

100-1451

7/16/2012

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U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Biopesticides and Pollution Prevention Division (7511P)
1200 Pennsylvania Avenue NW
Washington, DC 20460

EPA Reg. Number:
100-1451

Date of Issuance:
JUL 16 2012

Term of Issuance: **UNCONDITIONAL**

Name of Pesticide Product:
APPEAR

NOTICE OF PESTICIDE:
 Registration
 Reregistration
(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Syngenta Crop Protection, LLC
P.O. Box 18300
Greensboro, NC 27419-8300

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. 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 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 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 registration does not eliminate the need for continual reassessment of the pesticide. If the EPA determines at any time, that additional data are required to maintain in effect an existing registration, the Agency will require submission of such data under section 3(c)(2)(B) of FIFRA.

This product is registered in accordance with FIFRA section 3(c)(5) and is subject to the following terms and conditions:

1. Submit and/or cite all data required for registration of your product under FIFRA section 3(c) (5) when the Agency requires all registrants of similar products to submit such data.
2. Make the label change noted on the attached product label before this product is released for shipment.
3. Revise the EPA Registration Number on the label to read, "EPA Reg. No. 100-1451".
4. Submit two (2) copies of the final printed labeling before you release the product for shipment. Refer to the A- 79 enclosure for a further description of final printed labeling.

If these conditions are not complied with, this registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Signature of Approving Official:

[Handwritten Signature]
Daniel A. Helfgott, Acting Associate Director,
Biopesticides and Pollution Prevention Division

Date:

7/16/12

[Base Label]

Appear™

Fungicide

A systemic fungicide for the control of diseases caused by *Pythium* spp. and other pathogens on turf (except sod farms)

Active Ingredient:

Potassium Phosphite*	53.30%
Other Ingredients:	46.70%
Total:	100.00%

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

**KEEP OUT OF REACH OF CHILDREN.
CAUTION**

See additional precautionary statements and directions for use in booklet

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.

EPA Reg. No. 100-
EPA Est.

Precautionary Statements

Hazards to Humans and Domestic Animals

CAUTION

Harmful if swallowed or if 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: 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 in eyes: 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 eye. Call a poison control center or doctor for treatment advice.

If on skin or clothing: 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. For 24-Hour Medical Emergency Assistance (Human or Animal) Or Chemical Emergency Assistance (Spill, Leak, Fire or Accident) Call Syngenta at 1-800-888-8372

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 Disposal (Container sizes of 5 gallons or less): Nonrefillable container. Do not reuse or refill this container. Triple rinse (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 Disposal (Container sizes greater than 5 gallons): Nonrefillable container. Do not reuse or refill this container. Triple rinse (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. 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.

Net Contents: 1, 2.5, 250 gallons

ACCEPTED

JUL 16 2012

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

100-1451

[Booklet]

Appear™

Fungicide

A systemic fungicide for the control of diseases caused by *Pythium* spp. and other pathogens on turf (except sod farms)

Active Ingredient:

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<i>Total:</i>	100.00%

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

KEEP OUT OF REACH OF CHILDREN.

CAUTION

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

EPA Reg. No. 100-

EPA Est.

Net Contents: 1, 2.5 or 250 gallons

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 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 eye. • Call a poison control center or doctor for treatment advice.
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.	
For 24-Hour Medical Emergency Assistance (Human or Animal) Or Chemical Emergency Assistance (Spill, Leak, Fire or Accident) Call Syngenta at 1-800-888-8372	

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Hazards to Humans and Domestic Animals

CAUTION

Harmful if swallowed or if 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, 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 in. 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 cleaning equipment or 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.

GENERAL INFORMATION

Appear is a systemic product, which contains potassium phosphite (phosphonate). The phosphonic anion is effective in prevention and control of diseases caused by *Pythium*, by fungicidal activity and activation of the plants' natural resistance mechanism. Appear is intended for use as part of an Integrated Pest Management (IPM) system. When used in conjunction with good cultural management practices, and the recommended tank mixtures, and as part of a complete disease control program, Appear will control *Pythium*, summer stress and anthracnose. In order to achieve maximum results in controlling the disease, carry out spraying before the appearance of the disease or when disease is first observed. Initiate applications when environmental conditions are favorable for disease development.

