop Subgroup 1D	

- For any other crop, the minimum plantback interval is 120 days from the date the seed potatoes treated with CruiserMaxx Vibrance Potato were 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.

6.0 SEED CONTAINER LABEL REQUIREMENTS

6.1 Use of On-Farm Treated Seed (when treated seed are not for sale or distribution)

Treated seed sold or distributed for a use not permitted by the following labeling does not qualify as an exempted treated article under 40 CFR 152.25(a) and is therefore sale or distribution of an unregistered pesticide, pursuant to FIFRA section 12.

- Store treated seed away from food and feedstuffs.
- **DO NOT** allow children, pets, or livestock to have access to treated seed.
- Treated seed are for planting purposes only. **DO NOT** use for food, feed, or oil purposes. **DO NOT** use treated seed for fuel or ethanol production purposes.
- Wear long-sleeved shirt, long pants, shoes, socks, and chemical-resistant gloves when handling treated seed.

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- **DO NOT** plant treated seed by broadcasting to the soil surface. Ensure that all planted seed are thoroughly incorporated by the planter during planting. Additional incorporation may be required to thoroughly cover exposed seed.
- Treated seed exposed on the soil surface may be hazardous to wildlife. Cover or collect treated seed spilled during loading and planting (such as in row ends).
- Manage excess treated seed (e.g., spilled, unused, or expired treated seed) by one or more of the following methods:
  - o Collect excess treated seed for reuse for planting.
  - o Bury excess treated seed (only allowed if totaling 1 pound or less) at least 30 feet away from bodies of water at a depth of 6 inches or double the planting depth, whichever is greater.
  - o Dispose of excess treated seed by placing them in a landfill in accordance with applicable laws in your state.
  - o Return excess treated seed to the supplier if permitted by the state.
- **Advisory Dust-Reducing Technique:** The use of seed flow lubricants or polymer coatings may help decrease the amount of dust released during planting. Follow the recommendations of the planter manufacturer regarding the use of seed flow lubricants.

6.2 Seed Treatment in Commercial Facilities or Seed Treatment on Farm (when treated seed are to be sold or distributed) – Seed Bag Labeling Requirements

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

- This seed has been treated with thiamethoxam insecticide and difenoconazole, fludioxonil, and sedaxane fungicides.
- Do not use for food, feed, or oil purposes.

The U.S. Environmental Protection Agency requires that bags containing treated seed shall be labeled with the following statements. Any seed treated with CruiserMaxx Vibrance Potato that is sold or distributed without these statements or that is sold or distributed for a use not permitted by the following labeling does not qualify as an exempted treated article under 40 CFR 152.25(a) and is therefore sale or distribution of an unregistered pesticide, pursuant to FIFRA section 12(a)(1)(A).

This seed has been treated with CruiserMaxx Vibrance Potato (EPA Reg No. 100-1556) containing difenoconazole, fludioxonil, sedaxane, and thiamethoxam. Any seed treated with CruiserMaxx Vibrance Potato that is sold or distributed for a use not permitted by the following labeling does not qualify as an exempted treated article under 40 CFR 152.25(a) and is therefore sale or distribution of an unregistered pesticide, pursuant to FIFRA section 12(a)(1)(A).

- The contents of this bag are for planting purposes only. **DO NOT** use for food, feed, or oil purposes. **DO NOT** use for fuel or ethanol production purposes.
- Store treated seed away from food and feedstuffs.
- **DO NOT** allow children, pets, or livestock to have access to treated seed.
- **DO NOT** plant treated seed by broadcasting to the soil surface. Ensure that all planted seed are thoroughly incorporated by the planter during planting. Additional incorporation may be required to thoroughly cover exposed seed.
- Wear long-sleeved shirt, long pants and chemical-resistant gloves when handling treated seed.
- Treated seed exposed on soil surface may be hazardous to wildlife. Cover or collect treated seed spilled during loading and planting (such as in row ends).
- **DO NOT** contaminate water bodies when disposing of planting equipment wash waters.
- **DO NOT** store CruiserMaxx Vibrance Potato treated seed in burlap bags or impervious bags/containers or in areas that are poorly ventilated.
- Treated seed must be planted into the soil at a depth greater than 2 inches.
- Manage excess treated seed (e.g., spilled, unused, or expired treated seed) by one or more of the following methods:
  - o Collect excess treated seed for reuse for planting.
  - o Bury excess treated seed (only allowed if totaling 1 pound or less) at least 30 feet away from bodies of water at a depth of 6 inches or double the planting depth, whichever is greater.
  - o Dispose of excess treated seed by placing them in a landfill in accordance with applicable laws in your state.
  - o Return excess treated seed to the supplier if permitted by the state.

