

66330-56

9/16/2008

10/12



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

September 16, 2008

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

Bill Washburn  
Regulatory Manager  
Arysta LifeScience North America Corp.  
15401 Weston Parkway, Suite 150  
Cary, NC 27513

Subject: Product Name: Endorse Water Dispersible Granules  
EPA Reg. No: 66330-56  
Application for Label Notification Dated July 7, 2008, to Add  
Ornamental Pests to Label and Update Container Disposal  
Language Per PR Notice 2007-4

Dear Mr. Washburn:

The Biopesticides and Pollution Prevention Division is in receipt of your application for Notification under 98-10 dated above. A preliminary screen of this request has been conducted for its applicability under PRN 98-10 and it has been determined that the action(s) requested falls within the scope of PRN 98-10. Our records have been duly noted, and the label submitted with this application has been stamped "Notification, received and reviewed" and will be placed accordingly in our records.

Questions concerning this action should be directed to Ms. Diana Hudson at (703) 308-8713 or email at [HUDSON.DIANA@EPA.GOV](mailto:HUDSON.DIANA@EPA.GOV).

Sincerely,

*Linda Hollis*

Linda Hollis, Chief  
Biochemical Pesticides Branch  
Biopesticides and Pollution Prevention  
Division (7511P)

20912

Please read instructions on reverse before completing form.

Form Approved, OMB No. 2070-0060, Approval expires 05-31-98

 <b>EPA</b> United States <b>Environmental Protection Agency</b> Washington, DC 20460	<input type="checkbox"/> <b>Registration</b> <input type="checkbox"/> <b>Amendment</b> <input type="checkbox"/> <b>Other:</b>	OPP Identifier Number
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**Application for Pesticide - Section I**

1. Company/Product Number <b>66330-56</b>	2. EPA Product Manager <b>Linda Hollis</b>	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) <b>Endorse Water Dispersible Granule</b>	PM# <b>BPPD</b>	
5. Name and Address of Applicant (Include ZIP Code) <b>Arysta LifeScience North America Corporation</b> <b>15401 Weston Parkway, Suite 150</b> <b>Cary, NC 27513</b>  <input type="checkbox"/> Check if this is a new address		6. <b>Expedited Review.</b> In accordance with FIFRA Section 3(c)(3) (b)(I), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ <b>NOTIFICATION</b> Product Name _____ <b>Date Reviewed: 9-16-08</b> <b>Reviewed By: D. Hudson</b>

**Section - II**

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<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.)

Notification of addition of ornamental pests per PR Notice 98-10 and addition of PR Notice 2007-4 language. 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 USC 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 may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

**Section - III**

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No If "Yes" Unit Packaging wgt.    No. per container	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No If "Yes" Package wgt.    No. per container	<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify)		
*Certification must be submitted					
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input 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"/> Other _____ <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled					

**Section - IV**

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application)

Name <b>Bill Washburn</b>	Title <b>Regulatory Manager</b>	Telephone No. (Include Area Code) <b>901-432-5118</b>
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**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 <b>(Stamped)</b>
2. Signature <i>Bill Washburn</i>	3. Title <b>Regulatory Manager</b>	
4. Typed Name <b>Bill Washburn</b>	5. Date <b>July 7, 2008</b>	



July 7, 2008

MS Linda Hollis  
Document Processing Desk (NOTIF)  
Office of Pesticide Programs – 7504P  
U.S. Environmental Protection Agency  
One Potomac Yard, Room S-4900  
2777 South Crystal Drive  
Arlington, VA 22202

**Subject: Endorse Water Dispersible Granules  
EPA Reg. No. 66330-56**

***Notification of Addition of Ornamental Pests and  
PR Notice 2007-4 Language***

Dear Ms. Hollis:

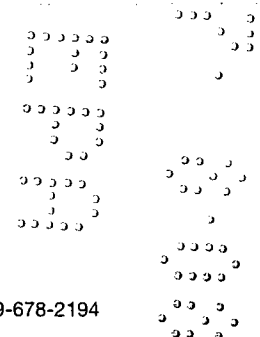
Please find enclosed the following documents in support of the subject notification:

**1. EPA Form 8570-1 (Application for Registration Amendment)**

One copy of EPA Form 8570-1 (*Application for Registration Other*) dated July 7, 2008 is enclosed. The application is for a notification to add ornamental pests and update the label for PR Notice 2007-4 .

