



58185-32

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|  <p><b>U.S. ENVIRONMENTAL PROTECTION AGENCY</b><br/>Office of Chemical Safety and Pollution Prevention<br/>Office of Pesticide Programs<br/>Registration Division (7504P)<br/>1200 Pennsylvania Ave., N.W.<br/>Washington, D.C. 20460</p> <p>NOTICE OF PESTICIDE:<br/> <input type="checkbox"/> Registration<br/> <input checked="" type="checkbox"/> Reregistration<br/> under FIFRA, as amended</p>   | EPA Reg. Number:<br><br><b>58185-32</b>  | Date of Issuance:<br><br><b>JUL 26 2010</b> |
|  | Terms of Issuance:<br><b>Unconditional</b>   |   |
|  | Name of Pesticide Product:<br><b>Duosan® Broad Spectrum Contact Ornamental Fungicide</b> |   |
| Name and Address of Registrant (include ZIP Code):<br><b>Scotts-Sierra Crop Protection Company</b><br><b>14111 Scottslawn Road</b><br><b>Marysville, OH 43041</b>  | Mail to:<br><b>Deena Newell</b><br><b>Federal Registration Scientist</b>                 |   |
| <p><b>Note:</b> Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.</p>  |  |   |
| <p>On the basis of information furnished by the registrant, the above named pesticide is hereby conditionally reregistered 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 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>Based on your responses to the mancozeb and thiophanate-methyl Reregistration Eligibility Documents, EPA has conditionally reregistered the product listed above subject to the following conditions:</p> |  |   |
| Page 1 of 2  |  |   |
| Signature of Approving Official:<br><br><br><br>Mary L. Waller, Product Manager (21)<br>Fungicide Branch/Registration Division/OPP/OCSPP (7504P)  | Date:<br><br><b>JUL 26 2010</b>  |   |

Notice of Pesticide Reregistration  
Duosan® Broad Spectrum Contact Ornamental Fungicide  
EPA Reg. No. 58185-32  
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This action is taken under the authority of section 4(g)(2)(c) of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions. Reregistration under this section does not eliminate the need for continual reassessment of pesticides. EPA may require submission of data at any time to maintain the registration of your product.

A copy of your label stamped "Accepted" is enclosed for your records. This label supersedes all labels previously accepted for this product. Please submit one copy of the final printed label before the product is released for shipment.

Products shipped after 12 months from the date of this letter or the next round of printing must bear the new revised label.

The basic Confidential Statement of Formula (CSF) dated 8/14/09, submitted October 26, 2009 in connection with reregistration under the Federal Insecticide, Fungicide and Rodenticide Act as amended is acceptable. This CSF supersedes all CSFs previously accepted for this product.

Mary L. Waller  
Product Manager (21)  
Fungicide Branch  
Registration Division (7504P)

Enclosure:

- Label stamped "Accepted with Comments"
- PRB Preliminary Label Review dated November 20, 2008
- Product Chemistry Review DP358330 dated November 13, 2008
- Product Chemistry Review DP357838 dated October 29, 2008
- Acute Toxicity Review DP357843 dated October 29, 2008
- Product Chemistry Review DP353953 dated July 7, 2008
- Acute Toxicity Review DP346971 dated November 29, 2007
- Product Chemistry Review DP346840 dated November 27, 2007

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*Bold, italicized text is information for the reader and is not part of the label.*  
[Bracketed information is optional text.]

EPA Reg. No. 58185-32

**FRONT**

**DUOSAN® Broad Spectrum Contact Ornamental Fungicide**

**ACTIVE INGREDIENTS:**

|   |        |
|---|--------|
| Thiophanate-methyl† .....   | 15.6%  |
| Mancozeb: A coordination product of zinc ion and manganese ethylenebis dithiocarbamate..... | 64.0%  |
| Manganese(Mn)++.....  | 12.8 % |
| Zinc(Zn)++ .....  | 1.6 %  |
| Ethylenebis dithiocarbamate.....  | 49.6 % |

|                                 |               |
|---------------------------------|---------------|
| <b>OTHER INGREDIENTS:</b> ..... | <u>20.4%</u>  |
| <b>Total</b>                    | <b>100.0%</b> |

†CAS #23564-05-8

**KEEP OUT OF THE REACH OF CHILDREN  
CAUTION**

[See [pouch label] [back panel] for [additional] precautionary statements, [first aid and directions for use]]

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.)

**FIRST AID**

**If on skin or clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

**If in eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye.

**If swallowed:** Call a 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 a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**If inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.

Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling poison control center or doctor, or going for treatment. You may also contact 1-877-561-6584 for emergency medical treatment information.