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- In the event of crop failure or harvest of a crop grown from seed potatoes treated with CruiserMaxx Vibrance Potato, crops may be replanted according to the following schedule:

Plantback Interval Table

Immediate Plantback	Minimum 60-Day Plantback Interval	Minimum 12-Month Plantback Interval
Cereals, Small Grain: Barley, Oats, Rye, Triticale, Wheat	Alfalfa	Potato treated with Sedaxane
Cotton	All Other Cereal Grains in Crop Group 15	
Dried Shelled Pea and Bean (Except Soybean)	Cucurbit Vegetables Crop Group 9	
Crop Subgroup 6C	Fruiting Vegetables Crop Group 8	
Oilseeds: Borage, Crambe, Flax Seed, Mustard Seed, and Rapeseed (including Canola)	Head and Stem Brassica Crop Subgroup 5A	
Soybean	Leafy Brassica Greens Crop Subgroup 5B	
Sugarbeet	Leafy Vegetables (Except Brassica Vegetables) Crop Group 4	
Sweet Corn	Legume Vegetables (Succulent or Dried) Crop Group 6	
	Mint: Peppermint and Spearmint	
	Onion, Dry Bulb	
	Peanut	
	Root Vegetables Crop Subgroup 1A	
	Safflower	
	Strawberry	
	Sunflower	
	Tobacco	
	Tuberous and Corm Vegetables (Except Potato) Crop Subgroup 1D	

- For any other crop, the minimum plantback interval is 120 days from the date the seed potatoes treated with CruiserMaxx Vibrance Potato were 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** use at a seed treatment rate that will result in more than 0.1 lb/A sedaxane per calendar year. A sedaxane application rate of 0.1 lb/A is equal to 4000 lb of potato planted per acre and treated with 0.5 fl oz of CruiserMaxx Vibrance Potato per 100 lb of potato seed.
- Regardless of type of application (seed treatment, soil or foliar), do not apply more than 0.46/A lb difenoconazole (208.7 g ai/A), 0.9 lb/A fludioxonil (408.2 g ai/A), or 0.125 lb/A thiamethoxam (56.7 g ai/A) per calendar year.
- **DO NOT** use at a seed treatment rate that will result in more than 0.188 lb fludioxonil per acre (85.3 grams ai/A) per year.
- **Groundwater Advisory:** Thiamethoxam has properties and characteristics associated with chemicals detected in groundwater. This chemical may leach into the groundwater 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 are possible as a result of exposure to translocated residues in blooming crops.
- **Advisory Dust-Reducing Technique:** The use of seed flow lubricants or polymer coatings may help decrease the amount of dust released during planting. Follow the recommendations of the planter manufacturer regarding the use of seed flow lubricants.
- [All seed bag tags must be legible and set in at least 8-point font size.]

7.0 SEED TREATMENT DIRECTIONS

7.1 Potato

Target Pest	Use Rate
Diseases	
Black scurf and stem and stolon canker (*Rhizoctonia solani*) Fusarium dry rot (*Fusarium* spp.) Silver scurf (*Helminthosporium solani*)	0.5 fl oz/100 lb seed
Insects	
Colorado potato beetle Aphids (including green peach, potato, buckthorn and foxglove aphid) Potato leafhopper Leafminers Psyllids Flea Beetles	0.5 fl oz/100 lb seed
Application Restrictions: Shake or mix CruiserMaxx Vibrance Potato well before using. Apply using standard seed treatment equipment that provides uniform seed coverage. Uneven or incomplete seed coverage may not give the desired level of disease control. Follow the manufacturer's application instructions for the seed treatment equipment being used.	

Where necessary for additional control of certain seed- and soil-borne pathogens, CruiserMaxx Vibrance Potato may be combined with Maxim 4FS (fludioxonil), Maxim MZ (fludioxonil and mancozeb), Maxim PSP (fludioxonil), or Revus (mandipropamid). For additional insect protection, CruiserMaxx Vibrance Potato may be tank mixed with Cruiser 5FS (thiamethoxam). In all cases the total product applied must stay within the maximum rates for each active ingredient listed below. Always follow label procedures.

Restrictions:

- Do not use at a seed treatment rate that will result in more than 0.1 lb ai sedaxane per acre per calendar year. A sedaxane application rate of 0.1 lb ai per acre is equal to 4000 lb of potato planted per acre and treated with 0.5 fl oz of CruiserMaxx Vibrance Potato product per 100 lb of potato seed.
- Regardless of type of application (seed treatment, soil or foliar), do not apply more than 0.46 lb difenoconazole per acre (208.7 grams ai/A) per calendar year.
- Do not use at a seed treatment rate that will result in more than 0.188 lb fludioxonil per acre (85.3 grams ai/A) per year. Regardless of type of application (seed treatment, soil or foliar), do not apply more than 0.9 lb fludioxonil per acre (408.2 grams ai/A) per calendar year.
- Regardless of type of application (seed treatment, soil or foliar), do not apply more than 0.125 lb thiamethoxam per acre (56.7 grams ai/A) per calendar year.

