OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION
WASHINGTON, D.C. 20460

May 19, 2025

Keith Reding, Ph.D.
Vice President of Regulatory Affairs
Elemental Enzymes
1685 Galt Industrial Blvd.
St. Louis, MO 63132

Subject: Pesticide Registration Improvement Act (PRIA) Labeling Amendment – change the REI from 12 hours to 4 hours and to remove the text "Caution: Harmful is Inhaled" and reduce the PPE requirements.
Product Name: Vismax® Tree and Vine
EPA Registration Number: 92188-1
PRIA Category: B683
PRIA Due Date: 1/24/2025
Action Case Number: 00618667

Dear Dr. Keith Reding:

The amended labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable.

This approval does not affect any terms or conditions that were previously imposed on this registration. You continue to be subject to existing terms or conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one (1) copy of the final printed labeling before you release this product for shipment with the new labeling. In accordance with 40 CFR § 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 § CFR 152.3.

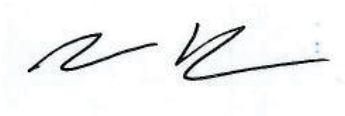
Should you wish to add/retain a reference to your company's website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the U.S. Environmental Protection Agency. If the website is false or misleading, the product will be considered to be misbranded 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 or claims substantially differing from statements or claims made in connection with obtaining a FIFRA section 3 registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

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.

If you have any questions, please contact Sydnie Vergara by phone at (202) 566-1606 or via email at vergara.sydnie@epa.gov.

Sincerely,



Gina Burnett, Senior Risk Manager
Biochemical Pesticides Branch
Biopesticides and Pollution
Prevention Division (7511M)
Office of Pesticide Programs

Enclosure

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

[FRAC Code P x]

Vismax® Tree and Vine

[Alternate Brand Names: Aura T+V]

[Broad Spectrum Activator of Disease Resistance]

ACTIVE INGREDIENT:	**By Weight**
Flg22-Bt Peptide	0.012%
OTHER INGREDIENTS:	99.988%
TOTAL:	100.000%

KEEP OUT OF REACH OF CHILDREN

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

HOT LINE NUMBER

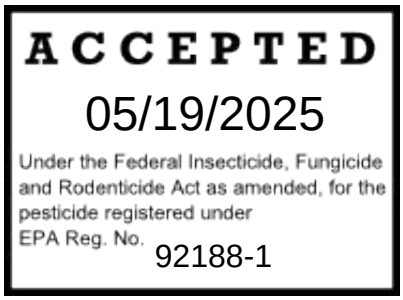
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information on this pesticide product (including general health concerns or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378, Monday through Friday 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.

For help with any spill, leak, fire or exposure involving this material, call day or night CHEMTREC – 1-800-424-9300.

EPA Reg. No.: 92188-1
EPA Est. No.: 92188-MO-1

Net Contents: 2.5 gal (9.46 L)

FORMULATED FOR
LOVELAND PRODUCTS, INC.®, P.O. BOX 1286, GREELEY, COLORADO 80632-1286
[FORMULATED IN THE USA]



[Internal Label Code]

PRECAUTIONARY STATEMENTS

PERSONAL PROTECTIVE EQUIPMENT (PPE):

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks
- Waterproof gloves

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.

USER SAFETY RECOMMENDATIONS

Users should:

- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

For Terrestrial Uses: 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.

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.

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.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard (WPS), 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 (WPS).

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 4 hours.

PPE required for early entry to treated areas that is permitted under the WPS and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls;
- Waterproof gloves; and
- Shoes plus socks

PRODUCT INFORMATION

Vismax® Tree and Vine formulation of Flg22-Bt peptide is a broad-spectrum activator of multiple plant defense mechanisms that suppresses plant diseases caused by bacteria and fungi. Vismax® Tree and Vine formulation can be applied as a foliar spray, soil drench, root dip, or chemigation treatment to labeled crops. The level of disease control is dependent on various environmental factors, host factors, disease pressure, coverage of host plants, and method of application.

