



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (7505T)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

EPA Reg. Number:

100-1700

Date of Issuance:

6/30/22

NOTICE OF PESTICIDE:

Registration
 Reregistration
(under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

Vibrance® Total

Name and Address of Registrant (include ZIP Code):

Syngenta Crop Protection, LLC
P.O. Box 18300
Greensboro, NC 27419

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA).

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is unconditionally registered in accordance with FIFRA section 3(c)(5) provided that you:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product when the Agency requires all registrants of similar products to submit such data.
2. Make the following label changes before you release the product for shipment:
 - Revise the EPA Registration Number to read, "EPA Reg. No. 100-1700."

Continues page 2

Signature of Approving Official:

Rachel Holloman, Chief
Fungicide and Herbicide Branch, Registration Division (7505P)

Date:

6/30/22

3. Submit one copy of the final printed label for the record before you release the product for shipment.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) lists examples of statements 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 Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

The record for this product currently contains the following CSF(s):

- Basic CSF dated 03/25/2021
- Alternate CSF 1 dated 03/25/2021
- Alternate CSF 2 dated 03/25/2021

If you have any questions, please contact Lindsay DeMers at demers.lindsay@epa.gov.

Enclosure: stamped "accepted" label

(Master label)

THIABENDAZOLE	GROUP	1	FUNGICIDE
MEFENOXAM	GROUP	4	FUNGICIDE
SEDAXANE	GROUP	7	FUNGICIDE
FLUDIOXONIL	GROUP	12	FUNGICIDE
PICARBUTRAZOX	GROUP	U17	FUNGICIDE

Vibrance® Total

Fungicide

A seed treatment product for protection against damage from listed soil- and seed-borne diseases of dry shelled peas and beans, lentils and chickpeas.

Active Ingredients:

Thiabendazole ¹	4.30%
Sedaxane ²	1.43%
Mefenoxam ³	1.07%
Fludioxonil ⁴	0.72%
Picarbutrazox ⁵	0.72%
<hr/>	
Other Ingredients:	91.76%
Total:	100.00%

¹CAS No. 148-79-8

²CAS No. 874967-67-6

³CAS No. 70630-17-0 and CAS No. 69516-34-3

⁴CAS No. 131341-86-1

⁵CAS No. 500207-04-5

Vibrance Total is a flowable concentrate for seed treatment containing 0.390 lb thiabendazole, 0.130 lb sedaxane, 0.097 lb mefenoxam, 0.065 lb fludioxonil and 0.065 lb picarbutrazox per gallon.

KEEP OUT OF REACH OF CHILDREN

CAUTION

See additional precautionary statements and directions for use on label.

EPA Reg. No. 100-XXXX

EPA Est. XXXXX

Net Contents

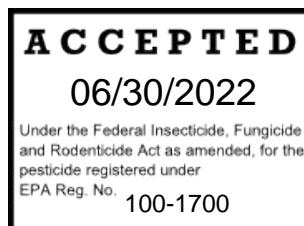


TABLE OF CONTENTS

1.0 FIRST AID

2.0 PRECAUTIONARY STATEMENTS

2.1 Hazards to Humans and Domestic Animals

2.2 Personal Protective Equipment (PPE)

2.2.1 User Safety Requirements

2.2.2 Engineering Controls

2.2.3 User Safety Recommendations

2.3 Environmental Hazards

2.3.1 Groundwater Advisory

2.3.2 Surface Water Advisory

2.4 Physical or Chemical Hazards

DIRECTIONS FOR USE

3.0 PRODUCT INFORMATION

3.1 Resistance Management

4.0 APPLICATION DIRECTIONS

4.1 Tank Mixtures

5.0 USE RESTRICTIONS

6.0 ROTATIONAL CROP RESTRICTIONS

7.0 SEED CONTAINER LABEL REQUIREMENTS

8.0 SEED TREATMENT DIRECTIONS

8.1 Legume Vegetables (Dried Shelled Pea and Bean, Except Soybean) Crop
Subgroup 6C

9.0 STORAGE AND DISPOSAL

10.0 CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

1.0 FIRST AID

FIRST AID	
If swallowed	<ul style="list-style-type: none"> • 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 a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If on skin or clothing	<ul style="list-style-type: none"> • 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.
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

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, neoprene rubber ≥14 mils, nitrile rubber ≥14 mils, polyvinyl chloride (PVC) ≥14 mils, or Viton® ≥14 mils
- Shoes and socks

2.2.1 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.

