

100-1255

10/17/2008

1/10

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OCT 17 2008



Office of Pesticide Programs

Syngenta Crop Protection, Inc.
P.O. Box 18300
Greensboro, N.C. 37419

Attention: Betty Brame
Regulatory Specialist

Subject: DIFENO-SHIELD™
EPA Registration No. 100-1255
Notification Dated September 17, 2008

This will acknowledge receipt of your notification for the addition of three package size (5, 55 and 250 gallons net contents sizes) and also bulk and minibulk container disposal language were added in the Storage and Disposal section, submitted under the provisions of FIFRA Section 3(c)(9). Based on a review of the submitted material, the following comments apply.


The Notification dated September 17, 2008 is in compliance with PR Notice 98-10 and is acceptable. This information has been added to your file.

If you have any questions concerning this letter, please contact Martha Terry at (703) 308-6217.

Sincerely,

A handwritten signature in cursive script, appearing to read "Marshall Swindell".

Marshall Swindell
Product Manager (33)
Regulatory Management Branch 1
Antimicrobials Division (7510P)

 <p>United States Environmental Protection Agency Washington, DC 20460</p>	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other	OPP Identifier Number
--	--	-----------------------

Application for Pesticide - Section I

1. Company/Product Number 100-1255	2. EPA Product Manager Marshall Swindell	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Difeno-Shield™	PM# 33	
5. Name and Address of Applicant (Include ZIP Code) Syngenta Crop Protection, Inc. P. O. Box 18300 Greensboro, NC 27419 <input type="checkbox"/> Check if this is a new address		6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____

Section - II


<input type="checkbox"/> Amendment - Explain below.	<input checked="" type="checkbox"/> Final printed labels in response to Agency letter dated <u>January 31, 2007</u>
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For Section I and Section II.)
 This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.
 Per PR Notice 98-10, Syngenta Crop Protection, Inc. is providing a Notification and three copies of the Difeno-Shield label indicating an addition of three package sizes. In the three enclosed copies of the label we have highlighted the 5, 55 and 250 gallons net contents sizes and also in the Storage and Disposal section we have added bulk and minibulk container disposal language. These are the only changes made to this label.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
*Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per Container	If "Yes" Unit Packaging wgt.	No. per container
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 5, 55, and 250 gallons		5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled				<input checked="" type="checkbox"/> Other <u>Pressure Sensitive</u>	

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Betty Brame	Title Regulatory Specialist	Telephone No. (Include Area Code) 336-632-7466
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title Regulatory Specialist	
4. Typed Name Betty Brame	5. Date September 17, 2008	

FIRST AID	
If inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or ambulances, then give artificial respiration, preferably mouth-to-mouth if possible. • Call a poison control center or doctor for further treatment advice.
If in eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly. • Remove contact lenses, if present, after the first five 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.	
HOTLINE NUMBER For 24-Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance (Spill, Leak, Fire, or Accident) Call 1-800-888-8372	

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION

Causes moderate eye irritation. Harmful if absorbed through the skin or inhaled. Avoid contact with eyes, skin, or clothing. Avoid breathing vapor or spray mist. Remove contaminated clothing and wash clothing before reuse.

Applicator and other handlers must wear:

- Long-sleeved shirts and long pants
- Chemical-resistant gloves made of any waterproof material; such as polyvinyl chloride, nitrile rubber or butyl rubber.
- Shoes plus socks

Environmental Hazards

This product is toxic to fish and aquatic invertebrates. 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 equipment wash water or rinsates.

6/14

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 should be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, 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. All such risks shall be assumed by Buyer and User, and 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. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or SYNGENTA, and Buyer and User assume the risk of any such use. SYNGENTA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

In no event shall SYNGENTA or Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. 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.

DIRECTIONS FOR USE

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

GENERAL INFORMATION

Difeno-Shield is a fungistatic agent that controls and/or inhibits the growth of many fungi associated with odor, staining and discoloration. Difeno-Shield can be applied to paper, wallboard, paint, coatings, caulks, sealants, adhesives, textiles and plastic. It provides an invisible barrier to inhibit the fungal organisms associated with mold and mildew that cause odor, staining and discoloration. Difeno-Shield is not intended to protect users or others against food-borne or disease causing organisms. Difeno-Shield is not for use in food or feed handling areas.

SPECIFIC USE DIRECTIONS

Restriction: This product may not be used for post-manufacture application to any of the use items included on this label.

