



05/29/2012

 U S ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Biopesticides and Pollution Prevention Division (7511C) 1200 Pennsylvania Avenue NW Washington, DC 20460	EPA Reg Number 432-1522	Date of Issuance MAY 29 2012
	Term of Issuance	UNCONDITIONAL
	Name of Pesticide Product ES TC006A	
NOTICE OF PESTICIDE <input checked="" type="checkbox"/> Registration <input type="checkbox"/> Re-registration (under FIFRA as amended)		
Name and Address of Registrant (include ZIP Code) Bayer Crop Science 2 T W Alexander Dr Raleigh NC 27709		
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.		
<p>On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act</p> <p>Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment the Administrator on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.</p> <p>This product is unconditionally registered in accordance with FIFRA Sec 3(c)(5) provided you</p> <ol style="list-style-type: none">1 Submit and/or cite all data required for registration/ reregistration of your product under FIFRA section 3(c)(5) and section 4 when the Agency requires all registrants of similar products to submit such data2 Make the following label change before you release the product for shipment. Revise the EPA Registration Number to read EPA Reg No 432-15223 Submit three (3) copies of the revised final printed labeling before you release the product for shipment4 Submit within 1 year after the Date of Registration acceptable data packages for Guideline Studies: Storage Stability study (OPPTS GLN 830 6317) and Corrosion Characteristics study (OPTS GLN 830 6320) for this product <p>If these conditions are not complied with, the 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.</p>		
Signature of Approving Official  Keith A. Matthews Director Biopesticides and Pollution Prevention Division	Date 29 May 2012	

ES TC006A

(ABN FIATA)

A SYSTEMIC FUNGICIDE AND BOOSTER OF PLANT DEFENSE MECHANISMS THAT PROMOTES DROUGHT TOLERANCE AND HELPS CONTROL LISTED DISEASES OF TURFGRASS

ACTIVE INGREDIENT	Mono and di-potassium salts of phosphorous acid *	25 85%
OTHER INGREDIENTS		74 15%
		TOTAL 100 00%

Contains 2 64 lb active ingredient per gallon equivalent to 1 73 lb phosphorous acid per gallon (17 0% w/w)

EPA Reg No 432-XXXX

EPA Est No XXXX

KEEP OUT OF REACH OF CHILDREN

For MEDICAL and TRANSPORTATION Emergencies ONLY Call 24 Hours A Day 1-800-334-7577

For PRODUCT USE Information Call 1-866-992 2937

FIRST AID

IF SWALLOWED

- Immediately call a poison control center or doctor for treatment advice
- Do not induce vomiting unless told to do so by a poison control center or doctor
- Have person sip a glass of water if able to swallow
- Do not give anything by mouth to an unconscious person

For MEDICAL Emergencies Call 24 Hours A Day 1 800-334 7577

Have the product container or label with you when calling a poison control center or doctor or going for treatment

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Harmful if swallowed Wash thoroughly with soap and water after handling and before eating drinking chewing gum using tobacco or using the toilet

ENVIRONMENTAL HAZARDS

For Terrestrial Uses

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

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear long sleeved shirt and long pants and shoes plus socks

Follow manufacturers instructions for cleaning/maintaining personal protective equipment (PPE) If no such instructions for washables use detergent and hot water Keep and wash PPE separately from other laundry

ENGINEERING CONTROL STATEMENT

When handlers use closed systems enclosed cabs or aircraft in a manner that meets the requirements listed in the Worker Protection Standard WPS for agricultural pesticides [40 CFR 170 240 (d) (4 6)] the handler PPE requirements may be reduced or modified as specified in the WPS

ACCEPTED

MAY 29 2012

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

432-1522

User Safety Recommendations

Users should

- Wash hands before eating drinking chewing gum using tobacco or using the toilet
- Remove PPE clothing immediately if pesticide gets inside Then wash thoroughly and put on clean clothing
- Remove PPE immediately after handling this product As soon as possible wash thoroughly and change into clean clothing

DIRECTIONS FOR USE

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

Read entire label before using this product

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 agency responsible for pesticide regulation

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard 40 CFR part 170 This standard contains requirements for the protection of agricultural workers on farms forests nurseries and greenhouses and handlers of agricultural pesticides It contains requirements for training decontamination notification and emergency assistance It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted entry interval The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard

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

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated such as plants soil or water is coveralls waterproof gloves shoes plus socks and protective eyewear

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 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

