



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number:
58185-33

Date of Issuance:
FFR 22 1996

NOTICE OF PESTICIDE:
 X Registration
 Reregistration

Term of Issuance:
Conditional

Name of Pesticide Product:
Domain FL

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):
Scotts-Sierra Crop Protection Co.
14111 Scottslawn Road
Marysville, Ohio 43041

Note: 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.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/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.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. Make the following labeling changes before you release the product for shipment:
 - a. Add the phrase "EPA Registration No. 58185-33".
 - b. Copies of the supplemental labeling "Chemigation Information" were not submitted with this application. It was assumed that the supplemental labeling is the same as that for your product Domain

Signature of Approving Official:

Connie B. Welch

Date:

2/20/96

2/14
50WP. Copies of that supplemental labeling have been inserted into this file. If this assumption is incorrect, submit the appropriate chemigation labeling.

- c. It was noted that under "Plant Types" for both foliar sprays and drench treatments, the same plant type is listed more than once. Delete the repeated entries.
3. Submit five copies of the final printed label for the record.

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.

Sincerely yours,



Connie B. Welch
Product Manager (21)
Fungicide-Herbicide Branch
Registration Division (7505C)

7505C:C.Grable:cg:2/16/96

DOMAIN FL(Master Label)
Systemic Turf & Ornamental Fungicide
XXXX
1 Gallon

DOMAIN FL

**LIQUID FLOWABLE SYSTEMIC
TURF AND ORNAMENTAL FUNGICIDE**

ACTIVE INGREDIENT: Thiophanate-Methyl (Dimethyl [(1,2-phenylene)-bis(iminocarbonothioyl)]bis[Carbamate])*

.....	46.2%
INERT INGREDIENTS	53.8%
TOTAL	100.0%

*Also known as Dimethyl 4,4'-o-phenylenebis (3-thioallophanate) 4.5 Pounds per gallon Flowable

KEEP OUT OF REACH OF CHILDREN
CAUTION
STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Induce vomiting immediately by giving two glasses of water and sticking finger down throat. Call a physician. Never give anything by mouth to an unconscious person.

IF IN EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation persists.

IF ON SKIN: Immediately flush skin with plenty of water.

IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration. Get medical attention.

EPA REGISTRATION NO. 58185-XXX
EPA ESTABLISHMENT NO. 1812-GA-3
NET CONTENTS: 1 GAL. (3.78L)

(Scotts)

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

ACCEPTED
with COMMENTS
In EPA Letter Dated
FEB 22 1985
Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
58185-33

[Back]

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS
(AND DOMESTIC ANIMALS)
CAUTION**

HARMFUL IF SWALLOWED, ABSORBED THROUGH SKIN, OR INHALED.
CAUSES MODERATE EYE IRRITATION.

Personal Protective Equipment

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category C on an EPA chemical resistance selection chart.

Applicators and other handlers must wear:

- long-sleeved shirt and long pants;
- chemical-resistant gloves, such as barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, polyvinyl chloride (PVC), ≥ 14 mils, Viton ≥ 14 mils; and
- shoes plus socks.
- For exposures in enclosed areas, a respirator with either an organic vapor-removing cartridge with a pre-filter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval prefix TC-14G).

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.

<p>User Safety Recommendations:</p> <p>Users should:</p> <ul style="list-style-type: none"> • 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 pesticide 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 apply where runoff is likely to occur. Do not contaminate water when disposing of equipment washwaters.

DIRECTIONS FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.

Shake well before using.

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.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 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;
- chemical-resistant gloves, such as barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, polyvinyl chloride (PVC), ≥ 14 mils, Viton ≥ 14 mils; and
- shoes plus socks

GENERAL INFORMATION

Apply DOMAIN FL with ground or aerial equipment, using sufficient volume of spray to provide thorough coverage. Add required amount of DOMAIN FL to partially filled tank agitated by mechanical or hydraulic means and then add remaining required amount of water. Continuous agitation is required to keep the material in suspension. Do not tank mix with highly alkaline pesticides, such as Bordeaux mixture or lime sulfur. No claim of compatibility with other pesticides is implied. Use the higher rates under conditions of severe disease pressure. Also, see local State Extension Service recommendations for application schedules.