PAPER USED IN CONSTRUCTION AND BUILDING MATERIALS, WALLBOARD (DRY WALL AND GYPSUM BOARD) AND PAPERBOARD PRODUCTS

Difeno-Shield can be added any time during the formulation procedure to components of drywall. Difeno-Shield can be added to the white water at rates of 0.30 to 1.22 pounds product (0.1 to 0.4 pounds active ingredient) per ton of dry fiber. Applications can also be made at the size press or water box at a rate of 0.30 to 1.22 pounds product (0.1 to 0.4 pounds active ingredient) per ton of dry paper. Difeno-Shield should be applied with thorough agitation. Difeno-Shield may be applied to the gypsum core to inhibit the growth of fungi. Apply 0.15 to 1.83 pounds product (0.05 to 0.6 pounds of active ingredient) per 1000 pounds of formulation, i.e. wet slurry.

CEILING TILES

To inhibit the growth of fungi in ceiling tiles and in mineral-based building materials used in the manufacture of ceilings, add 0.30 to 1.22 pounds product (0.1 to 0.4 pounds active ingredient) per ton of dry fiber. Difeno-Shield can be added at any time during the formulation procedure.

8/14

PAINT – WATER AND OIL BASED

Difeno-Shield provides dry film protection of fungal molds and mildews in water and oil based paints films. Rates of Difeno-Shield in paints are dependent on the individual formulation and the expected severity of exposure conditions. The use rate is 0.03 percent product (0.01 percent active) by weight of paint. Testing should be done to confirm compatibility of Difeno-Shield with specific paint products.

LATEX CAULKS, SEALANTS, ADHESIVES AND BINDERS

Difeno-Shield will control fungal molds and mildews that cause discoloration and loss of adhesive properties. Difeno-Shield can be applied to gypsum wallboard and joint compounds, ceramic tile adhesives, adhesives for wall covering, adhesive emulsions, acrylic, polyvinyl acrylic and silicone based interior and exterior sealants, carpet backing and adhesives and air filter binders. Sufficient mixing to ensure adequate dispersion is required. To inhibit fungal disfigurement and deterioration Difeno-Shield should be applied at levels between 0.03 and 0.24 percent product (0.01 and 0.08 percent active ingredient) by weight. Difeno-Shield cannot be used in food grade coatings, adhesives paper and paperboard, which will come into contact with food.

MANUFACTURE OF NATURAL AND SYNTHETIC FIBERS - TEXTILES, FABRICS, CANVAS AND CORDAGE

Difeno-Shield will control molds and mildew that cause odor and stain on products such as canvas, cordage, filters, shower curtains and drapes. Difeno-Shield also protects building materials such as awning, boat covers, carpet backing, cordage, tents, tarpaulins and wall-covering yarn. Difeno-Shield may be applied at rates from 0.03 to 0.15 percent product (0.01 to 0.05 percent active ingredient) by finished fabric weight.

MANUFACTURE OF RUBBER AND PLASTIC PRODUCTS

Difeno-Shield will control molds and mildew on rubber and plastic products such as curtains, bath mats, and thermoplastic rubber. Difeno-Shield may be applied at rates from 0.03 to 0.15 percent product (0.01 to 0.05 percent active ingredient) by finished weight. The temperature stability of Difeno-Shield may be influenced by the choice of heat stabilizer and plasticizer in the formulation. Testing should be done to confirm compatibility of Difeno-Shield with specific rubber or plastic products.

POST-MANUFACTURING USE DIRECTIONS

This product is intended for use by commercial service providers only. This product is not intended for application by homeowners. For use in commercial applications in homes, vehicles, institutions such as schools, public buildings, daycare centers, hospitals, nursing homes, churches, and correctional facilities; and commercial buildings such as transportation terminals, warehouses, office buildings, manufacturing facilities, lodging establishments, retail businesses and athletic/recreational facilities.

Do not use Difeno-Shield in areas of facilities where food can be held, processed, prepared, or consumed.

Water Damage Remediation, Cleanup and Mold Prevention

Strategies to respond to water damage within 24-48 hours are a key part of a mold prevention program. It is very important to avoid the need for remediation of mold growth by taking quick action before growth starts. Use professional judgment, consult with local experts and/or refer to EPA guidance documents such as "*Mold Remediation in Schools and Commercial Buildings*", www.epa.gov/mold/moldresources.html for more information on how to cleanup after water damage.

If mold or mildew is present follow the Mold Remediation Methods section of this label before treating.

SPRAYING AND MIXING

Prior to application, thoroughly clean surfaces to remove loose existing dirt. Follow specific directions for surfaces listed on this label.

Prepare a solution by adding the required amount of Difeno-Shield to $\frac{1}{2}$ the final volume of water in the spray container, mix thoroughly, and add the remaining $\frac{1}{2}$ volume of water to the container. Prepare no more mixture than is necessary for the immediate use.

To prepare the spray solution, add 0.5 oz. (1 tablespoon or 3 tsp or 15 ml) of Difeno-Shield to 1 gallon of water (0.4%) and mix thoroughly. Apply 1 gallon of solution per 250 to 800 square feet of application surface. See detailed instructions for each surface type. Volumes of water should be adjusted to deliver the proper amount of water for treatment of the surfaces listed below without excessive wetting or soaking. Conduct trial application with water alone to determine appropriate volume. During application, do not allow excessive soaking, saturation, dripping or run-off to occur. Evenly apply to the surfaces listed below.