2.2.2 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 170.240(d)(4-6)), the handler PPE requirements may be reduced or modified as specified in the WPS.

2.2.3 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.

2.3 Environmental Hazards

This pesticide is toxic to fish and aquatic invertebrates. **DO NOT** contaminate water bodies when disposing of equipment washwater or rinsate. Runoff may be hazardous to aquatic organisms in neighboring areas. Exposed treated seed may be hazardous to birds or other wildlife. Cover or collect seeds spilled during loading and planting. **DO NOT** apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high-water mark.

2.3.1 Groundwater Advisory

Mefenoxam is known to leach through soil into groundwater under certain conditions as a result of label use. This chemical may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow.

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.

2.3.2 Surface Water Advisory

This product may impact surface water quality due to 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 or more 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 mefenoxam from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall or irrigation is expected to occur within 48 hours.

2.4 Physical or Chemical Hazards

DO NOT mix or allow coming in contact with oxidizing agents. 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.

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.

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. Seed treaters with atomizers or spinning discs are highly recommended for better product coverage on the seed.

DO NOT store at temperatures above 100°F.

Maximum usage when applying metalaxyl- and mefenoxam-containing products to the same crop within the same season: DO NOT apply more than the maximum yearly total application rate for the active ingredient as stated on the label of the product containing the lowest yearly total on that crop.

Maximum usage when applying multiple fludioxonil-, sedaxane-, thiabendazole-, and picarbutrazox-containing products to the same crop within the same year: DO NOT apply more than the maximum yearly total application rate for each active ingredient as stated on the label of the product containing the lowest yearly total on that crop.

FAILURE TO FOLLOW DIRECTIONS AND PRECAUTIONS ON THIS LABEL MAY RESULT IN CROP INJURY, POOR 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), notification to workers, 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 48 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, neoprene rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, polyvinyl chloride (PVC) ≥ 14 mils, or Viton ≥ 14 mils
- Shoes Plus Socks

Treatment of highly mechanically scarred or damaged seed or seed known to be of low vigor and poor quality may result in reduced germination and/or reduction of seed and seedling vigor. Treat a 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, crop or variety sensitivity, and seed storage conditions beyond the control of Syngenta, no claims are made to guarantee the germination of seed or propagating material for all crop seed when treated with Vibrance Total.

3.0 PRODUCT INFORMATION

Vibrance Total is a seed treatment product containing the fungicide active ingredients thiabendazole, sedaxane, mefenoxam, fludioxonil, and picarbutrazox. Vibrance Total protects against damage from listed soil- and seed-borne diseases of peas and beans (except soybeans).

Refer to the Directions for Use section for approved crops and diseases controlled by Vibrance Total.

3.1 Resistance Management

For resistance management, please note that Vibrance Total contains Group 1/thiabendazole, Group 4/mefenoxam, Group 7/sedaxane, Group 12/fludioxonil and Group 17/picarbutrazox fungicides. Any fungal population may contain individuals naturally resistant to Vibrance Total and other Group 1, Group 4, Group 7, Group 12 or Group U17 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.

Thiabendazole belongs to the methyl-benzimidazole carbamate class of chemistry which disrupts β -tubulin assembly in mitosis. Mefenoxam belongs to the phenylamide class of chemistry which interferes with fungal RNA synthesis. 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. Picarbutrazox belongs to the tetrazolyloxime class of chemistry and has an unknown mode of action.

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

- Rotate the use of Vibrance Total or other Group 1, Group 4, Group 7, Group 12 or Group U17 fungicides within a growing season sequence with different groups that control the same pathogens.
- Use tank mixtures with fungicides 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.
- 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 1-866-796-4368. 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 DIRECTIONS

Important: Re-circulate Vibrance Total thoroughly before using.

Follow the manufacturer's application instructions for the seed treatment equipment being used.