IMPORTANT: If, after using DOMAIN FL as recommended, treatment is not effective, a tolerant strain of fungi may be present. Consult your local Scotts-Sierra representative or distributor, your State Agricultural Experiment Station or your State Agricultural Extension Service for advice on the prompt use of some other suitable fungicide.

(ALTERNATE GENERAL INFORMATION STATEMENTS)

GENERAL INFORMATION

DOMAIN FL is a broad spectrum fungicide which controls a variety of diseases on woody and herbaceous ornamental crops. DOMAIN FL is also effective as a preplant dip on cuttings and bulbs. This product may be used to control the listed diseases on ornamental almond, apple, apricot, cherry, nectarine, peas, pecan, plum, and prune trees.

Apply DOMAIN FL with ground or aerial equipment, using sufficient volume of spray to provide thorough coverage. Add required amount of DOMAIN FL to partially filled tank agitated by mechanical or hydraulic means, and then add remaining required amount of water. Continuous agitation is required to keep the material in suspension. Do not tank mix with copper-containing materials or with highly alkaline pesticides, such as Bordeaux mixture or lime sulfur. No claim of compatibility with other pesticides is implied. Use the higher rates under conditions of severe disease pressure. Also, see local State Extension Service recommendations for application schedules.

TURF

For use on golf course greens, tees, and fairways of Bentgrasses, Bluegrasses, Bermudagrasses, Fescues, Ryegrasses, St. Augustinegrasses or their mixtures. DOMAIN FL is not phytotoxic to any of the above-mentioned grasses when used in accordance with the label. DOMAIN FL is to be used for the prevention and control of the below mentioned diseases (provided both curative and protective action).

Use spray mixture the same day it is prepared. Spray uniformly over the area to be treated with a properly calibrated power sprayer. Apply after mowing or avoid mowing for twelve hours after application.

Apply recommended amounts in sufficient water to obtain thorough coverage, usually five gallons per 1,000 square feet of turf area. When treating golf greens, always treat aprons and approaches. Use the highest recommended rate under conditions of severe disease pressure.

**FUSARIUM BLIGHT (*Fusarium roseum*),
SUMMER PATCH (*Magnaporthe poae*),
NECROTIC RING SPOT (*Leptosphaeria korrae*),** - Apply DOMAIN FL at 5 to 10 fluid ounces per 1,000 square feet. Water into root zone by irrigation with one inch of water immediately after application. Make two applications at 10-14 day intervals, beginning applications when the disease first appears.

**DOLLAR SPOT (*Sclerotinia homoeocarpa*),
ANTHRACNOSE (*Colletotricum graminicola*),** - Apply DOMAIN FL at 1 to 2 fluid ounces per 1,000 square feet beginning when the disease first appears. Spray should dry on leaf surfaces with no "watering in". Continue at 10-14 day intervals through the season or as needed.

**LARGE BROWN PATCH (*Rhizoctonia solani*),
COPPER SPOT (*Gloeocercospora sorghi*), RED THREAD
(*Corticium fuciforme*), FUSARIUM PATCH (*Fusarium nivale*)** - Apply DOMAIN FL at 1 to 2 fluid ounces per 1,000 square feet beginning when the disease first appears and continue at 10-14 day intervals through the season as needed. Spray should dry on leaf surfaces with no "watering in". When conditions are unusually favorable for development of disease, reduce interval to 5 to 7 days.

STRIPE SMUT (*Ustilago striiformis*) - Apply DOMAIN FL at 5 to 10 fluid ounces per 1,000 square feet. Water into the root zone by irrigating with one inch of water immediately after application. Make two applications at 14-21 day intervals. Begin applications when the disease first appears, either in the spring or fall.

NOTE TO USER: Do not apply to areas likely to be grazed by livestock and do not feed clippings to livestock or poultry.