Apply as needed for prevention of molds and mildews that cause odors, discoloration or staining, but do not exceed 4 applications per year to the same surface or area. Make applications as part of a routine cleaning program or immediately following remediation.

If the application is made in a large volume of water in enclosed spaces, that area should be dried as soon as possible to prevent conditions favorable to mold growth. To assist the drying process after cleaning, remediation or application of this product use of fans, dehumidifiers, heaters or other methods of ventilation are encouraged. Please consult with your local county extension office or EPA, www.epa.gov/mold/moldresources.html for more information.

KEEP CHILDREN, PETS AND BUILDING OCCUPANTS AWAY FROM TREATED AREAS/SURFACES UNTIL SPRAY HAS DRIED FOLLOWING THE APPLICATION.

Specific Directions for Various Surfaces

Wood and Drywall:

To prepare the spray solution, add 0.5 oz. (1 tablespoon or 3 tsp or 15 ml) of Difeno-Shield to 1 gallon of water (0.4%) and mix thoroughly. Apply 1 gallon of solution per 250 to 800 square feet of application surface. Apply to exposed and/or structural wood surfaces and drywall to prevent and control mold and mildew. Examples include exterior decking and exposed joists or subflooring in basements, crawlspaces, attics and garages, as well as exposed drywall or particleboard in same or similar areas. Heavily soiled areas must be precleaned prior to application. NOT for use in areas where food/feed items are present. Use a pump sprayer with wand. Hold the end of the wand 4-6 inches from the surface, using smooth back and forth motions to cover the entire target area to ensure complete coverage, dampen but do not soak surface. If soaking or drips do occur, blot dry with a disposable cloth or sponge. Allow areas to dry before re-entry.

Dry wood and drywall within 24 hours to prevent conditions favorable to mold growth. To assist the drying process after cleaning, remediation or application of this product use of fans, dehumidifiers, heaters or other methods of ventilation are encouraged. Please consult with your local county extension office or EPA, www.epa.gov/mold/moldresources.html for more information.

Other Hard, Non-Porous Surfaces:

This product inhibits the growth of molds and mildews that cause odor, staining and discoloration in bathrooms, restrooms, garbage storage areas, and basements. To prepare the spray solution, add 0.5 oz. (1 tablespoon or 3 tsp or 15 ml) of Difeno-Shield to 1 gallon of water (0.4%) and mix thoroughly. Apply 1 gallon of solution per 250 to 800 square feet of application surface. Use Difeno-Shield in a pump sprayer as a spot treatment to treat the following surfaces in bathrooms and restrooms: floors, walls, painted surfaces, metal surfaces, stainless steel surfaces, glazed ceramic tile, glazed porcelain, fiberglass (e.g. bathtubs and shower stalls), plastic surfaces, vinyl surfaces; as well as Formica, granite, marble, or other polished stone surfaces. Spot test on an inconspicuous area before use. Remove visible dirt or soil prior to application. Use a pump sprayer with wand. Hold the end of the wand 4-6 inches from the surface, using smooth back and forth motions to cover the entire target area to ensure complete coverage, dampen but do not saturate surface. If drips do occur, dry with a disposable cloth, sponge or mop. Allow areas to dry before re-entry.

MOLD REMEDIATION METHODS:

To use this product in a remediation situation please follow the cleanup instructions for the surface affected that follow. After remediation is complete follow the directions for use. Remediation of moldy carpet is not recommended,

Small Areas – Total Surface Affected is Less than 10 Square Feet

Wood Surfaces

Cleanup Methods*

Prior to applying Difeno-Shield, clean the affected area using one of the following or another preferred professional method.

- Method 1: Wet vacuum (in the case of porous materials, some mold spores/fragments will remain in the material but will not grow if the material is completely dried).
- Method 2: Damp-wipe surfaces with plain water or use a wood floor cleaner; scrub as needed.
- Method 3: High-efficiency particulate air (HEPA) vacuum after the material has been thoroughly dried. Dispose of the contents of the HEPA vacuum in a well-sealed plastic bag(s).

Minimum personal protective equipment to be worn during cleanup includes gloves, N-95 respirator and goggles/eye protection.

Wallboard (Drywall and Gypsum Board)

Cleanup Methods*

Prior to applying Difeno-Shield, clean affected area using a HEPA vacuum after the material has been thoroughly dried. Dispose of the contents of the HEPA vacuum in a well-sealed plastic bag(s).

Minimum personal protective equipment to be worn during cleanup includes gloves, N-95 respirator and goggles/eye protection.