**2. Labels for Endorse Water Dispersible Granule**

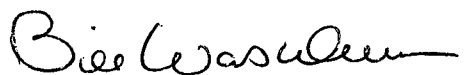
Two copies. One highlighted copy (**filename: 066330-00056.20080707.Nortification Strikeout.pdf**) showing the pests added to the ornamental section and the PR Notice 2007-4 language added to the Storage and Disposal section of the label. One clean copy (**filename: 066330-00056.20080707.Nortification Clean.pdf**) for your files.



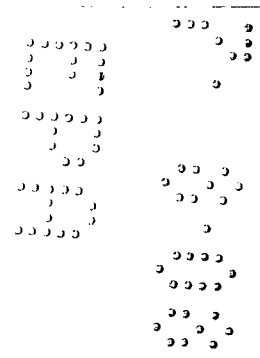
This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 USC Sec 1001 to willfully make any false 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 may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Please acknowledge acceptance of this notification by stamping the extra copy of this letter and returning in the enclosed self-addressed stamped envelope. Should you have any questions or comments, please do not hesitate to contact me at 901-432-5118 or by e-mail at [bill.washburn@arystalifescience.com](mailto:bill.washburn@arystalifescience.com)

Sincerely,



Bill Washburn  
Regulatory Manager



Clean copy 5 of 12

**NOTIFICATION**

Date Reviewed: 9-16-08  
Reviewed By: D. Hudson

**ENDORSE® Water Dispersible Granules**

**For use on Turf and Ornamentals**

<b>GROUP</b>	<b>19</b>	<b>FUNGICIDE</b>
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**ACTIVE INGREDIENT:**

Polyoxin D zinc salt .....	11.3%
OTHER INGREDIENTS: .....	88.7%
TOTAL.....	100.0%

**KEEP OUT OF REACH OF CHILDREN**

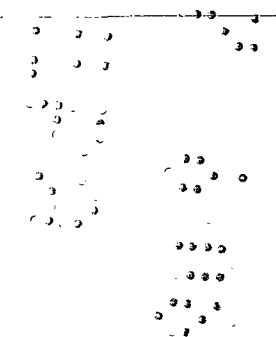
**CAUTION**

**SEE SIDE/BACK PANEL FOR FIRST AID AND ADDITIONAL PRECAUTIONARY STATEMENTS.**

**For Product Information Call 1-866-761-9397**

**EPA Reg. No.** 66330-56 \_\_\_\_\_  
**EPA Est. No.** \_\_\_\_\_  
**Net Content:** 1 lb  
2 lbs 6.4 oz (2.4 lb)

**Produced for:**  
Arysta LifeScience North America Corporation  
15401 Weston Parkway, Suite 150  
Cary, NC 27513



<b>FIRST AID</b>	
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Call poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment.</p>	
<p><b>FOR 24-HOUR EMERGENCY MEDICAL ASSISTANCE: CALL PROSAR 1-866-303-6952</b></p>	

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION**

Harmful if absorbed through the skin, swallowed or inhaled. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Avoid breathing dust or spray mist. Wash thoroughly with soap and water after handling. Remove and wash contaminated clothing before reuse.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

All mixers, loaders, applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Socks
- Shoes
- Chemical-Resistant gloves made of any waterproof material

**User safety requirement**

Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables are available, use detergent and hot water. Keep and wash PPE separately from other laundry.

**User safety Recommendations**

- Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Users should 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**

This pesticide is moderately toxic to aquatic invertebrates and fish. 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. Do not allow runoff into lakes, streams, ponds or public waterways. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

Granules exposed on soil surface may be hazardous to fish and aquatic invertebrates. Collect granules spilled during loading.

Observe the most restrictive of the labeling limitations and precautions of all products used in mixtures.

**DIRECTIONS FOR USE**

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

For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation.

**AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and 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 on this label about personal protective equipment (PPE), notification to workers, 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 entry into treated areas during the restricted entry interval (REI) of 4 hours unless wearing appropriate PPE.

PPE required for early entry into 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, socks, shoes, chemical resistant gloves made of waterproof material.

**NON-AGRICULTURAL USE REQUIREMENTS**

The requirements in the 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. Keep children and pets out of treated area until sprays have dried.

