



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:

42519-39

Date of Issuance:

3/15/2018

NOTICE OF PESTICIDE:

Registration
 Reregistration
 (under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

VITAL GREEN XTRA

Name and Address of Registrant (include ZIP Code):

Luxembourg-Pamol, Inc.
 3647 Willowbend Blvd., Suite 810
 Houston, TX 77054

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:

3/15/2018

3. Make the following labeling change before you release this product for shipment:
 - Revise the EPA Registration Number to read, “EPA Reg. No. 42519-39.”
4. 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 08/16/2017

Any CSFs other than those listed above are superseded.

If you have any questions, please contact James Parker of my branch by phone at (703) 306-0469 or via email at parker.james@epa.gov.

Sincerely,



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

Enclosure

ACCEPTED

03/15/2018

Under the Federal Insecticide, Fungicide
and Rodenticide Act as amended, for the
pesticide registered under
EPA Reg. No. 42519-39

[Booklet]

VITAL GREEN XTRA

A systemic fungicide for the control of diseases caused by *Pythium* spp. and other pathogens on golf course turf [parks, recreational areas and sports fields, lawns around residential, institutional, public, commercial, and industrial buildings, and other turf grass areas (except sod farms)].

Active Ingredient:

Potassium Phosphite*	49.41%
Other Ingredients:	50.59%
<hr/> Total:	<hr/> 100.00%

*Phosphorous acid equivalent: 33.50% (4.1 lb/gal)

KEEP OUT OF REACH OF CHILDREN

CAUTION

[See additional precautionary statements, first aid, and directions for use in booklet/on label]

EPA Reg. No. 42519-

EPA Est.

Net Contents: 1, 2.5, or 250 gallons

Batch code:

FIRST AID	
If swallowed	<ul style="list-style-type: none"> • Call 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.
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.
If in eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. • Call a poison control center or doctor for treatment advice.
<p>Hot Line Number: 1-800-424-9300</p> <p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For non-emergency information concerning this product, call the National Pesticides Information Center (NPIC) at 1-800-858-7378 (NPIC Web site: www.npic.orst.edu). For emergencies, call the poison control center 1-800-222-1222.</p>	

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

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

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- long-sleeved shirt and long pants
- waterproof gloves
- shoes plus socks

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.

User Safety Recommendations

Users should:

- 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.

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 highwater mark. Do not contaminate water when disposing of equipment wash water or rinsate.

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 State or Tribal agency responsible for pesticide regulation.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses.

Keep unprotected persons out of treated areas until sprays have dried.

PRODUCT INFORMATION

Vital Green XTRA is a systemic fungicide, which contains potassium phosphite. Vital Green XTRA is effective in prevention and control of diseases caused by *Pythium*, *Microdochium*, Anthracnose, and *Rhizoctonia* spp. Vital Green XTRA, applied as part of an Integrated Pest Management (IPM) program with good cultural management, promotes a vigorous, healthy stand of turf that is better able to tolerate stress. In order to achieve maximum disease control, apply before the expression of disease or when disease is first observed. Initiate applications when environmental conditions are favorable for disease development.

MIXING INSTRUCTIONS

Apply in 1-5 gallons of water per thousand square feet. Fill spray tank halfway with clean water. Add the required amount of Vital Green XTRA to the tank as indicated in the tables below. While agitating, add the remaining amount of water.

COMPATIBILITY

Vital Green XTRA is believed to be compatible with most commonly used pesticides. Consult specific product labels for additional information. Conduct a tank spray compatibility test when you plan to mix this product with other products. To determine the physical compatibility of this product with other products, use a jar test. Using a quart jar, add the proportionate amounts of the products to approximately one quart of water with agitation. Add dry formulations first, then flowables, and then emulsifiable concentrates last. After thorough mixing, allow this mixture to stand for 5 minutes. If the combination remains mixed or can be readily remixed, it is physically compatible. Once compatibility has been proven, use the same procedure for adding products to the spray tank.

Vital Green XTRA has been evaluated for phytotoxicity on a large number of turf grasses under various growing conditions. However, testing all plant species, with all tank mixtures and combinations is not feasible. Test a small portion of the area to be treated for phytotoxicity, prior to treating the entire area.

APPLICATION INSTRUCTIONS

Vital Green XTRA is a systemic fungicide which provides control of the three forms of *Pythium* diseases that attack turf grass when the product is applied in a preventative manner. Begin applications when environmental conditions are favorable for the development of *Pythium*.

- Apply solution directly to turf grass unless directed otherwise in the **DIRECTIONS FOR USE**. For optimum control, thorough coverage is required.
- Do not apply this product through any type of irrigation system.
- Do not mow treated areas until grass is completely dry.

Turf Pythium Control

Disease	Vital Green XTRA fl oz/1,000 sq ft	Vital Green XTRA fl oz/Acre	Application Interval	Instructions
<i>Pythium</i> blight	3-4 4-6	130-175 175-260	7-14 days 14 days	Begin preventative applications when conditions first favor blight. As disease pressure increases, increase the rate of Vital Green XTRA.
<i>Pythium</i> root and crown rot	6-8	260-350	7-14 days	Best used as part of an overall agronomic program.
<i>Pythium</i> damping off	6-8	260-350	7-14 days	Apply to the seedbed and continue on a protective program.

