



United States
Environmental Protection Agency
Washington, DC 20460

Registration
 Amendment
 Other

OPP Identifier Number
246020

Application for Pesticide - Section I

1. Company/Product Number 58185-31	2. EPA Product Manager Connie Welch	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Duosan (R) WSB	PM# 21	
5. Name and Address of Applicant (Include ZIP Code) Scotts-Sierra Crop Protection Company 14111 Scottslawn Road Marysville, OH 43041 <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 8/30/95
<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: See attached letter

NOTIFICATION
SEP 5 1996

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	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal	<input type="checkbox"/> Plastic
* Certification must be submitted		If "Yes" Unit Packaging wgt. No. per container	If "Yes" Package wgt. No. per container	<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
				<input type="checkbox"/> Other (Specify) _____	
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"/> Paper glued <input type="checkbox"/> Stenciled		<input type="checkbox"/> Other _____	

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)					
Name Chris J. Wible		Title Senior Regulatory Specialist		Telephone No. (Include Area Code) (513) 644-7214	
2. Signature By: Scotts-Sierra Crop Protection Co.					6. Date Application Received (Stamped)
3. Title Senior Regulatory Specialist					
4. Typed Name Chris J. Wible		5. Date 09/13/96			

Duosan® WSB

Wettable Powder Turf and Ornamental Fungicide in Water Soluble Bags

FOR PROFESSIONAL USE ONLY

Not for homeowner use on turf.

This resealable pouch contains four DUOSAN WSB water-soluble bags.

Add 2/3 of the required amount of water to the spray or mixing tank. With agitator running, place required amount of unopened water soluble bags into the partially filled sprayer tank or closed-system mix tank. Keep agitated to insure even suspension of material. Make fresh daily. Spray uniformly over the area to be treated with a boom type or other power sprayer.

Do not handle water soluble bags for longer than is required to place into sprayer tank. Do not expose water soluble bags to moisture.

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 (REI) of 24 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 over long-sleeved shirt and long pants
- waterproof gloves
- shoes plus socks
- 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 protect agricultural plants on farms, forests, nurseries, or greenhouses.

- Keep children and pets off treated area until dry or material has washed into soil.
- Do not enter treated areas without protective clothing until sprays have dried.

TURF

Apply after mowing or avoid mowing for 12 hours after application. Apply in sufficient water to obtain thorough coverage, usually 5 gals. per 1000 sq. ft. of turf area. Always treat aprons and approaches to golf greens. Under conditions of severe disease, apply every 5 to 7 days. Note to users: Do not apply to areas likely to be grazed by livestock and do not feed clippings to livestock or poultry.

Use on golf course greens, tees, lawns and fairways of Bentgrass, Bluegrass, Fescues, Bermudagrasses, Ryegrasses, St. Augustinegrass or their mixtures for the prevention and control of the following diseases:

- DOLLAR SPOT *Sclerotinia homeocarpa*. Apply at 12 oz. (1 bag) per 400 sq. ft. beginning when the disease first appears and continue at 10-14 day intervals as needed. Retreat at 5-7 day intervals under severe conditions.
- ANTHRACNOSE *Colletotrichum graminicola*
- BROWN PATCH *Rhizoctonia solani*
- COPPER SPOT *Gloeocercospora sorghi*
- FUSARIUM PATCH *Fusarium nivale*
- GREY LEAF SPOT *Pyricularia grisea*
- LEAF SPOTS *Helminthosporium* spp.
- RED THREAD *Cardinium fusiforme*
- RUST *Puccinia coronata*

Apply at 24-36 oz. (2-3 bags) per 6000 sq. ft. when disease appears and continue at 10-14 day intervals. Use at 5-7 day intervals for severe disease.

STORAGE AND DISPOSAL

STORAGE: Do not store at a temperature exceeding 122°F (50°C). Store in a dry place in a well-ventilated container. Do not allow to become wet or overheated in storage.

This may cause chemical changes which will impair the fungicidal effectiveness of DUOSAN and may also generate flammable vapors. Handle container carefully when stored at temperatures of less than 50°F to avoid breakage of inner water soluble bags.

PROHIBITIONS: Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

PESTICIDE DISPOSAL: Pesticide, spray mixture or rinse water that cannot be used according to label instructions must be disposed of according to applicable Federal, State or local procedures.

CONTAINER DISPOSAL: Do not reuse container. Dispose of empty container in a sanitary landfill or by incineration, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

HORTICULTURAL, LANDSCAPE AND NURSERY PLANTS

While disease is prevalent, spray foliage with a suspension containing 24 oz. (2 bags) per 100 gals. of water at weekly intervals, unless otherwise specified.

*For Flower Blight (Ovulinia) on azaleas and rhododendrons, 12 oz. (1 bag) per 75 gals. on a 4 to 6 day interval is recommended. For Gymnosporangium on Crabapple, use 24 oz. (2 bags) per 75 gals. at 2-week intervals. For Phomopsis on Juniper, use 36 oz. (3 bags) per 75 gals. at 7 to 10 day intervals.