INTEGRATED PEST MANAGEMENT

Vismax® Tree and Vine should be integrated into an overall disease and pest management strategy whenever pesticides are required. Cultural practices known to reduce disease development should be followed. Consult your local agricultural authorities for IPM strategies established in your areas.

APPLICATION INSTRUCTIONS

Vismax® Tree and Vine may be applied by ground, or air, chemigation, and as a root dip before transplanting.

Ground Foliar Application

- Apply a minimum of 50 gallons of water per acre for tree and vine crops, unless otherwise specified.
- Can be applied by hose-end, pressurized greenhouse, air blast mister, boom sprayer and hand-held sprayers.

[Aerial Foliar Application

- Mount the spray boom on the aircraft to minimize drift caused by wing tip vortices.
- Avoid application under conditions when uniform coverage cannot be obtained or when excessive spray drift may occur.
- Apply a minimum of 10 gallons per acre of water, unless otherwise specified.
- The minimum practical boom length should be used and should not exceed 75% of the wingspan or rotor diameter.
- Applications should not be made at a height greater than 10 feet above the top of the largest plants unless a greater height is required for aircraft safety. Partially fill the spray tank with clean water and begin agitation.

Aerial Spray Drift Advisory: For aerial applications, the boom width must not exceed 75% of the wingspan or 90% of the rotary blade. Use upwind swath displacement and apply only when wind speed is 3-10 mph as measured by an anemometer. Use medium or coarser spray according to ASAE 572 definition for standard nozzles or VMD for spinning atomizer nozzles. If application includes a no-spray zone, do not release spray at a height greater than 10 feet above the ground or the crop canopy.]

[Drip Irrigation

- Vismax® Tree and Vine may be applied through drip irrigation systems for soil borne disease control. The soil should have adequate moisture capacity prior to drip application. Prepare a minimum mixture of 2.5 gallons of water per acre with the desired rate of Vismax® Tree and Vine.]

[Root Dip

- Prepare a dilute solution of Vismax® Tree and Vine, using rate provided in application instructions and diluting at least 10-fold in water. Dip cuttings and bare-rooted transplants in the dilute solution of Vismax® Tree and Vine, submerging the cutting or transplant 0.25” past where the soil line would be when transplanting.]

[Soil Drench

- Prepare a dilute solution of Vismax® Tree and Vine in water, with use rate provided in application instructions. Use minimum of 2.5 gallons of water per acre to adequately saturate soil around the primary roots of the plants. Apply the Vismax® Tree and Vine dilute solution to the soil around the root zone of trees, shrubs, or vines.]

[**Greenhouse**

- Vismax® Tree and Vine may be applied as a foliar spray or soil drench in Greenhouses.
- See Ground Foliar Application and Soil Drench application instructions.

- Prepare a minimum mixture of 2.5 gallons of water per 1000 sq ft with the desired rate of Vismax® Tree and Vine.]

[CHEMIGATION DIRECTIONS FOR USE

Apply this product only through sprinkler irrigation systems including, but not limited to, center pivot, lateral move, end tow, side (wheel) roll, traveler, solid set, or hand move, drip-type and micro-jet irrigation systems. If you have questions about calibration, contact either State Extension Specialists, equipment manufacturers, or other experts. Do not connect an irrigation system (including greenhouse systems) used for pesticide applications to a public water system, unless the pesticide label prescribed safety devices for public water systems are in place. A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down to make necessary adjustments should the need arise.

Operation Instructions

1. The system must contain a functional check valve, vacuum relief valve, and low-pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
2. The pesticide injection pipeline must contain a functional, automatic, quick-closing check-valve to prevent the flow of fluid back toward the injection pump.
3. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
5. The irrigation line or water pump must include a functional pressure switch, which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
6. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump), effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
7. Do not apply when wind speed favors drift beyond the area intended for treatment.
8. Prepare a minimum mixture of 2.5 gal of water per acre with the desired rate of Vismax® Tree and Vine and inject this mixture into the system. Injecting a larger volume of a more dilute mixture will usually provide more accurate calibration of metering equipment. Maintain sufficient agitation to keep Vismax® Tree and Vine in suspension.