**GENERAL INFORMATION**

ENDORSE Water Dispersible Granules is for use in controlling or suppressing certain diseases on ornamentals, golf courses, residential lawns, parks, and commercial and institutional grounds composed of cool and warm season grasses such as Bluegrass, Bentgrass, Fescue, Ryegrass, Zoysiagrass, or their mixtures.

Apply ENDORSE Water Dispersible Granules as a preventive or curative treatment in conjunction with good turf and ornamental management practices.

**RESISTANCE MANAGEMENT RECOMMENDATIONS**

ENDORSE Water Dispersible Granules contains a Group 19 fungicide. Fungal isolates with acquired resistance to Group 19 may eventually dominate the fungal population if Group 19 fungicides are used repeatedly in the same field or in successive years as the primary method of control for targeted species. This may result in partial or total loss of control of those species by ENDORSE Water Dispersible Granules or other Group 19 Fungicides.

To delay fungicide resistance, consider:

- Avoiding the consecutive use of ENDORSE Water Dispersible Granules or other target site of action Group 19 fungicides that have a similar target site of action, on the same pathogens.
- Using tank-mixtures or premixes with fungicides from different target site of action Groups as long as the involved products are all registered for the same use and are both effective at the tank mix or prepack rate on the pathogen(s) of concern.
- Basing fungicide use on a comprehensive IPM program.
- Monitoring treated fungal populations for loss of field efficacy.
- Contacting your local extension specialist, certified crop advisors, and/or



manufacturer for fungicide resistance management and/or IPM recommendations for specific crops and resistant pathogens.

### **MIXING AND APPLICATION**

When diseases not specified on this label are present or expected, it is appropriate to mix ENDORSE Water Dispersible Granules with appropriately labeled fungicides. When tank mixing ENDORSE Water Dispersible Granules with other products, observe all precautions and limitations on each separate product label. It is always advisable to conduct a tank mix 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, 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 required ingredients to the spray tank. To assess the potential for phytotoxicity, test tank mixtures on a small number of plants prior to more widespread application.

Do not apply this product through any type of irrigation system.

Mixing instructions for ENDORSE Water Dispersible Granules:

- Fill spray tank with water to  $\frac{1}{2}$  of the intended final volume.
- Start spray tank agitation.
- Add the appropriate amount of product to the tank according to the rates in the following tables. Follow the directions above for mixing other products in the spray tank.
- Agitate to ensure thorough mixing while adding the remaining required water.
- DO NOT allow the spray mixture to stand without agitation.

Mix only the amount of spray solution needed to treat the desired area.

For optimum control of labeled diseases, apply ENDORSE Water Dispersible Granules with sufficient water to provide a thorough coverage.

With the exception for treatment of Fairy Ring, irrigation or rainfall soon after treatment with ENDORSE Water Dispersible Granules will decrease disease control. For best control, do not irrigate for 12 hours after treatment.

TURF GRASSES		
Disease	Rate	Application Notes
*Brown Patch *Large Patch (ALL STATES)	2.4 lbs /acre (0.27 lb ai/acre in a minimum of 88 gallons of water)	<ul style="list-style-type: none"> <li>Repeat treatment on a 7-14 day schedule where environmental conditions are conducive to development of diseases.<sup>1</sup></li> <li>When symptoms are present, best control will be achieved by using a shorter interval.</li> <li>For best results apply after mowing.</li> </ul>
**Cool Weather Brown Patch (Yellow Patch) ( <i>Rhizoctonia cerealis</i> ) **Foliar and Basal Anthracnose ( <i>Collectotrichum graminicola</i> ) **Gray Snow Mold ( <i>Typhula ishikariensis</i> and <i>Typhula incarnate</i> ) **Leaf Spot/Melting Out ( <i>Dreschlera poae</i> ) **Pink Snow Mold ( <i>Microdochium solani</i> ) **Red Thread ( <i>Laetisaria fuciformis</i> ) **Rhizoctonia Damping Off ( <i>Rhizoctonia solani</i> ) **Zoysia Patch ( <i>Rhizoctonia solani</i> ) (EXCEPT CALIFORNIA.)		
***Gray Leaf Spot ( <i>Pyricularia grisea</i> ). EXCEPT CALIFORNIA.		
****Fairy Ring (including <i>Marasmius</i> spp., <i>Lepiota</i> , spp. and <i>Agarius</i> spp.) (ALL STATES)	1 oz/1000 square feet in minimum of 2 gallons of water (0.27 lb ai/acre in 88 gallons of water)	<ul style="list-style-type: none"> <li>Make two-three applications on a 7-day interval schedule.</li> <li>Use a penetrating wetting agent.</li> <li>Immediately following application, water in the treatment with sufficient irrigation (0.5-1") to wet the active root zone.</li> </ul>
<p>Notes:</p> <ul style="list-style-type: none"> <li>Control</li> <li>** Aids in control</li> <li>*** Aids in suppression</li> <li>****Suppression and short term control</li> <li><sup>1</sup>Consult your local extension agent or local recommendations for information relating to proper timing for control of these diseases.</li> <li>Use in alternation with fungicides that have different modes of action.</li> </ul>		