Do not enter treated areas without protective clothing until sprays have dried

PLANT HEALTH RESPONSES

ES TC006A when applied at the prescribed rates and intervals promotes healthier roots and increases plant drought tolerance and improves plant water utilization This leads to a reduction in the need for hand watering and a general saving of water use The resulting improvement in function of these healthier roots leads to more efficient uptake of plant nutrients Improving cell turgidity results in a healthier and sturdier plant structure reducing the impact of traffic or mechanical damage These effects are consistent with the properties of anti oxidants A property of ES TC006A is to act as an inducer of systemic resistance in plants resulting in production of plant metabolites responsible for improving plant processes and increasing resistance to diseases

Cool season grasses such as tall fescues bluegrasses and bentgrasses are prone to damage during summer heat and summer decline leading to reduced root mass in the summer months Turf treated with ES TC006A retains turf quality through summer stress by alleviating plant stresses enhancing disease resistance through induced system resistance and protecting the plant from the adverse effects of solar radiation

Warm season grasses such as Bermudagrass and Zoysiagrass influenced by the effects of insufficient sunlight during the spring and fall are prone to losing chlorophyll and premature senescence ES TC006A reduces the negative effects on plant growth promoting earlier spring green up turf fill in and extended turf quality in the fall

GENERAL APPLICATION INSTRUCTIONS

ES TC006A must be applied as a foliar spray Apply ES TC006A with sufficient water volumes for adequate coverage of foliage according to the turf growth stage

STAINING PRECAUTION

This product may cause staining Avoid off-target sites such as sidewalks patios driveways pavers or similar materials Do not enter treated areas until spray has dried Rinse spray equipment thoroughly with warm water and detergent

MIXING INSTRUCTIONS

- 1 Fill the spray tank with 1/4 1/2 of the required volume of water before adding ES TC006A
- 2 Add ES TC006A slowly to the tank and agitate by hydraulic or mechanical means
- 3 Continue to fill the tank with water to the desired volume while agitating
- 4 Continue agitation when applying

COMPATIBILITY

ES TC006A is compatible with most products used on turf however turfgrass sensitivity to these mixtures may vary In particular certain foliar fertilizers and copper products may not be compatible with ES TC006A and the combined use may cause phytotoxicity to certain plants If these combinations or others have not been used before do not tank mix without first testing the mixture s compatibility nor apply it without assessing its safety to the turfgrass (phytotoxicity)

To determine the compatibility of ES TC006A with other products use a jar compatibility test Add the correct proportions of each product and the appropriate quantity of water to clean container thoroughly mix then let stand for 3 5 minutes If the mixture remains in solution or can be remixed readily the products are considered compatible To determine if a combination is phytotoxic to a specific turf spray a small area and then evaluate 3 7 days later for visual effects

TURF

ES TC006A is a systemic fungicide and booster of plant defense mechanisms that is used for the suppression of Pythium blight and damping off diseases of turfgrass on sod farms golf courses sport fields parks residential and commercial sites Begin preventative applications when conditions first favor disease and repeat at recommended intervals Use higher rates under severe disease conditions

DISEASE	APPLICATION METHOD	RATE	APPLICATION PROGRAM
Pythium	Foliar Spray	5 to 15 fl oz /1 000 sq ft	Apply approved amount in 1 to 5 gallons of water per 1 000 square feet Thoroughly wet the foliage Apply at 14 to 28 day intervals as needed Do not mow or irrigate treated area until sprays have completely dried

ES TC006A has a plant health component that is used for the prevention or alleviation of stress from drought solar radiation and other oxidative processes on turfgrasses on sod farms golf courses sport fields parks residential and commercial sites Begin preventative applications prior to the occurrence of adverse weather conditions or before watering restrictions are imposed and repeat at recommended intervals Use higher rates under severe drought conditions or irrigation reduction ES TC006A does not replace the use of soil amending adjuvants for soil hydrophobicity and should be used in conjunction with best turf management practices

DROUGHT TOLERANCE	APPLICATION METHOD	RATE	APPLICATION PROGRAM
Irrigation reduction of 20 to 50% or during periods of low rainfall for up to 4 to 9 weeks	Foliar Spray	5 to 15 fl oz /1 000 sq ft	Apply approved amount in 1 to 5 gallons of water per 1 000 square feet Thoroughly wet the foliage Apply at 14 to 28 day intervals as needed to fairway or lawn height cut turf Do not mow or irrigate treated area until sprays have completely dried