Specific Instructions for Public Water Systems

1. Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days of the year.
2. Chemigation systems connected to public water systems must contain a functional, reduced pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water systems should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

3. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
4. The pesticide injection pipeline must also contain a functional, normally closed solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
5. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where the pesticide distribution is adversely affected.
6. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump), effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
7. Do not apply when wind speed favors drift beyond the area intended for treatment.]

MIXING AND COMPATIBILITY

Mixing Instructions

- Vismax® Tree and Vine is a soluble liquid concentrate (SL) formulation.
- Prepare no more spray mixture than is required for the immediate operation.
- Thoroughly clean spray equipment before using this product.
- Agitate the spray solution before and during application.

Vismax® Tree and Vine + Tank Mixes

Vismax® Tree and Vine is compatible with most herbicides, fungicides, bactericides, nematicides, fertilizers, nutritionals, adjuvants, and surfactants but has not been tested with all potential combinations. To ensure the physical compatibility of Vismax® Tree and Vine with tank mix partners, use a jar test described below.

Tank Mix Compatibility Test

Using a suitable container, add proportional amounts of product to water. Add wettable powders first, followed by water dispersible granules, then by liquid flowables, emulsifiable concentrates, and lastly soluble liquid concentrates (Vismax® Tree and Vine) and surfactants. Mix thoroughly and let stand for at least five minutes. If the combination stays mixed or can be remixed, it is physically compatible. If the mixture balls-up, forms flakes, sludges, gels, oily film or layers, or other precipitates, it is not compatible and the tank mix combination should not be used.

Mixing Procedure for Tank Mixes

Step 1: Add half of the required amount of clean water to the spray or mixing tank.
Step 2: With the agitator running, add tank-mix partner(s) in the following order: wettable powders, wettable granules, liquid flowables, emulsifiable concentrates, soluble liquid concentrates (Vismax® Tree and Vine) and surfactants.
Step 3: Allow material(s) to completely dissolve and disperse into the mix water.
Step 4: Fill the spray tank with the balance of water needed.
Step 5: Maintain agitation until the mixture has been applied to the crop.

Note: Avoid allowing spray 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. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

USE PRECAUTIONS

Crop Tolerance/Phytotoxicity: Although plant tolerance has been found to be acceptable for all crops on the label, not all possible tank-mix combinations have been tested under all conditions. When possible, it is best practice to test the combinations on a small portion of the crop to ensure that phytotoxic response will not occur as a result of application.

Surfactants: This product does not contain a surfactant. For thorough coverage of foliage, use a non-ionic surfactant or surfactant blend approved for use on growing crops. Reference surfactant label for rate directions and mixing instructions. Do not use with unblended crop oils.

Spray Drift: Avoiding spray drift at the application site is the responsibility of the applicator. The interactions of many equipment and weather-related factors determine the potential for spray drift. The applicator and the grower are responsible for considering these factors when making decisions.

Droplet Size: Apply a medium to coarse droplet size using conventional application equipment.

Specific Crop Instructions and Use Rates for Vismax® Tree and Vine

Crop	Target Diseases	Application Method	Application Rate	Application Instructions
Forestry Trees & Ornamental Trees or Garden Plants* Includes cultivars, varieties, and/or hybrids of these commodities. *Not registered for use in California	**Anthracnose** *(Colletotrichum* spp.*)* **Downy mildew** *(Peronospora* spp.*)*	Foliar	12.8 – 25.6 fl oz/100 gallons carrier volume Equivalent to 22.71-45.42 mg Flg22-Bt Peptide/acre	For ground foliar applications, apply in a carrier volume sufficient for thorough foliar coverage, typically 100-130 gallons per acre. Carrier volume is dependent upon planting density, tree age, and foliar development.
		Soil	32 fl oz/acre Equivalent to 113.56 mg Flg22-Bt Peptide/acre	As a preventative treatment or to slow disease progression, apply to the root zone at transplanting through drip irrigation or as a soil drench. For established trees, apply during vegetative and reproductive stages as a preventative treatment or to slow disease progression.
		Greenhouse – Foliar or Soil	0.6 – 1.2 fl oz per 1000 sq ft Equivalent to 2.13 – 4.26 mg Flg22-Bt Peptide/1000 sq ft	Apply during vegetative and reproductive stages as a preventative treatment or to slow disease progression. Use as a foliar spray or to the root zones as a soil drench.