ORNAMENTALS		
Foliar Diseases	Rate	Application Notes
Anthracnose ( <i>Colletotrichum</i> ) * <i>Botrytis</i> blight ( <i>Botrytis cinerea</i> ) Curvularia Downy Mildew <i>Pernospora</i> sp. <i>Plasmopara</i> sp. Powdery Mildew <i>Oidium</i> sp. <i>Erysiphe</i> sp. <i>Sphaerotheca</i> sp. Rhizoctonia aerial blight ( <i>Rhizoctonia solani</i> )	0.25 – 0.5 lb/100 gal/acre 0.03 – 0.06 lb ai/100 gal/acre	<ul style="list-style-type: none"> <li>• Apply as a foliar spray every 7 – 10 days.</li> <li>• Apply prior to disease development and when conditions are conducive to disease development.<sup>1</sup></li> </ul>
* <i>Alternaria</i> blight ( <i>Alternaria panax</i> )  Apple scab ( <i>Venturia inequalis</i> )	0.5 lb/100 gal 0.06 lb ai/100 gal/acre	
Root and Crown Diseases	Rate	Application Notes
* <i>Rhizoctonia</i> root and crown rot ( <i>Rhizoctonia solani</i> )	0.25 – 0.5 lb/100 gal/acre 0.03 – 0.06 lb ai/100 gal/acre	<ul style="list-style-type: none"> <li>• Apply as a soil drench every 14 – 28 days.</li> </ul>
Notes: <ul style="list-style-type: none"> <li>• * Control</li> <li>• <sup>1</sup>Consult your local extension agent or local recommendations for information relating to proper timing for control of these diseases.</li> <li>• Use in alternation with fungicides that have different modes of action.</li> </ul>		

**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal.  
**PESTICIDE STORAGE:** Store in dry place away from food or feed.  
**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:** Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed, by State and local authorities, by burning. If burned, stay out of smoke. Offer for recycling, if available.

**FOR 24-HOUR CHEMICAL EMERGENCY  
 (Spill, Leak, Fire or Accident) ASSISTANCE:  
 CALL CHEMTREC 1-800-424-9300**

**CONDITIONS OF SALE**

1. Arysta LifeScience North America Corporation warrants that this 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 for Use under normal conditions of use.
2. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal use conditions, or under conditions not reasonably foreseeable to Arysta LifeScience North America. **ARYSTA LIFESCIENCE NORTH AMERICA DISCLAIMS ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF FITNESS OR MERCHANTABILITY. TO THE EXTENT PERMITTED BY LAW, SELLER SHALL NOT BE LIABLE FOR CONSEQUENTIAL SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. TO THE EXTENT PERMITTED BY LAW, SELLER'S LIABILITY SHALL BE LIMITED TO THE REFUND OF THE PURCHASE PRICE. ARYSTA LIFESCIENCE NORTH AMERICA DOES NOT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE ANY OTHER WARRANTY, GUARANTEE OR REPRESENTATION CONCERNING THIS PRODUCT.**
3. Critical and unforeseeable factors beyond Arysta LifeScience North America's control prevent Arysta LifeScience North America from eliminating all risks in connection with the use of this product. Such risks include, but are not limited to, damage to plants and crops to which the product is applied, lack of complete control, and damage caused by drift to other plants or crops. Such risks occur even though the product is reasonably fit for the use stated on the label and even though label directions are followed. Except as stated in 1 above, to the extent permitted by law, Buyer and User acknowledge and assume all risks and liabilities resulting from handling, storage, and use of this product.

ENDORSE® is a registered trademark of Arysta LifeScience North America Corporation.