Medium Areas – Total Surface Affected is between 10 and 100 Square Feet

Containment of Affected Materials

Use polyethylene sheeting ceiling to floor around affected area with a slit entry and covering flap; maintain area under negative pressure with HEPA filtered fan unit. Block supply and return air vents within containment area.

Wood Surfaces

Cleanup Methods*

Prior to applying Difeno-Shield, clean the affected area using one of the following or another preferred professional method.

- Method 1: Wet vacuum (in the case of porous materials, some mold spores/fragments will remain in the material but will not grow if the material is completely dried).
- Method 2: Damp-wipe surfaces with plain water or use a wood floor cleaner; scrub as needed.
- Method 3: High-efficiency particulate air (HEPA) vacuum after the material has been thoroughly dried. Dispose of the contents of the HEPA vacuum in a well-sealed plastic bag(s).

Wallboard (Drywall and Gypsum Board)

Cleanup Methods*

- Method 1: HEPA vacuum after the material has been thoroughly dried. Dispose of the contents of the HEPA vacuum in a well-sealed plastic bag(s).
- Method 2: Discard/remove water-damaged materials and seal in plastic bags while inside of containment, if present. Dispose of as normal waste. HEPA vacuum area after it is dried.

Limited or Full personal protective equipment is recommended during cleanup. Limited personal protective equipment includes gloves, N-95 respirator or half-face respirator with HEPA filter.

Use professional judgment, consider potential for remediator exposure and size of contaminated area.

Large Areas – Total Surface Affected is Greater than 100 Square Feet or Potential for Increased Occupant or Remediator Exposure during Remediation is Estimated to be Significant

Containment of Affected Materials

Use two layers of fire-retardant polyethylene sheeting with one airlock chamber. Maintain area under negative pressure with HEPA filtered fan exhausted outside of building. Block supply and return air vents within containment area.

Wood Surfaces

Cleanup Methods*

Prior to applying Difeno-Shield, clean the affected area using one of the following or another preferred professional method.

- Method 1: Wet vacuum (in the case of porous materials, some mold spores/fragments will remain in the material but will not grow if the material is completely dried).
- Method 2: Damp-wipe surfaces with plain water or use a wood floor cleaner; scrub as needed.
- Method 3: High-efficiency particulate air (HEPA) vacuum after the material has been thoroughly dried. Dispose of the contents of the HEPA vacuum in a well-sealed plastic bag(s).
- Method 4: Discard/remove water-damaged materials and seal in plastic bags while inside of containment, if present. Dispose of as normal waste. HEPA vacuum area after it is dried.

Wallboard (Drywall and Gypsum Board)

Cleanup Methods*

- Method 1: HEPA vacuum after the material has been thoroughly dried. Dispose of the contents of the HEPA vacuum in a well-sealed plastic bag(s).
- Method 2: Discard/remove water-damaged materials and seal in plastic bags while inside of containment, if present. Dispose of as normal waste. HEPA vacuum area after it is dried.

Limited or Full personal protective equipment is recommended during cleanup. Limited personal protective equipment includes gloves, N-95 respirator or half-face respirator with HEPA filter.

Use professional judgment, consider potential for remediator exposure and size of contaminated area.

***Special Procedures:**

In the absence of access to the guidance and standard identified, the user should refer to the following information taken from the U.S. EPA's guide: "*Mold Remediation in Schools and Commercial Buildings (March 2001)*". These guidelines are designed to protect the health of occupants and cleanup personnel during remediation. These guidelines are based on the area and type of material affected by water damage and/or mold growth. Please note that these are guidelines; some professionals may prefer other cleaning methods. Use the appropriate remediation steps prior to application of Difeno-Shield.

STORAGE AND DISPOSAL

Prohibitions

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

Pesticide Storage

Store in original containers only. Keep container tightly closed when not in use. Store in a secure area inaccessible to children and away from food or feed. In case of spill on floor or paved surfaces, mop and remove to chemical waste storage area until proper disposal can be made if product cannot be used according to the label.

Pesticide Disposal

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

Container Disposal

Triple rinse (or equivalent); then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures allowed by state and local authorities.

FOR BULK AND MINIBULK CONTAINERS:

Container Disposal

Reseal container and offer for reconditioning, or triple rinse (or equivalent) and offer for recycling or reconditioning, or clean in accordance with manufacturer's instructions.

DO NOT USE CONTAINER FOR FOOD, FEED, OR DRINKING WATER.

Difeno-Shield™ and the Syngenta logo are trademarks of a Syngenta Group Company

©200X Syngenta

For non-emergency (e.g. current product information) call
Syngenta Crop Protection at 1-800-334-9481.

Syngenta Crop Protection, Inc.
Greensboro, North Carolina 27409
www.syngenta-us.com

SCP 1255

Difeno-Shield Notif 0908 - bb - 9-17-08

1-800-334-9481
www.syngenta-us.com
©200X Syngenta