Apply Vibrance Total as a water-based slurry through standard liquid-type seed treatment equipment that provides uniform seed coverage. Use seed treaters with atomizers or spinning discs for better product coverage on the seed. Uneven or incomplete seed coverage may not give the desired level of disease control. Thoroughly mix the specified amount of Vibrance Total into the required amount of water or liquid inoculant for the slurry treater and dilution rate to be used.

Certain crops require addition of inoculants when the seed is treated or planted. Vibrance Total is compatible with several liquid inoculant products. Consult the maker of the inoculant product and a Syngenta representative for directions before applying Vibrance Total with inoculants.

The total application volume must be sufficient to provide desired level of coverage. Dilution is typically done with water or liquid inoculants. The minimum slurry volume to achieve adequate coverage is 5.0 fl oz/100 lb of seed for all crops except chickpea. For chickpea, use a total slurry volume of 12 – 15 fl oz/100 lb of seed to obtain optimal coverage. Vibrance Total slurry volume may have to be adjusted from the volumes above due to environmental conditions.

Continuous agitation or mixing of the slurry mixture is necessary 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.

Vibrance Total contains an EPA-approved colorant that imparts an unnatural color to the seed as required by the Federal Seed Act.

Allow seed to dry before bagging.

Follow planter manufacturer's specifications for use of talc or other hopper box additives at planting. Seed must be completely dry before adding to planter.

4.1 Tank Mixtures

Vibrance Total mixes easily with water and other water-based seed treatments manufactured by Syngenta and many other companies. When mixing with products from other manufacturers, test the compatibility 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.

Mixing Vibrance Total with tank-mix partners: Add ½ of the required water to the mix tank and turn on the agitation. Mechanical agitation is preferred. If using wettable powders, add them first to clean water allowing them to completely disperse prior to adding Vibrance Total or other products. Allow each tank-mix partner to completely disperse before adding the next product. Add the remaining amount of water and agitate. Maintain agitation until the entire slurry mixture has been used.

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.

5.0 USE RESTRICTIONS

- **DO NOT** allow children, pets, or livestock to have access to treated seed.
- Store treated seed away from feeds and foodstuffs.
- Wear long-sleeved shirt, long pants, shoes and chemical resistant gloves when handling treated seed.
- Treated seeds exposed on soil surface may be hazardous to wildlife. Cover or collect treated seeds spilled during loading and planting (such as row ends).
- Treated seed must be planted into the soil at a depth greater than 1 inch.
- Dispose of all excess treated seed by burying seed away from bodies of water.
- **DO NOT** contaminate water bodies when disposing of planting equipment wash waters.
- Dispose of seed packaging in accordance with local requirements.
- 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 by-products that are used for agronomic practice.
- Do not apply more than 0.018 lb ai/A (8.1 g ai/A) per calendar year of fludioxonil-containing products as a seed treatment on Legume Vegetables (Dried Shelled Pea and Bean, Except Soybean) Crop Subgroup 6C.
- **DO NOT** apply more than 0.041 lb ai/A (19 g ai/A) per calendar year of sedaxane-containing products as a seed treatment on Legume Vegetables (Dried Shelled Pea and Bean, Except Soybean) Crop Subgroup 6C.
- **DO NOT** apply more than 0.25 lb ai/A (115 g/A) per calendar year of mefenoxam- or metalaxyl-containing products as a seed treatment on Legume Vegetables (Dried Shelled Pea and Bean, Except Soybean) Crop Subgroup 6C.
- **DO NOT** apply more than 0.15 lb ai/A (68 g ai/A) per calendar year of thiabendazole-containing products regardless of the type of application.
- **DO NOT** apply more than 0.018 lb ai/A (8.1 g ai/A) per calendar year of picarbutrazox-containing products as a seed treatment on Legume Vegetables (Dried Shelled Pea and Bean, Except Soybean) Crop Subgroup 6C.
- This seed has been treated with 2.5 g fludioxonil/100 kg seed (0.0025 lb fludioxonil/100 lb seed), 2.5 g picarbutrazox/100 kg seed (0.0025 lb picarbutrazox/100 lb seed), 3.75 g mefenoxam/100 kg seed (0.00375 lb mefenoxam/100 lb seed), 5.0 g sedaxane/100 kg seed (0.005 lb sedaxane/100 lb seed), and 15 g thiabendazole/100 kg seed (0.015 lb thiabendazole/100 lb seed).
- Make no more than 2 plantings of seed treated with Vibrance Total per year.