8.0 STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

Pesticide Storage

Store in a cool, dry place. Storage for extended periods above 90°F is not recommended.

For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes.

Pesticide Disposal

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. 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 at the nearest EPA Regional Office for guidance.

Container Handling [less than or equal to 5 gallons]

Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank 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 by other procedures approved by state and local authorities.

continued…

8.0 STORAGE AND DISPOSAL *(continued)*

Container Handling [greater than 5 gallons]

Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

Container Handling [greater than 5 gallons]

Refillable container. 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 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 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 procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

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

9.0 CONDITIONS OF SALE AND LIMITATION OF 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. 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 SYNGENTA CROP PROTECTION, LLC or Seller. To the extent permitted by applicable law, Buyer and User agree to hold SYNGENTA and Seller harmless for any claims relating to such factors.

SYNGENTA 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 permitted by applicable law: (1) this warranty does not extend to the use of the product contrary to label instructions, or under conditions not reasonably foreseeable to or beyond the control of Seller or SYNGENTA, and (2) Buyer and User assume the risk of any such use. TO THE EXTENT PERMITTED BY APPLICABLE LAW, SYNGENTA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS WARRANTED BY THIS LABEL

To the extent permitted by applicable law, in no event shall SYNGENTA be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF SYNGENTA 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 SYNGENTA OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

SYNGENTA 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 SYNGENTA.

Syngenta, LLC makes no claims as to the effect of this product or delivery systems on germination of the potato seed. The user, buyer or applicator of the seed treatment assumes all risks from such application.
Due to seed quality, seed condition and seed storage conditions beyond the control of Syngenta LLC no claims are made to guarantee the germination and or performance the potato seed tuber from treatment with CruiserMaxx Vibrance Potato.

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Viton™ is a trademark of The Chemours Company FC, LLC

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For non-emergency (e.g., current product information), call Syngenta Crop Protection at 1-866-796-4368.

Manufactured for:
Syngenta Crop Protection, LLC
P.O. Box 18300
Greensboro, North Carolina 27419-8300

SCP 1556A-L1B 0626
4257434

NOTES

NOTES

Note: Do not use, sell or distribute this product within, or into, Nassau County or Suffolk County, New York.

THIAMETHOXAM	GROUP	4A	INSECTICIDE	SEDAXANE	GROUP	7	FUNGICIDE
DIFENOCONAZOLE	GROUP	3	FUNGICIDE	FLUDIOXONIL	GROUP	12	FUNGICIDE

CruiserMaxx® Vibrance®
Potato

Insecticide and Fungicide

A seed treatment product for protection against listed insects and diseases in potato seed tubers.

Active Ingredients:

Thiamethoxam*	13.40%
Fludioxonil**	3.34%
Difenoconazole***	6.69%
Sedaxane****	6.69%
Other Ingredients:	69.88%
Total:	100.00%

*CAS No. 153719-23-4
**CAS No. 131341-86-1
***CAS No. 119446-68-3
****CAS No. 874967-67-6

One gallon of CruiserMaxx Vibrance Potato contains 1.28 lb thiamethoxam, 0.32 lb fludioxonil, 0.64 lb difenoconazole, and 0.64 lb sedaxane.

See additional precautionary statements and directions for use in booklet.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to supplemental labeling under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

EPA Reg. No. 100-1556 EPA Est. 100-NE-001

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Manufactured for:
Syngenta Crop Protection, LLC
P.O. Box 18300
Greensboro, North Carolina 27419-8300

SCP 1556A-L1B 0626 4257434

1 gallon
Net Contents

(01) 0 07 02941 59224 7

KEEP OUT OF REACH OF CHILDREN.

CAUTION

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION

Harmful if swallowed. 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.

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.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.
HOTLINE NUMBER: For 24-Hour Medical Emergency Assistance (Human or Animal) Or Chemical Emergency Assistance (Spill, Leak, Fire or Accident) Call **1-800-888-8372**.

Environmental Hazards

This product is toxic to wildlife and fish and highly toxic to aquatic invertebrates.
Do not contaminate water when disposing of equipment washwater or rinsate.

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.

Groundwater Advisory

Fludioxonil 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.

Thiamethoxam has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow may result in groundwater contamination.

Physical and Chemical Hazards

Do not use, pour, spill or store near heat or open flame. Do not mix or allow coming in contact with oxidizing and reducing agents. Hazardous Chemical reactions may occur.

STORAGE AND DISPOSAL

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