Crop	Target Diseases	Application Method	Application Rate	Application Instructions
Grapes Includes cultivars, varieties, and/or hybrids of these commodities. Includes: Wine, Table, Raisin	**Powdery Mildew** *(Uncinula necator)*	Foliar	12.8 fl oz/100 gallons carrier volume Equivalent to 22.71 mg Flg22-Bt Peptide/acre	Apply during vegetative and reproductive stages as a preventative treatment or to slow disease progression. Use a carrier volume for sufficient coverage but avoid excessive runoff. Do not use NIS surfactants or spreaders on table grapes due to potential crop response.
		Soil	32 fl oz/acre Equivalent to 113.56 mg Flg22-Bt Peptide/acre	As a preventative treatment, apply to the root zone at transplanting through drip irrigation or as a soil drench. For established vines, apply as a preventative treatment or to slow disease progression through drip irrigation or soil drench.
		Greenhouse – Foliar or Soil	0.6 – 1.2 fl oz per 1000 sq ft Equivalent to 2.13 – 4.26 mg Flg22-Bt Peptide/1000 sq ft	Apply during vegetative and reproductive stages as a preventative treatment or to slow disease progression. Use as a foliar spray or to the root zones as a soil drench.

Crop	Target Diseases	Application Method	Application Rate	Application Instructions
Small fruit vine climbing (except grape)* **Crop Subgroup 13-07E** Includes cultivars, varieties, and/or hybrids of these commodities. Amur river grape Gooseberry Kiwifruit, fuzzy Kiwifruit, hardy Maypop Schisandra berry *Not registered for use in California	**Bacterial Blight** *(Pseudomonas syringae, Pseudomonas viridiflava)* **Bleeding Canker** *(Pseudomonas syringae*	Foliar	12.8 – 25.6 fl oz/100 gallons carrier volume Equivalent to 22.71-45.42 mg Flg22-Bt Peptide/acre	Apply during vegetative and reproductive stages as a preventative treatment or to slow disease progression. For ground foliar applications, apply a minimum of 12.8 fl oz/acre in a carrier volume sufficient for thorough foliar coverage, typically 100-130 gallons per acre. Carrier volume is dependent upon planting density, tree age, and foliar development.
		Soil	32 fl oz/acre Equivalent to 113.56 mg Flg22-Bt Peptide/acre	Apply at transplanting and during all vegetative and reproductive stages as a preventative treatment or to slow disease progression through drip irrigation or soil drench.
		Greenhouse – Foliar or Soil	0.6 – 1.2 fl oz per 1000 sq ft Equivalent to 2.13 – 4.26 mg Flg22-Bt Peptide/1000 sq ft	Apply during vegetative and reproductive stages as a preventative treatment or to slow disease progression. Use as a foliar spray or to the root zones as a soil drench.

Crop	Target Diseases	Application Method	Application Rate	Application Instructions
Non-Bearing Trees (except for almonds)* Includes cultivars, varieties, and/or hybrids of these commodities. Pome Fruit Tree Nuts Stone Fruit *Not registered for use in California	**Powdery Mildew** *(Podosphaera leucotricha)*	Foliar	2.56 – 5.12 fl oz/10 gallons carrier volume Equivalent to 9.08 – 236.21 mg Flg22-Bt Peptide/acre	Apply during vegetative and reproductive stages as a preventative treatment or to slow disease progression. For ground foliar applications, apply in a carrier volume sufficient for thorough foliar coverage. Use a minimum of 10 gallons and a maximum of 130 gallons per acre. Carrier volume is dependent upon planting density, tree age, and foliar development. Application rates apply to trees that are no more than 3 years old.
		Greenhouse – Foliar or Soil	0.6 – 1.2 fl oz per 1000 sq ft Equivalent to 2.13 – 4.26 mg Flg22-Bt Peptide/1000 sq ft	Apply during vegetative and reproductive stages as a preventative treatment or to slow disease progression. Use as a foliar spray or to the root zones as a soil drench.