STORAGE AND DISPOSAL

Do not contaminate water food or feed by storage or disposal

PESTICIDE STORAGE

Keep this product in containers stored upright and secured with the original closure Do not store this product near heat sources If transfer to another container becomes necessary ensure that the container is clearly labeled the container is a type suitable for the product and is clean and free of other materials

PESTICIDE DISPOSAL

Improper disposal of excess pesticide spray mixture or rinsate is a violation of Federal Law If these wastes cannot be disposed of by use according to label instructions contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance

CONTAINER DISPOSAL

Rigid Non refillable containers less than 5 gallons

Non refillable container Do not reuse or refill this container Triple rinse container (or equivalent) promptly after emptying Triple rinse as follows Empty the remaining contents into application equipment or a mix tank 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 Offer for recycling if available or reconditioning or puncture and dispose of in a sanitary landfill or by incineration or if allowed by State and local authorities by burning If burned stay out of smoke

Rigid Non refillable containers that are too large to shake (i.e. with capacities greater than 5 gallons or 50 lbs)

Non refillable containers Do not reuse or refill this container Refer to Bottom Discharge IBC or Top Discharge IBC Drums Kegs information as follows

Bottom Discharge IBC (e.g. – Schuetz Caged IBC or Snyder Square Stackable)

Pressure rinsing the container before final disposal is the responsibility of the person disposing of the container To pressure rinse the container before final disposal empty the remaining contents from the IBC into application equipment or mix tank Raise the bottom of the IBC by 15 inches on the side which is opposite of the bottom discharge valve to promote more complete product removal Completely remove the top lid of the IBC Use water pressurized to at least 40 PSI to rinse all interior portions Continuously pump or drain rinsate into application equipment or rinsate collection system while pressure rinsing Continue pressure rinsing for 2 minutes or until rinsate becomes clear Replace the lid and close bottom valve

Top Discharge IBC Drums Kegs (e.g. – Snyder 120 Next Gen Bonar B120 Drums Kegs)

Triple rinsing the container before final disposal is the responsibility of the person disposing of the container To triple rinse the container before final disposal empty the remaining contents from this container into application equipment or mix tank Fill the container at least 10 percent full with water Agitate vigorously or recirculate water with the pump for 2 minutes Rinse all interior surfaces Pour or pump rinsate into application equipment or rinsate collection system Repeat this procedure two more times

Once container is rinsed offer for recycling if available or puncture and dispose of in a sanitary landfill or by incineration

IMPORTANT READ BEFORE USE

Read the entire Directions for Use Conditions Disclaimer of Warranties and Limitations of Liability before using this product If terms are not acceptable return the unopened product container at once

By using this product user or buyer accepts the following Conditions Disclaimer of Warranties and Limitations of Liability

CONDITIONS The directions for use of this product are believed to be adequate and should 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 Bayer CropScience All such risks shall be assumed by the user or buyer

DISCLAIMER OF WARRANTIES BAYER CROPSCIENCE MAKES NO OTHER WARRANTIES EXPRESS OR IMPLIED OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL No agent of BAYER CROPSCIENCE is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein BAYER CROPSCIENCE DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT

LIMITATIONS OF LIABILITY THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT WHETHER IN CONTRACT WARRANTY TORT NEGLIGENCE STRICT LIABILITY OR OTHERWISE SHALL NOT EXCEED THE PURCHASE PRICE PAID OR AT BAYER CROPSCIENCE'S ELECTION THE REPLACEMENT OF PRODUCT

APPENDIX Optional Marketing Claims

Better drought tolerance
 Improved water utilization
 Saves water expenses
 Reduce need for hand watering
 Retain turf quality through summer stress
 Reduces plant stress thus requiring less watering
 Reduce afternoon syringing [note syringing is a light application of water to turf foliage]
 Enhanced disease resistance from a healthier root system
 Provides enhanced plant health to minimize water uptake requirements
 Drought stress protection
 Water optimizing formula
 Innovative formula reduces water needs
 Turf grass exits dormancy for faster green up
 Provides more efficient root uptake of surrounding soil moisture
 Reduce irrigation budget by [XX]%
 Reduce cost of watering by [XX]%
 Reduce irrigation needs by [XX]%
 Greener lawn with [XX]% water requirements
 Cut your water bill [XX %]

BATH CODE _____

NET CONTENTS [Various (1 gal to 50 gal)]

PRODUCED FOR

Bayer CropScience LP
[Bayer Environmental Science Division]
2 TW Alexander Drive
Research Triangle Park NC 27709

ES TC006A (PENDING) Submitted 10/31/11 Resubmitted 05/23/2012