MIXING AND APPLICATION INSTRUCTIONS

Apply in 1-5 gallons of water per thousand square feet. Fill spray tank halfway with clean water. Add the required amount of Appear to the tank as indicated in the table below. While agitating, add the remaining amount of water. Apply solution directly to turfgrass, 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.

COMPATIBILITY

Appear 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.

Appear 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 FOR PYTHIUM DISEASE CONTROL

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

Use Site	Disease	Rate	Application Interval	Remarks
Turf	Pythium blight	3-4 fl oz per 1000 sq ft	7-14 days	Use the low rate program when applications are started early in the season or when tank mixing multiple products under high temperatures (>90°F).
		4-6 fl oz per 1000 sq ft	14 days	Begin preventative applications when conditions first favor blight. As disease pressure increases, increase the rate of Appear®.
	Pythium root & crown rot	6-8 fl oz per 1000 sq ft	7-14 days	Best applied in combination, as shown below, in a stress decline program.
	Pythium damping	6-8 fl oz per 1000 sq ft	7-14 days	Apply to the seedbed and continue on a protective program.

- Do not apply to turf under stress or during severe weather conditions, such as very high temperatures.
- Do not mow or apply water to treated areas until the foliage is completely dry.
- Apply in a spray solution of 1 to 5 gallons per 1000 square feet.
- Do not apply above the recommended rates.
- Use a shorter spray interval and a higher rate under extra disease pressure.
- When Appear is applied to stressed turf, in combination with several products in the same spray tank, there is a risk of causing tip burn. This tip burn is more prevalent when the spray solution has a pH of 5.5 or less, and under high temperatures. The tip burn is temporary and usually disappears after 3-5 days. Use the following strategies to mitigate tip burn when using multiple product applications: 1) not mowing immediately before application, 2) spraying early in the day, 3) lightly watering before application, and 4) watering 2-4 hours after product application.

TURF TANK MIXES TO CONTROL

(1) Summer Stress Complex (*Pythium*, *Anthracnose*, and *Rhizoctonia*)

Tank-mix Appear with products registered to control this disease complex on turf (including common turfgrasses on golf courses, industrial or municipal turf areas and professional applications to residential lawns) in accordance with the most restrictive of label limitations and precautions. Do not exceed the label dosage rates. Preventive applications must be made prior to the appearance of the disease and reapplied on a 14 day interval while conditions favor the disease. Do not apply to sod farms. Do not exceed the label dosage rates. Do not mix this product with any product containing a label prohibiting such mixture.

(2) Anthracnose (*Colletotrichum graminicola*)

For improved control of anthracnose, apply Appear tank-mixed with chlorothalonil products registered for turf use on a 14-day program for use on common turfgrasses on golf courses, industrial or municipal turf areas in accordance with the most restrictive of label limitations and precautions. Start a preventative, multi-application program prior to

the appearance of the disease and when the conditions are favorable for anthracnose. Do not apply to sod farms. Do not mix this product with any product containing a label prohibiting such mixture.

Note: To improve the control of dollar spot (*Sclerotinia homoeocarpa*), tank mix with products containing propiconazole registered for turf use. Do not apply to sod farms. Do not exceed the label dosage rates. Do not mix this product with any product containing a label prohibiting such mixture.

Use the same restrictions as shown above for *Pythium* control.

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).

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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, Inc. or Seller. **TO THE EXTENT PERMITTED BY APPLICABLE LAW**, Buyer and User agree to hold SYNGENTA and Seller harmless for any claims relating to such factors.

SYNGENTA warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. To the extent permitted by applicable law: (1) this warranty does not extend to the use of the product contrary to label instructions or under conditions not reasonably foreseeable to or beyond the control of Seller or SYNGENTA, and, (2) Buyer and User assume the risk of any such use. To the extent permitted by applicable law, SYNGENTA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS WARRANTED BY THIS LABEL.

To the extent permitted by applicable law, in no event shall SYNGENTA be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF SYNGENTA AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF SYNGENTA OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

SYNGENTA and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of SYNGENTA.

Appear™ is a trademark of a Syngenta Group Company.

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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

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