6.0 ROTATIONAL CROP RESTRICTIONS

In the event of crop failure or after harvest of a crop grown from seed treated with Vibrance Total, the field may be replanted according to the following schedule:

Plantback Interval Table

Immediate Plantback	Minimum 30-Day Plantback Interval
Cereals, Small Grain: Barley, Oat, Rye, Triticale, and Wheat Corn (Field, Pop, Seed, Sweet) Legume Vegetables (Succulent or Dried) Crop Group 6 Soybean	All Other Crops

Untreated foliage of legume vegetables from seeds treated with Vibrance Total are covered by an EPA tolerance.

7.0 SEED CONTAINER 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 thiabendazole, sedaxane, mefenoxam, fludioxonil, and picarbutrazox fungicides.
- **DO NOT** use for feed, food, or oil purposes.

In addition, the U.S. Environmental Protection Agency requires the following statements on bags containing seeds treated with Vibrance Total:

- Groundwater Advisory: Mefenoxam is known to leach through soil into groundwater under certain conditions as a result of label use. Fludioxonil has properties and characteristics associated with chemicals detected in groundwater. These chemicals may leach into groundwater 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 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 or more 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 mefenoxam from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall or irrigation is expected to occur within 48 hours.
- **DO NOT** allow children, pets, or livestock to have access to treated seed.
- Store treated seed away from feeds and foodstuffs.
- Wear long-sleeved shirt, long pants, shoes and chemical resistant gloves when handling treated seed.
- Treated seeds exposed on soil surface may be hazardous to wildlife. Cover or collect treated seeds spilled during loading and planting (such as row ends).
- Treated seed must be planted into the soil at a depth greater than 1 inch.
- Dispose of all excess treated seed by burying seed away from bodies of water.
- **DO NOT** contaminate water bodies when disposing of planting equipment wash waters.
- Dispose of seed packaging in accordance with local requirements.
- 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 by-products that are used for agronomic practice.

- **DO NOT** apply more than 0.018 lb ai/A (8.1 g ai/A) per calendar year of fludioxonil-containing products as a seed treatment on Legume Vegetables (Dried Shelled Pea and Bean, Except Soybean) Crop Subgroup 6C.
- **DO NOT** apply more than 0.041 lb ai/A (19 g ai/A) per calendar year of sedaxane-containing products as a seed treatment on Legume Vegetables (Dried Shelled Pea and Bean, Except Soybean) Crop Subgroup 6C.
- **DO NOT** apply more than 0.25 lb ai/A (115 g/A) per calendar year of mefenoxam- or metalaxyl-containing products as a seed treatment on Legume Vegetables (Dried Shelled Pea and Bean, Except Soybean) Crop Subgroup 6C.
- **DO NOT** apply more than 0.15 lb ai/A (68 g ai/A) per calendar year of thiabendazole-containing products regardless of the type of application.
- **DO NOT** apply more than 0.018 lb ai/A (8.1 g ai/A) per calendar year of picarbutrazox-containing products as a seed treatment on Legume Vegetables (Dried Shelled Pea and Bean, Except Soybean) Crop Subgroup 6C.
- This seed has been treated with 2.5 g fludioxonil/100 kg seed (0.0025 lb fludioxonil/100 lb seed), 2.5 g picarbutrazox/100 kg seed (0.0025 lb picarbutrazox/100 lb seed), 3.75 g mefenoxam/100 kg seed (0.00375 lb mefenoxam/100 lb seed), 5.0 g sedaxane/100 kg seed (0.005 lb sedaxane/100 lb seed), and 15 g thiabendazole/100 kg seed (0.015 lb thiabendazole/100 lb seed).
- Make no more than 2 plantings of seed treated with Vibrance Total per year.
- In the event of crop failure or after harvest of a crop grown from seed treated with Vibrance Total, the field may be replanted according to the following schedule:

Plantback Interval Table

Immediate Plantback	Minimum 30-Day Plantback Interval
Cereals, Small Grain: Barley, Oat, Rye, Triticale, and Wheat Corn (Field, Pop, Seed, Sweet) Legume Vegetables (Succulent or Dried) Crop Group 6 Soybean	All Other Crops

Untreated foliage of legume vegetables from seeds treated with Vibrance Total are covered by an EPA tolerance.