Crop	Target Diseases	Application Method	Application Rate	Application Instructions
Non-Bearing Trees Almonds Includes cultivars, varieties, and/or hybrids of these commodities.	**Anthracnose** *(Collectotrichum* spp., *Gnomonia leptostyla)* **Brown Rot Blossom Blight / Hull Rot** *(Monilinia* spp.*)* **Shot Hole** *(Wilsonomyces carpophilus)*	Foliar	2.56 – 5.12 fl oz/10 gallons carrier volume Equivalent to 9.08 – 236.21 mg Flg22-Bt Peptide/acre	Apply during vegetative and reproductive stages as a preventative treatment or to slow disease progression. For ground foliar applications, apply in a carrier volume sufficient for thorough foliar coverage. Use a minimum of 10 gallons and a maximum of 130 gallons per acre. Carrier volume is dependent upon planting density, tree age, and foliar development. Application rates apply to trees that are no more than 3 years old.
		Greenhouse – Foliar or Soil	0.6 – 1.2 fl oz per 1000 sq ft Equivalent to 2.13 – 4.26 mg Flg22-Bt Peptide/1000 sq ft	Apply during vegetative and reproductive stages as a preventative treatment or to slow disease progression. Use as a foliar spray or to the root zones as a soil drench.

Crop	Target Diseases	Application Method	Application Rate	Application Instructions
Pome Fruit* **Crop Group 11** Includes cultivars, varieties, and/or hybrids of these commodities. Apple Crabapple Loquat Mayhaw Pear Pear, oriental Quince *Not registered for use in California	**Powdery Mildew** *(Podosphaera leucotricha)*	Foliar	12.8 – 25.6 fl oz/100 gallons carrier volume Equivalent to 22.71-45.42 mg Flg22-Bt Peptide/acre	Apply during vegetative and reproductive stages as a preventative treatment or to slow disease progression. For ground foliar applications, apply a minimum of 12.8 fl oz/acre in a carrier volume sufficient for thorough foliar coverage, typically 100-130 gallons per acre. Carrier volume is dependent upon planting density, tree age, and foliar development.
		Soil	32 fl oz/acre Equivalent to 113.56 mg Flg22-Bt Peptide/acre	As a preventative treatment, apply to the root zone at transplanting through drip irrigation or as a soil drench. For established trees, apply as a preventative treatment or to slow disease progression.

Crop	Target Diseases	Application Method	Application Rate	Application Instructions
Stone Fruits* **Crop Group 12-12** Includes cultivars, varieties, and/or hybrids of this commodity. Apricot Apricot, Japanese Capulin Cherry, black Cherry, Nanking Cherry, sweet Cherry, tart Jujube, Chinese Nectarine Peach Plum Plum, American Plum, beach Plum, Canada Plum, cherry Plum, Chickasaw Plum, Damson Plum, Japanese Plum, Klamath Plum, prune Plumcot Sloe *Not registered for use in California	**Brown Rot Blossom Blight / Hull Rot** *(Monilinia* spp.*)* **Shot Hole** *(Wilsonomyces carpophilus)*	Foliar	12.8 – 25.6 fl oz/100 gallons carrier volume Equivalent to 22.71-45.42 mg Flg22-Bt Peptide/acre	Apply during vegetative and reproductive stages as a preventative treatment or to slow disease progression. For ground foliar applications, apply a minimum of 12.8 fl oz/acre in a carrier volume sufficient for thorough foliar coverage, typically 100-130 gallons per acre. Carrier volume is dependent upon planting density, tree age, and foliar development.
		Soil	32 fl oz/acre Equivalent to 113.56 mg Flg22-Bt Peptide/acre	As a preventative treatment, apply to the root zone at transplanting through drip irrigation or as a soil drench. For established trees, apply as a preventative treatment or to slow disease progression.