**ACCEPTED  
with COMMENTS  
In EPA Letter Dated**

EPA REG. NO. 58185-32

EPA EST. 67545-AZ-1

**JUL 26 2010**  
**Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.**

01.FEB.2010

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8850-04/95053 *Note to PM: Stock numbers are for internal tracking purposes*

Net Weight: 3 LBS.(1.36 Kg)

(Scotts®)

Manufactured for:  
Scotts-Sierra Crop Protection Company  
14111 Scottslawn Road  
Marysville, OH 43041

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**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION.** Harmful if absorbed through skin. Avoid contact with skin, eyes, or clothing.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Some materials that are chemical-resistant to this product are made of any waterproof material. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.

**Mixers, loaders, applicators, and handlers must wear:**

- Long-sleeved shirt and long pants
- Shoes plus socks
- Chemical-resistant gloves
- NIOSH-approved respirator with a dust/mist filter with MSHA/NIOSH approval number prefix TC-21C or any N, R, P, or HE filter for all handlers except for groundboom and airblast applicators

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

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### USER SAFETY RECOMMENDATIONS

**Users should:**

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside, and 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 AQUATIC ORGANISMS.** Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. 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 cleaning equipment or disposing of equipment washwater or rinsate.

### PHYSICAL OR CHEMICAL HAZARDS

Keep away from fire or sparks. Do not use or store near heat or open flames.

**BACK**

### 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 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.

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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
- Chemical-resistant gloves made of any waterproof material
- Chemical-resistant footwear plus socks
- Chemical-resistant headgear for overhead exposures

#### 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.

- Keep children and pets off treated area until dry.
- Do not enter or allow others to enter until sprays have dried.

Not for homeowner use. For use by individuals/firms licensed or registered by the state to apply ornamental pest control products.

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

Do not apply with fixed wing or rotary aircraft.

Add specified amount to a partially filled spray tank under agitation. Complete filling to the desired volume. 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.

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## HORTICULTURAL, LANDSCAPE & NURSERY CROPS

Do not apply to home orchards/backyard fruit trees after fruit set.

For cut flowers, do not apply more than 3.2 pounds of product per acre per application.

Cut Flowers and greenhouse grown ornamentals: Limit to 20 applications per year.

While disease is prevalent, spray foliage with a suspension, containing 1.5 lbs. per 100 gals. of water at weekly intervals, unless otherwise specified.

\*For Flower Blight (*Ovulinia*) on azaleas and rhododendrons, use 1 lb. per 100 gals. on a 4 to 6 day interval. For *Gymnosporangium* on Crabapple, use 2 lbs. per 100 gals. at 2-week intervals. For *Phomopsis* on Juniper, use 3 lbs. per 100 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        | <i>Colletotrichum, Gloeosporium, Mycosphaerella</i> spp.                                    |
| 2. BLACKSPOT          | <i>Diplocarpon rosea</i>  |
| 3. FLOWER BLIGHT      | <i>Ascochyta, Botrytis, Curvularia, Ovulinia, Sclerotinia</i> spp.                          |
| 4. LEAF BLIGHT        | <i>Alternaria, Ascochyta, Cercospora, Curvularia, Fusarium, Rhizoctonia, Volutella</i> spp. |
| 5. STEM & TWIG BLIGHT | <i>Pestalotia, Phomopsis, Rhizoctonia</i> spp.  |
| 6. DOWNY MILDEW       | <i>Plasmopara viburni</i>   |
| 7. POWDERY MILDEW     | <i>Erysiphe cichoracearum, Microsphaera, Podosphaera, Sphaerotheca</i> spp.                 |
| 8. SCAB               | <i>Fusicladium, Venturia</i> , spp.   |
| 9. RUST               | <i>Gymnosporangium juniperivirginianae</i>  |
- For LEAF SPOT, See LEAF BLIGHT

The following plants are subject to the diseases indicated (by number) and tolerate DUOSAN® Broad Spectrum Contact Ornamental Fungicide at specified rates of application:

**WOODY**

**HERBACEOUS**

- Araïla (1,4)
- Azalea (3,4)\*
- Brassaia (1,4,5)
- Camellia (3)
- Cherry Laurel (4)
- Crabapple (7,9)\*
- Crape Myrtle (7)
- Dogwood (1)
- Dracaena (4,5)
- Fatsia (4)
- Hawthorn (7,9)
- Juniper (5,9)\*
- Lilac (7)
- Photinia (4)
- Poinsettia (3,4,8)
- Pyracantha (8)
- Rhododenron (3)\*
- Rose (2,3,7)
- Viburnum (6)