**ORNAMENTALS
(FIELD AND GREENHOUSE)**

CHEMIGATION: Refer to supplemental labeling entitled Chemigation Information for use directions for chemigation. Do not apply this product through any irrigation system unless the supplemental labeling on chemigation is followed. For use of this product through a chemigation system that is connected to a public water system, be sure the pesticide label-prescribed safety devices for public water systems are in place.

FOLIAR SPRAY - PLANT TYPES AND DISEASES CONTROLLED:

PLANT TYPES

- Woody ornamentals, shade trees (1)
- Herbaceous ornamentals
- Roses
- Woody and herbaceous ornamentals
- Woody and herbaceous ornamentals
- Ligustrum
- Iris
- Shade and ornamental trees
- Azalea, rhododendron (2)
- Woody and herbaceous ornamentals
- Woody and herbaceous ornamentals
- Woody and herbaceous ornaments, ornamental nut and fruit trees
- Herbaceous ornamentals
- Pyracantha, flowering crab, ornamental fruit and nut trees
- Woody and herbaceous ornamentals,

DISEASE(S) CONTROLLED

- Anthracnose
- Ascochyta blight
- Black Spot
- Botrytis (Gray Mold)
- Cercospora Leaf Spot
- Corynespora Leaf Spot
- Didymellina Leaf Spot
- Diplodea Tip Blight (Diplodea piea)
- Ovulinia
- Entomosporium Leaf Spot
- Phomopsis Blight
- Powdery Mildew
- Ramularia Leaf Spot
- Scab
- Septoria Leaf Spots

KEY TO NOTES:

¹ Begin at bud break and make 2 to 3 additional applications at 10 to 14 day intervals.

² Begin treatment as flowers open.

Addition of a surfactant to the spray mixture improves distribution of the spray on hard-to-wet plants such as roses.

FOLIARY SPRAY - HYDRAULIC APPLICATION

Mixing Instructions: Add required amount of DOMAIN FL to partially filled tank agitated by mechanical or hydraulic means and then add remaining required amount of water. Maintain continuous agitation to keep the material in suspension and apply with properly calibrated spray equipment. Apply until leaves glisten, but not to point of runoff.

Application Rates and Timing for Disease Control: Begin applications when disease first appears and repeat at 10 to 14 day intervals during the growing season. Shorten the interval during humid, rainy weather.

Ground Application: Use 20 fluid ounces of DOMAIN FL per 100 gallons of water. For control of Powdery Mildew and Botrytis (Gray Mold), use 10 fluid ounces of DOMAIN FL per 100 gallons of water, or 1 teaspoonful per 2 gallons of water.

Aerial Application: Use 10-20 fluid ounces of DOMAIN FL per acre.

II. DRENCH - PLANT TYPES AND DISEASES CONTROLLED:

PLANT TYPES

Herbaceous annuals, perennials, and bedding plants

Woody ornamentals (such as azaleas, rhododendrons, conifers, poinsettias)

Woody ornamentals (such as azaleas, rhododendrons, conifers, poinsettias)

DISEASE(S) CONTROLLED

Botrytis, Fusarium, Rhizoctonia, Sclerotinia stem, crown and root rots

Cylindrocladium rot, Thielaviopsis rot

NOTE: DOMAIN FL does not control Pythium spp., or Phytophthora spp.

Mixing Instructions: Add required amount of DOMAIN FL to partially filled tank agitated by mechanical or hydraulic means and then add remaining required amount of water. Maintain continuous agitation to keep the material in suspension.

Application Rates and Timing for Disease Control: Use 20 fluid ounces of DOMAIN FL per 100 gallons of water. Apply as a drench or heavy spray to 800 sq. ft. of bench area (1 to 2 pints per sq. ft.) after transplanting into propagation beds or containers. Repeat at 2 to 4 week intervals during periods favorable for disease.

PREPLANT DIP TREATMENT - PLANT TYPES AND DISEASES CONTROLLED:

PLANT TYPES

Plants or cuttings of woody and herbaceous ornamentals

Bulbs (Easter Lily, Tulip, Gladiolus, Daffodil, Iris)

DISEASE(S) CONTROLLED

All diseases listed under drench treatment

Fusarium and Penicillium rots

Application Rates and Timing for Disease Control:

Note to User: Operator should wear protective gloves for application.