Crop	Target Diseases	Application Method	Application Rate	Application Instructions
Almonds Includes cultivars, varieties, and/or hybrids of this commodity.	**Anthracnose** *(Colletotrichum* spp.*)* **Brown Rot Blossom Blight / Hull Rot** *(Monilinia* spp.*)* **Shot Hole** *(Wilsonomyces carpophilus)*	Foliar	12.8 – 25.6 fl oz/100 gallons carrier volume Equivalent to 22.71-45.42 mg Flg22-Bt Peptide/acre	Apply during vegetative and reproductive stages as a preventative treatment or to slow disease progression. For ground foliar applications, apply a minimum of 12.8 fl oz/acre in a carrier volume sufficient for thorough foliar coverage, typically 100-130 gallons per acre. Carrier volume is dependent upon planting density, tree age, and foliar development.
		Soil	32 fl oz/acre Equivalent to 113.56 mg Flg22-Bt Peptide/acre	As a preventative treatment, apply to the root zone at transplanting through drip irrigation or as a soil drench. For established trees, apply as a preventative treatment or to slow disease progression.

Crop	Target Diseases	Application Method	Application Rate	Application Instructions
Pistachio* Includes cultivars, varieties, and/or hybrids of this commodity. *Not registered for use in California	**Alternaria Blight** (*Alternaria* spp.)	Foliar	12.8 – 25.6 fl oz/100 gallons carrier volume Equivalent to 22.71-45.42 mg Flg22-Bt Peptide/acre	Apply during vegetative and reproductive stages as a preventative treatment or to slow disease progression. For ground foliar applications, apply a minimum of 12.8 fl oz/acre in a carrier volume sufficient for thorough foliar coverage, typically 100-130 gallons per acre. Carrier volume is dependent upon planting density, tree age, and foliar development.
		Soil	32 fl oz/acre Equivalent to 113.56 mg Flg22-Bt Peptide/acre	As a preventative treatment, apply to the root zone at transplanting through drip irrigation or as a soil drench. For established trees, apply as a preventative treatment or to slow disease progression.

Crop	Target Diseases	Application Method	Application Rate	Application Instructions
Tree Nuts (except for Almond and Pistachio)* **Crop Group 14-12** Includes cultivars, varieties, and/or hybrids of this commodity. African nut-tree Beechnut Brazil nut Brazilian pine Bunya Bur oak Butternut Cajou nut Candlenut Cashew Chestnut Chinquapin Coconut Coquito nut Dika nut Ginkgo Guiana chestnut Hazelnut Heartnut Hickory nut Japanese horse-chestnut Macadamia nut Mongongo nut Monkey-pot Monkey puzzle nut Okari Nut Pachira nut Peach palm nut Pecan Pequi Pili nut Sapucaia nut Tropical almond Walnut, black Walnut, English Yellowhorn *Not registered for use in California	**Anthracnose** *(Colletotrichum* spp.*)* **Brown Rot Blossom Blight / Hull Rot** *(Monilinia* spp.*)* **Shot Hole** *(Wilsonomyces carpophilus)*	Foliar	12.8 – 25.6 fl oz/100 gallons carrier volume Equivalent to 22.71-45.42 mg Flg22-Bt Peptide/acre	Apply during vegetative and reproductive stages as a preventative treatment or to slow disease progression. For ground foliar applications, apply a minimum of 12.8 fl oz/acre in a carrier volume sufficient for thorough foliar coverage, typically 100-130 gallons per acre. Carrier volume is dependent upon planting density, tree age, and foliar development.
		Soil	32 fl oz/acre Equivalent to 113.56 mg Flg22-Bt Peptide/acre	As a preventative treatment, apply to the root zone at transplanting through drip irrigation or as a soil drench. For established trees, apply as a preventative treatment or to slow disease progression.

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.]
For help with any spill, leak, fire or exposure involving this material, call day or night CHEMTREC – 1-800-424-9300

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 COSISTENT 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.]

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