



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Biopesticides and Pollution Prevention Division (7511P)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

EPA Reg. Number:

92188-7

Date of Issuance:

8/31/2023

NOTICE OF PESTICIDE:

Registration
 Reregistration
(under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

Vismax Seed Treatment

Name and Address of Registrant (include ZIP Code):

Elemental Enzymes Ag & Turf, LLC
1685 Galt Industrial Blvd.
Saint Louis, MO 63132

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Biopesticides and Pollution Prevention 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 or the Act).

Registration is in no way to be construed as an endorsement or recommendation of this product by the U.S. Environmental Protection Agency (EPA). In order to protect health and the environment, the Administrator, on his or her 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 the 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 or registration review of your product when the EPA requires all registrants of similar products to submit such data.
2. Submit Storage Stability and Corrosion Characteristics (Guidelines 830.6317 and 830.6320) data as these data requirements are not satisfied. A one-year study is required to satisfy these data requirements. You have 18 months from the date of this registration to provide these data to the EPA.

Signature of Approving Official:

Andrew Bryceland, Team Leader
Biochemical Pesticides Branch
Biopesticides and Pollution Prevention Division (7511P)
Office of Pesticide Programs

Date:

8/31/2023

3. If, following consultation with the United States Fish and Wildlife Service, the Service identifies additional issues or needed modifications, EPA will determine whether any changes are needed to this registration or labeling and will notify Elemental Enzymes Ag & Turf, LLC in writing if any changes are necessary and whether they are required to submit an amendment application incorporating any required data or modification, including an amended label. Alternatively, Elemental Enzymes Ag & Turf, LLC must submit a request for voluntary cancellation of the product. If this term of registration is not met, EPA may cancel the registration under an expedited process under FIFRA 6(e).
4. Make the following labeling change before you release this product for shipment: Revise the EPA Registration Number to read, "EPA Reg. No. 92188-7".
5. Submit one (1) copy of the final printed labeling for the record before you release this product for shipment.

Should you wish to add/retain a reference to your company's website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by 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 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 Assurance.

Your release for shipment of this product constitutes acceptance of these terms. If these terms are not complied with, this registration will be subject to cancellation in accordance with FIFRA section 6. A stamped copy of the labeling is enclosed for your records. Please also note that the record for this product currently contains the following acceptable Confidential Statement of Formula (CSF):

- Basic CSF dated 3/10/23.

If you have any questions, please contact Chris Pfeifer of my team by phone at 202-566-1599 or via email at pfeifer.chris@epa.gov.

Sincerely,

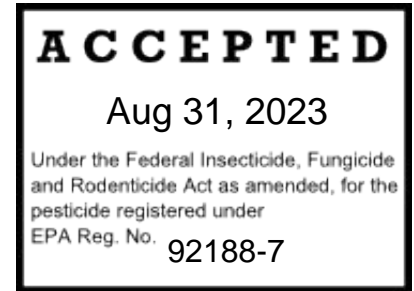


Andrew Bryceland, Team Leader
Biochemical Pesticides Branch
Biopesticides and Pollution
Prevention Division (7511P)
Office of Pesticide Programs

[Brackets throughout label indicate optional/alternative graphics or text.]

[FRAC Code P x]

Vismax® Seed Treatment
[Broad Spectrum Activator of Plant Defenses]



ACTIVE INGREDIENT:	By Weight
Flg22-Bt Peptide:	0.0048%
OTHER INGREDIENTS:	<u>99.9952%</u>
TOTAL:	100.0000%

Contains 48 mg ai per liter.

KEEP OUT OF REACH OF CHILDREN
CAUTION

See inside label booklet for Precautionary Statements and Directions for Use.

FIRST AID	
If Inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information on this pesticide product (including general health concerns or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378, Monday through Friday 8:00 AM to 12:00 PM Pacific Standard Time. In the event of a medical emergency, call your poison control center at 1-800-222-1222.	

EPA Reg. No.: 92188-T
EPA Est. No.: [Enter appropriate EPA establishment no.]

Net Contents: 2.5 gallons (9.46 L)
 265 gallons (1003.13 L)

PRODUCED FOR:
CORTEVA AGRISCIENCE LLC
9330 ZIONSVILLE RD
INDIANAPOLIS, IN 46268

[Made in/Manufactured in/Produced in/Product of] [USA/[Insert Country]]

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if inhaled. Avoid breathing dust. Remove and wash contaminated clothing before reuse.