8.0 SEED TREATMENT DIRECTIONS

8.1 Legume Vegetables (Dried Shelled Pea and Bean, Except Soybean) Crop Subgroup 6C

Crops		
<p>Bean (<i>Lupinus spp.</i>) (includes grain lupin, sweet lupin, white lupin and white sweet lupin)</p> <p>Bean (<i>Phaseolus spp.</i>) (includes field bean, kidney bean, lima bean (dry), navy bean, pinto bean, tepary bean)</p> <p>Bean (<i>Vigna spp.</i>) (includes adzuki bean, blackeyed pea, catjang, cowpea, Crowder pea, moth bean, mung bean, rice bean, southern pea, urd bean)</p> <p>Broad bean (dry) (fava bean) (<i>Vicia faba</i>)</p> <p>Chickpea (garbanzo bean) (<i>Cicer arietinum</i>)</p> <p>Guar (<i>Cyamopsis tetragonoloba</i>)</p> <p>Lablab bean (hyacinth bean) (<i>Lablab purpureus</i>)</p> <p>Lentil (<i>Lens esculenta</i>)</p> <p>Pea (<i>Pisum spp.</i>) (includes field pea)</p> <p>Pigeon pea (<i>Cajanus cajan</i>)</p>		
Target Diseases	Use Rate (fl oz/100 lb seed)	Use Rate (grams ai/100 kg seed)
<p>Seed and soil-borne diseases caused by <i>Botrytis</i>, <i>Fusarium</i>, <i>Phomopsis</i>, <i>Pythium</i> and <i>Rhizoctonia spp.</i> [*]</p> <p>Seed-borne Ascochyta blight and foot root caused by <i>Ascochyta</i> and <i>Phoma spp.</i> [*]</p> <p>Seed-borne <i>Sclerotinia sclerotiorum</i> [*]</p> <p>Anthracnose caused by seed-borne <i>Colletotrichum spp.</i> [*]</p>	<p>5.0</p>	<p>Fludioxonil: 2.5</p> <p>Picarbutrazox: 2.5</p> <p>Mefenoxam: 3.75</p> <p>Sedaxane: 5.0</p> <p>Thiabendazole: 15</p>
[*][Not for use in California.]		
<ul style="list-style-type: none"> • DO NOT apply more than 0.018 lb ai/A (8.1 g ai/A) per calendar year of picarbutrazox-containing products, 0.018 lb ai/A (8.1 g ai/A) of fludioxonil-containing products, 0.041 lb ai/A (19 g ai/A) of sedaxane-containing products, 0.25 lb ai/A (115 g ai/A) of mefenoxam-containing products, and 0.15 lb ai/A (68 g ai/A) of thiabendazole-containing products as a seed treatment on Legume Vegetables (Dried Shelled Pea and Bean, Except Soybean) Crop Subgroup 6C. • Make no more than 2 plantings of seed treated with Vibrance Total per year. • Treated seed must be planted into the soil at a depth greater than 1 inch. 		

9.0 STORAGE AND DISPOSAL

STORAGE AND DISPOSAL

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

Pesticide Storage

Store in a cool, dry, secure place. Do not store at temperatures above 100°F.

Store in original container only. Keep container closed when not in use. Do not store near food or feed. In case of spill on floor or paved surfaces, mop and remove to chemical waste storage area until proper disposal can be made if product cannot be used according to the label.

Pesticide Disposal

Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste Representative 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 $\frac{1}{4}$ 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.

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 $\frac{1}{4}$ 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.

10.0 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. 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 this 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.

Vibrance®, the ALLIANCE FRAME
the SYNGENTA Logo and the PURPOSE ICON
are Trademarks of a Syngenta Group Company

Viton® is a registered trademark of E.I. DuPont de Nemours & Company, Inc.

©20XX Syngenta

For non-emergency (e.g., current product information),
Call Syngenta Crop Protection at
1-800-334-9481

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

Vibrance Total XXXX NEW-E 0421-CL – jeb – 06/27/2022
000100-XXXXX.20210415E.VIBRANCE_TOTAL_NEW_APR21-CL.pdf