11/14

Plants or cuttings - Use 20 fluid ounces of DOMAIN FL per 100 gallons of water. Immerse plants or cutting for 10 to 15 minutes; remove and allow to drain. Wear rubber gloves.

Bulbs - Use 33 fluid ounces of DOMAIN FL per 100 gallons of water, or 2 teaspoonfuls of DOMAIN FL per gallon of water. Soak cleaned bulbs for 15 to 30 minutes in warm dip (80 to 85°F) preferably within 48 hours of digging. Dry bulbs after treatment. If bulbs are for forcing, treat bulbs that have been heat-cured.

STORAGE AND DISPOSAL

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

STORAGE INSTRUCTIONS: Store in the original container in a dry area. Do not store in a manner where cross-contamination with other pesticides, fertilizers, food or feed could occur. If spilled during storage or handling, absorb with sand or other inert material and dispose of absorbent in accordance with the Pesticide Disposal Instructions listed below.

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

CONTAINER DISPOSAL INSTRUCTIONS: Triple rinse (or equivalent). then offer for recycling 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.

IMPORTANT NOTICE: LIMITATION OF LIABILITY

This product has been researched to provide necessary data to support its use on ornamentals. However, it is understood that tests may not have been carried out on all varieties and under all growing conditions. The user should always follow 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 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.

DOMAIN and FUNGO are registered trademarks of Scotts-Sierra Crop Protection Company.

XXXXXX-XXXXX

SCOTTS-SIERRA CROP PROTECTION COMPANY

Chemigation Information

INTRODUCTION

Pesticide labels contain directions for use which are necessary for effecting the purpose for which the product is intended and to protect health and the environment. The following information is intended to decrease environmental risks of pesticide contamination of ground water and will decrease direct human exposure to pesticide treated irrigation water by providing appropriate directions for use.

Apply this product only through pressurized drench (flood), or drip (trickle) irrigation systems. Do not apply this product through any other type of irrigation systems.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.

If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.

A person knowledgeable of the chemigation system and responsible for its operation or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

Pressurized Drench (Flood) System

Systems utilizing a pressurized water and pesticide injection system must meet the following requirements:

- The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
- The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

of the injection pump and connected to the system interlocked to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Sprinkler Chemigation

The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

- The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
- Do not apply when wind speed favors drift beyond the area intended for treatment.

Drip (Trickle) Chemigation

The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

- The pesticide injection pipeline must contain a functional, automatic, quick closing check valve to prevent the flow of fluid back toward the injection pump.
- The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

motor stops.

- The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- Systems must use a metering pump such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

General Information

Pesticide supply tanks are recommended for the application of these products. See label instructions for dilution use rates and timing of application. For emulsifiable concentrates - agitate prior to use. For wettable powders - agitate continuously during application.

Since the material is used in an injection proportioner the pesticide is to be applied continuously for the duration of the water application.

Toxicity Category I Products (Label Signal Word-Danger)

Posting of areas to be chemigated is required when 1) any part of a treated area is within 300 feet of sensitive areas such as residential areas, labor camps, businesses, day care centers, hospitals, inpatient clinics, nursing homes or any public areas such as schools, parks, playgrounds, or other public facilities not including public roads, or 2) when the chemigated area is open to the public such as golf courses or retail greenhouses.

Posting must conform to the following requirements. Treated areas shall be posted with signs at all usual points of entry and along likely routes of approach from the listed sensitive areas. When there are no usual points of entry, signs must be posted in the corners of the treated areas and in any other location affording maximum visibility to sensitive areas. The p side of the sign should face away from the treated area towards the sensitive area. The signs shall be printed in English. Signs must be posted prior to application and must remain posted until foliage has dried and soil surface water has disappeared. Signs may remain in place indefinitely as long as they are composed of materials to prevent deterioration and maintain legibility for the duration of the posting period.

For additional information contact:



Customer Service
SCOTT'S-SIERRA CROP PROTECTION COMPANY
14111 Scott's Lawn Road, Marysville, OH 43041
1-800-492-8255