- Do not use treated seed for food, feed, or oil processing.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks
- Waterproof gloves
- Minimum of a NIOSH-approved particulate filtering facepiece respirator with any N, R, or P filter; OR a NIOSH-approved elastomeric particulate respirator with any N, R, or P filter; OR a NIOSH-approved powered air-purifying respirator with an HE filter

Follow manufacturer's instructions for cleaning/maintaining PPE. If not such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

ENVIRONMENTAL HAZARDS

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high-water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

Treated seed exposed on soil surface may be hazardous to wildlife. Cover or collect seeds spilled during loading.

DIRECTIONS FOR USE

READ ENTIRE LABEL BEFORE USING THIS PRODUCT.

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

PRODUCT INFORMATION

Vismax[®] Seed Treatment protects against various soil-borne, seed-borne and early season post-emergence diseases of listed crops. Vismax[®] Seed Treatment activates the plant immune system through direct action on plant receptors to improve plant health. In addition to the disease prevention effect, Vismax[®] Seed Treatment stimulates root and shoot growth, resulting in increased emergence and early season plant vigor. These benefits [are observed in both the presence and absence of disease pressure, and] lead to increase in both yield and crop quality. For optimal seedling health, Vismax[®] Seed Treatment should be applied in a slurry to the seed in combination with one or more fungicides registered for the crop and disease target.

APPLICATION AND MIXING INSTRUCTIONS

Apply Vismax[®] Seed Treatment as a water-based slurry utilizing standard seed treatment equipment which provides uniform seed coverage. Consult seed treater and accessory documentation for specific information on proper equipment calibration. Thorough coverage of seed is essential for effective disease control or suppression.

This product must be used only by commercial seed treatment facilities. Not for use on agricultural establishments in hopper-box, planter-box, slurry-box or other seed treatment applications at or immediately before planting.

MIXING DIRECTIONS

Polymers, colorants, fungicides, pesticides, and other additives should be tested for compatibility and seed safety prior to mixing with Vismax® Seed Treatment.

Mixing Vismax® Seed Treatment with tank-mix partners: Add ¾ of required water to mix tank and begin agitation. If using wettable powders, add them first allowing them to completely disperse. Then add any additional chemicals to the tank mix, allowing each tank mix partner to completely disperse before adding the product. Add Vismax® Seed Treatment to the tank mix as the final tank mix product added prior to adding remaining water.

Note: Do not allow seed treatment mixture to stand overnight or for prolonged periods. No label dosage rate may be exceeded, and the most restrictive label precautions and limitations must be followed. This product may not be mixed with any product which prohibits such mixing. 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.

This product does not contain dye and is not covered by an appropriate tolerance, tolerance exemption, or other clearance under the Federal Food, Drug and Cosmetic Act. To comply with 40 CFR 153.155, therefore, all seed treated commercially with this product must be colored with an EPA-approved dye or colorant of a suitable color to prevent accidental use as food for man or feed for animals.

Pre-test tank mixtures with other seed treatment products to evaluate formulation compatibility and to ensure proper physical compatibility of products. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

MIXING TANK CLEANOUT

Prior to application, start with clean, well maintained application equipment. Immediately following application, thoroughly clean all mixing equipment to reduce the risk of forming hardened deposits, which might become difficult to remove.

Drain mixing equipment. Thoroughly rinse mixing equipment and flush with clean water.

Clean all other associated application equipment. Take all necessary safety precautions when cleaning equipment. Dispose of waste rinse water in accordance with local regulations.

Use Rates for Vismax® Seed Treatment

Cereal Grains (Includes Forage or Fodder) – Crop Group 15 Seed Treatment Application Includes cultivars, varieties, and/or hybrids of these commodities	Use Rate (fl oz/100 lb seed)	Use Rate (mg ai/seed)	INSTRUCTIONS
Early Season Vigor and Yield Enhancement <u>Specific Diseases:</u> Damping off (<i>Fusarium</i> spp., <i>Pythium</i> spp., <i>Rhizoctonia</i> spp.)	0.2 – 0.4	1.6 ⁻⁷ – 3.2 ⁻⁷	Mix at indicated rate in sufficient volume carrier or slurry for thorough seed coverage The mg ai/seed rate provided is based on an average seed weight of 18,000 seeds/lb. If treating seed with a different average seed weight, recalculate the appropriate fl oz/100 lb seed rate.