Use on horticultural, landscape and nursery plants for prevention and control of the following diseases in the greenhouse, field or landscape:

DISEASE CATEGORY	ORGANISM GENERA
1. ANTHRACNOSE	Colletotrichum, Gloeosporium, Mycosphaerella spp.
2. BLACKSPOT	Diplocarpon rosae
3. FLOWER BLIGHT	Ascochyta, Botrytis, Curvularia, Oidium, Sclerotinia spp.
4. LEAF BLIGHT	Aternaria, Ascochyta, Cercospora, Curvularia, Fusarium, Rhizoctonia, Volvutella spp.
5. STEM & TWIG BLIGHT	Pestalotia, Phomopsis, Rhizoctonia spp.
6. DOWNY MILDEW	Plasmopara viticola
7. POWDERY MILDEW	Erysiphe cichoracearum, Microsphaera, Podosphaera, Sphaerotheca spp.
8. SCAB	Fusicladium, Venturia and Sphaeloma spp.
9. RUST	Gymnosporangium juniperi-virginianae

NOTE: For LEAF SPOT, see LEAF BLIGHT

The following plants are subject to the diseases indicated (by number) and tolerate DUOSAN® at normal rates of application:

WOODY	HERBACEOUS
Aralia (1,4)	African Marigold (3) Philodendron (4)
Azalea (3,4)*	Aphelandra (4) Philox (4,7)
Brassia (1,4,5)	Aster (3) Snapdragon (3)
Camellia (3)	Begonia (4) Spatiphyllum (4,5)
Cherry Laurel (4)	Carnations (4) Stocks (3,7)
Crabapple (7,8)*	Cissus (4,5) Sweet Pea (1)
Crape Myrtle (7)	Chrysanthemum (1,3) Verbena (4,5)
Dogwood (1)	Caliva (3) Vinca (4,7)
Dracaena (4,5)	Deffenbachia (4) Zinnia (4,7)
Falsia (4)	Epipremnum (4)
Hawthorn (7,9)	Geranium (3)
Juniper (5,9)*	Impatiens (3)
Lilac (7)	Kalanchoe (3,7)
Photinia (4)	Linopie (4,7)
Poinsettia (3,4,8)	blondo Grass (1)
Pyracantha (8)	Pachysandra (4)
Rhododendron (3)*	Pansy (1)
Viburnum (6)	Rose (2,3,7)
	Pelaea (4)
	Petunia (3)

*See special instructions above.

Do not use on French Marigold or Georgia.

IMPORTANT NOTICE: DISCLAIMER AND LIMITATION OF LIABILITY.

This product has been researched to provide necessary data to support its use on the ornamentals listed on the label. However, it is understood that tests may not have been carried out on all varieties or cultivars and under all growing conditions on all plants listed on the label. The user should always follow the label directions and exercise his judgment and caution when using this product on a given variety until familiar with the results under his growing conditions. NO WARRANTY OR REPRESENTATION IS MADE, EXPRESS, OR IMPLIED, CONCERNING THE RESULTS OBTAINED FROM THE USE OF THIS PRODUCT IF NOT USED IN ACCORDANCE WITH DIRECTIONS OR ESTABLISHED SAFE PRACTICE. The exclusive remedy of the user or Buyer, and the limit of liability of The Scotts Company or its affiliates, for any and all losses, injuries or damages resulting from the use or handling of this product shall be the purchase price paid by the user or Buyer for the quantity of this product involved. The Buyer and all users are deemed to have accepted the terms of this Notice, which may be varied only by agreement in writing, signed by a duly authorized representative of The Scotts Company.

Duosan® is a registered trademark of Scotts-Sierra Crop Protection Company for its brand of Fungicide products ©1996, The Scotts Company. World rights reserved.

REMOVE PACKAGES FROM CONTAINER EXCEPT FOR IMMEDIATE USE

EPA REG. NO. 58185-31

Net Weight 3 lbs. (1.36 kg)
(Four 12 oz. Water Soluble Bags)



Scotts-Sierra Crop Protection Company
14111 Scottslawn Rd., Marysville, OH 43041



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ACTIVE INGREDIENTS:

Thiotharato-methyl (Dimethyl((1,2-phenylene) bis (imino-carbonothioyl)) bis (carbamate))	15.6%
A coordination product of zinc ion and manganese ethylenebis dithiocarbamate	64.0%
12.8% Manganese (Mn) ⁺⁺	
1.6% Zinc (Zn) ⁺⁺	
49.6% Ethylenebis dithiocarbamate	
INERT INGREDIENTS	20.4%
TOTAL	100.0%

KEEP OUT OF REACH OF CHILDREN

WARNING AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Induce vomiting immediately by giving two glasses of water and sticking finger down throat. Never give anything by mouth to an unconscious person. **OBTAIN MEDICAL ATTENTION IMMEDIATELY. IF INHALED:** Remove victim to fresh air. If not breathing give artificial respiration, preferably mouth to mouth. Get medical attention. **IF ON SKIN:** Wash off with soap and water. **IF IN EYES:** Flush eyes with water. Call a physician if irritation persists. See back panel for additional precautionary statements.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING! Causes eye and skin irritation. Do not get in eyes, on skin or on clothing. Harmful if swallowed or inhaled. Avoid breathing dust or spray mist. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Do not contaminate feed or food.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Coveralls over long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks
- Protective eyewear
- Chemical-resistant apron when cleaning equipment, mixing, or loading

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow 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:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing 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

THIS PRODUCT IS TOXIC TO 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 washwaters.

PHYSICAL OR CHEMICAL HAZARDS

Keep away from fire or sparks.

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 through any type of irrigation system.

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 agency responsible for pesticide regulation.

EPA EST. NO. 33967-111-1 (B)
EPA EST. NO. 65387-AR-002 (AV)
Subscript is first letter of run code on end of container.

DO NOT

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REC'D 7/17/98