- African Marigold (3)
- Aphelandra (4)
- Aster (3)
- Begonia (3,4)
- Carnation (4)
- Cissus (4,5)
- Chrysanthemum (1,3)
- Dahlia (3)
- Dieffenbachia (4)
- Epipremnum (4)
- Geranium (3)
- Impatiens (3)
- Kalanchoe (3,7)
- Liriope (4,7)
- Mondo Grass (1)
- Pansy (1)
- Pellea (4)
- Petunia (3)

- Philodendron (4)
- Phlox (4,7)
- Snapdragon (3)
- Spathiphyllum (4,5)
- Stocks (3,7)
- Strelitzia (1)
- Verbena (3,4)
- Vinca (4)
- Zinnia (4,7)

\* See special instructions.  
Do not use on French Marigold or Gloxinia.

**SPRAY DRIFT MANAGEMENT**

A variety of factors including weather conditions (e.g., wind direction, wind speed, temperature, relative humidity) and method of application can influence pesticide drift. The applicator must evaluate all factors and make appropriate adjustments when applying this product.

**Wind Speed**

Do not apply at wind speeds greater than 15 mph.

**Temperature inversions**

If applying at wind speeds less than 3 mph, the applicator must determine if a) conditions of temperature inversion exist, or b) stable atmospheric conditions exist at or below nozzle height. Do not make applications in areas of temperature inversions or stable atmospheric conditions.



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**Other State and Local Requirements**

Applicators must follow all state and local pesticide drift requirements regarding application of mancozeb. Where states have more stringent regulations, they must be observed.

**Equipment**

All ground application equipment must be properly maintained and calibrated using appropriate carriers or surrogates.

Do not apply with a nozzle height greater than 4 feet above the crop canopy.

**STORAGE AND DISPOSAL**

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

**PESTICIDE STORAGE:** Do not store at a temperature exceeding 122°F (50°C). Store in a dry place in a well-closed container. Do not allow to become wet or overheated in storage. This may cause chemical changes which will impair the fungicidal effectiveness of DUOSAN® Broad Spectrum Contact Ornamental Fungicide and may also generate flammable vapors.

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be used 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:** Nonrefillable container. Do not reuse or refill this container. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. 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. Then dispose of empty container(s) in a sanitary landfill or by incineration or if allowed by State and local authorities.

This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

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**DISCLAIMER AND LIMITATION OF LIABILITY**

**IMPORTANT NOTICE FROM THE SCOTTS COMPANY LLC AND SCOTTS-SIERRA HORTICULTURAL PRODUCTS COMPANY (“SCOTTS”). PLEASE READ BEFORE USE.**

To the extent consistent with applicable law, user or buyer accepts the conditions, disclaimer of warranties and limitations of liability. Read the entire directions for use, conditions of warranties and limitations of liability before using this product. If terms are not acceptable, return the unopened product container at once for full refund.

**CONDITIONS:** The directions for use of this product are believed to be adequate and the user or buyer must always follow the label directions carefully and exercise judgment and caution when using this product under their growing conditions. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness, unsatisfactory or substandard results or other unintended consequences may result because of such factors as weather conditions, presence or absence of other materials, or the manner of use or application, all of which are beyond the control of Scotts. All such risks shall be assumed by the user or buyer.

**WARRANTY:** This product corresponds to all claims and descriptions set forth on the label and is reasonably fit for the purposes set forth in the directions for use on the label when used in accordance with those directions. This warranty is subject to the conditions and limitations stated herein. Scotts recognizes that the rights and remedies of the user or buyer are subject to the provisions of the applicable state law, but makes no other warranties or representations, 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 Scotts is authorized to make any warranties beyond those contained herein or to modify the warranties contained therein. Subject to the user’s or buyer’s rights and remedies under the applicable state law, Scotts disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use or handling of this product.

**LIMITATIONS OF LIABILITY:** Subject to the user’s or buyer’s rights and remedies under the applicable state law, the exclusive remedy of the user or buyer and the liability of Scotts or its affiliates, 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 by the user or Buyer for the quantity of this product involved or at Scotts’ election, the replacement of the product. To the extent consistent with applicable law, Scotts must have prompt notice of any claim so that a timely investigation of buyer’s or user’s claim can be made. Buyer and all users shall promptly notify Scotts of any claims, whether based on contract, negligence, strict liability, other tort or otherwise or be barred from any remedy.

DUOSAN® is a registered trademark of Scotts-Sierra Crop Protection Company for its brand of Fungicide products.

[UPC] [Pkg. Date]