Corn Seed Treatment Application Includes sweet corn, white corn, popcorn, forage corn, silage	Use Rate (fl oz/100 lb seed)	Use Rate (mg ai/seed)	INSTRUCTIONS
Early Season Vigor and Yield Enhancement <u>Specific Diseases:</u> Damping off (<i>Fusarium</i> spp., <i>Pythium</i> spp., <i>Rhizoctonia</i> spp.)	0.28 – 0.56	2.48 ⁻⁶ – 4.96 ⁻⁶	Mix in sufficient volume carrier or slurry for thorough seed coverage The mg ai/seed rate provided is based on an average seed weight of 1,600 seeds/lb. If treating seed with a different average seed weight, recalculate the appropriate fl oz/100 lb seed rate.

Oilseed crops (Except Cotton) – Crop Group 20 Seed Treatment Application Includes cultivars, varieties, and/or Hybrids of these commodities	Use Rate (fl oz/100 lb seed)	Use Rate (mg ai/seed)	INSTRUCTIONS
Early Season Vigor and Yield Enhancement <u>Specific Diseases:</u> Damping Off <i>(Rhizoctonia spp.)</i>	0.6 – 1.4	$9.0^{-8} - 2.0^{-7}$	Mix at indicated rate in sufficient volume carrier or slurry for thorough seed coverage The mg ai/seed rate provided is based on an average seed weight of 99,545 seeds/lb. If treating seed with a different average seed weight, recalculate the appropriate fl oz/100 lb seed rate.

Soybean Seed Treatment Application	Use Rate (fl oz/100 lb seed)	Use Rate (mg ai/seed)	INSTRUCTIONS
Early Season Vigor and Yield Enhancement <u>Specific Diseases:</u> Damping off <i>(Fusarium spp., Pythium spp., Rhizoctonia spp.)</i>	0.28	1.42^{-6}	Mix in sufficient volume carrier or slurry for thorough seed coverage The mg ai/seed rate provided is based on an average seed weight of 2,800 seeds/lb. If treating seed with a different average seed weight, recalculate the appropriate fl oz/100 lb seed rate.

COMMERCIAL SEED BAG LABELING

In accordance with the Federal Seed Act and EPA 40CFR, seeds commercially treated with a pesticide must be labeled as follows:

- Treated seed. Do not use for food, feed or oil purposes.
- This seed has been treated with Vismax® Seed treatment (Flg22-Bt Peptide).
- Dispose of all excess treated seed by burying seed away from bodies of water.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE:

Store in a cool, dry place, away from children and pets. Keep from freezing.

PESTICIDE DISPOSAL:

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER HANDLING

[Use this statement for containers less than or equal to 5 gallons]

[Nonrefillable 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 ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.]

[Use the following statement for containers greater than 5 gallons]

[Nonrefillable container. Do not reuse or refill this container. Triple Rinse as follows: Empty remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.]

[Use the following statement for refillable container types]

[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 refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 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. Offer for recycling, if available; otherwise dispose of in a sanitary landfill or by incineration, if allowed by state and local authorities.]

CONDITIONS OF SALE AND LIMITATIONS OF WARRANTY AND LIABILITY

Read the entire Directions for Use, Conditions, Limit of Warranties and Liabilities before using this product. If terms are not acceptable, return the unopened product at once for a refund of the purchase price.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties, and Limitations of Liability. These terms may only be modified by a written document signed by a duly authorized representative of Elemental Enzymes Ag & Turf, LLC.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, 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 weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Elemental Enzymes Ag & Turf, LLC. To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer.

LIMIT OF WARRANTY AND LIABILITY: TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ELEMENTAL ENZYMES AG & TURF, LLC WARRANTS THAT THE PRODUCT CONFORMS TO THE CHEMICAL DESCRIPTION ON THE LABEL AND IS REASONABLY FIT FOR THE PURPOSES STATED ON THE LABEL WHEN USED IN ACCORDANCE WITH THE DIRECTIONS UNDER NORMAL CONDITIONS OF USE. NO OTHER EXPRESS WARRANTY OR IMPLIED WARRANTY OF FITNESS FOR PARTICULAR PURPOSE OR MERCHANTABILITY IS MADE. THE EXCLUSIVE REMEDY OF THE USER OR BUYER AND THE LIMIT OF THE LIABILITY OF THIS COMPANY OF ANY OTHER SELLER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT SHALL BE THE PURCHASE PRICE PAID BY THE USER OR BUYER FOR THE QUANTITY OF THIS PRODUCT INVOLVED. IN NO EVENT WILL THE COMPANY BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

U.S Patent 10,717,767

[Note to Reviewer: Any of the below graphics may appear anywhere on the label. Further, any of the below graphics may appear in various colors or black/white; not to impact legibility.]