Use a shorter spray interval and a higher rate under extra disease pressure.

Turf Tank Mixes for Control of Summer Stress, Anthracnose, Bermudagrass Decline, Bermudagrass Leaf Spot, and Pink Snow Mold

A Vital Green XTRA program encourages the development a vigorous, healthy stand of turf that is better able to tolerate stress as part of a complete disease control program. Apply Vital Green XTRA with products registered to control the disease complex on turf in accordance with the most restrictive of label limitations and precautions. Do not exceed the label dosage rates.

Disease	Vital Green XTRA fl oz/1,000 sq ft	Tank Mix Product	Application Interval	Instructions
Summer Stress (<i>Pythium</i> , Anthracnose, <i>Rhizoctonia</i> spp.)	4-8	Daconil Action™, Secure™	14 days	Make applications prior to the appearance of the disease and reapply on a 14 day interval while conditions favor the disease.
Anthracnose (<i>Colletotrichum cereale</i>)	4-8	Daconil Action, Medallion®	14 days	Make preventive applications prior to the appearance of the disease and reapply on a 14 day interval while conditions are favorable for disease.
Bermudagrass Decline and Take-all Root Rot (<i>Gaeumannomyces graminis</i> var. <i>graminis</i>)	6	Daconil Action	14 days	Apply as a preventative treatment prior to the expression of disease symptoms.
Bermudagrass Leaf Spot (<i>Bipolaris cynodontis</i>)	6	Daconil Action, Secure	14 days	Apply as a preventative treatment prior to the expression of disease symptoms.
Pink Snow Mold (not under snow cover) <i>Microdochium nivale</i>	6	Banner Maxx, Daconil Action, Secure, or Instrata	14 days	Apply prior to or soon after disease symptoms first appear, reapply on a 14 day interval while conditions favor the disease.

Use a shorter spray interval and a higher rate under extra disease pressure.

The following fungicides are physically compatible with Vital Green XTRA and may be substituted for use with Vital Green XTRA in the summer decline program: Daconil Weatherstik[®], Daconil Ultrex[®], Daconil Zn[®], Banner Maxx[®] II, Briskway[™], Renown[™], Concert[®] II, Heritage[®], Heritage Action[®], Heritage[®] TL, Headway[®], Secure[™], and Subdue MAXX[®].

Note: To improve the control of dollar spot (*Sclerotinia homoeocarpa*), apply with Daconil Action, Daconil Weatherstik[®], Daconil Ultrex[®], Banner Maxx[®] II, Concert[®] II, Secure[™], or Velista.

STORAGE AND DISPOSAL

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

Pesticide Storage: Store in a dry, cool place.

Pesticide Disposal: To avoid wastes, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

Container Handling [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 the 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 or dispose of in a sanitary landfill, or by incineration. Do not burn unless allowed by state and local ordinances.

Container Handling [greater than 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 the 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 or dispose of in a sanitary landfill, or by incineration. Do not burn unless allowed by state and local ordinances.

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

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 LUXEMBOURG-PAMOL, INC. or Seller. TO THE EXTENT PERMITTED BY APPLICABLE LAW, Buyer and User agree to hold LUXEMBOURG and Seller harmless for any claims relating to such factors.

LUXEMBOURG 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 LUXEMBOURG, and, (2) Buyer and User assume the risk of any such use. To the extent permitted by applicable law, LUXEMBOURG 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 LUXEMBOURG 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 LUXEMBOURG 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 LUXEMBOURG OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

LUXEMBOURG 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 LUXEMBOURG.

Banner Maxx[®] II, Briskway[™], Concert[®] II, Daconil Action[™], Daconil Ultrex[®], Daconil Weatherstik[®], Daconil Zn[®], Headway[®], Heritage[®], Heritage[®] TL, Heritage Action[™], Medallion[®], Renown[™], Secure[™], Subdue Maxx[®] are Trademarks of Syngenta Group Company.

Manufactured for:
Luxembourg-Pamol, Inc.
3647 Willowbend Blvd., Suite 810
Houston, TX 77054

[Base Label]

VITAL GREEN XTRA

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Potassium Phosphite*	49.41%
Other Ingredients:	50.59%
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KEEP OUT OF REACH OF CHILDREN

CAUTION

[See additional precautionary statements, first aid, and directions for use in booklet/on label]

EPA Reg. No. 42591-

EPA Est.

Net Contents: 1, 2.5, or 250 gallons

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

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

FIRST AID	
If swallowed	<ul style="list-style-type: none">•Call 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.
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.
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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 highwater mark. Do not contaminate water when cleaning equipment or disposing of equipment wash water or rinsate.

STORAGE AND DISPOSAL

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

Pesticide Storage: Store in a dry, cool place.

Pesticide Disposal: To avoid wastes, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

Container Handling [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 the 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 or dispose of in a sanitary landfill, or by incineration. Do not burn unless allowed by state and local ordinances.

Container Handling [greater than 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 the 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 or dispose of in a sanitary landfill, or by incineration. Do not burn unless allowed by state and local ordinances.

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Manufactured for:
Luxembourg-Pamol, Inc.
3647 Willowbend Blvd., Suite 810
Houston, TX 77054