

pm 22 50534-9

File 18  
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

JAN 14 1994

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Ralph P. Burton  
ISK BIOTECH CORP.  
5966 Heisley Road, Box 8000  
Mentor, OH 44061

Subject: Label Amendment Submission of 09/07/93 in Response to PR Notice 93-7  
EPA Reg. No. 50534-9  
DACONIL 2787 FLOWABLE FUNGICIDE

**IMPORTANT NOTICE:** This Letter Requires You to Submit a Notification to the Office of Compliance Monitoring within 20 Days.

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments listed on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

**SERIOUS ERROR(S) ON SUBMITTED LABELING:**

EPA has determined that one or more of the errors on the labeling you submitted to the Agency is categorized as "serious" as defined in PR Notice 93-11. In general, serious errors are those that may create a potential for harm to workers, handlers, other persons, or the environment; or those that prevent the achievement of the basic goals of the Worker Protection Standard (WPS) or FIFRA.

**YOU MUST NOT SELL OR DISTRIBUTE (INCLUDING RELEASE FOR SHIPMENT) ANY PRODUCT BEARING THE SUBMITTED LABELING.** Sale or distribution of any product with the incorrect labeling is a violation of FIFRA that could result in initiation of an action for civil penalties and/or cancellation of your product. This matter has been referred to the Office of Compliance Monitoring (OCM) for further action.

**YOU MUST SUBMIT A NOTIFICATION TO THE OFFICE OF COMPLIANCE MONITORING WITHIN 20 DAYS OF THE DATE OF THIS LETTER.**



Recycled/Recyclable  
Printed with Soy/Canola Ink on paper that  
contains at least 50% recycled fiber

Each notification must include the following information:

1. Registrant's name and address.
2. EPA Registration number of the product for which the labeling was submitted.
3. Whether any product already has been sold or distributed (this includes released for shipment) bearing the submitted labeling.

In addition, the notification must include the following information, IF you have already sold or distributed any product bearing the submitted labeling:

1. Quantity of the product that has been sold or distributed.
2. EPA Producing Establishment number.
3. Location of the product, if known.
4. Proposed plan for assuring that product with the incorrect labeling in your control, as well as that in the hands of dealers/distributors/users, will be corrected. The plan must include your proposal for assuring that the labeling is corrected as soon as possible.

Submit the notification to:

Michael Wood, Director  
 Compliance Division, (7203)  
 Worker Protection Notification  
 Office of Compliance Monitoring  
 U.S. Environmental Protection Agency  
 401 M Street SW  
 Washington, DC 20460

Failure to submit a notification also may result in initiation of an action under FIFRA for civil penalties, if you sold or distributed (this includes released for shipment) product bearing the incorrect labeling.

**IN ADDITION, YOU SHOULD CONTACT IMMEDIATELY THE PERSONS TO WHOM YOU SOLD OR DISTRIBUTED YOUR PRODUCT AND INFORM THEM NOT TO SELL OR DISTRIBUTE ANY PRODUCT WITH THE INCORRECT LABELING.**

**WHAT THIS ACCEPTANCE MEANS:**

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the WPS labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have neither been reviewed nor accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

**WHAT YOU NEED TO DO NEXT:**

Submit the required notification. Then by the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling as amended

**AND**

- WITHIN one year from date of this acceptance.

Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)  
 Office of Pesticide Programs (7505C)  
 U.S. Environmental Protection Agency  
 401 M Street, SW  
 Washington, D.C. 20460-0001

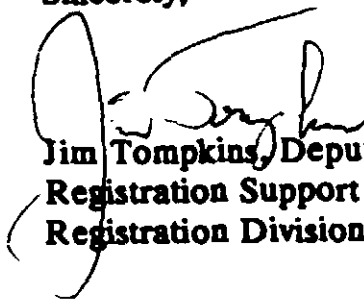
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Hand or courier deliveries of final labeling may be made to:

Document Processing Desk (FIN-LABEL)  
Office of Pesticide Programs  
Room 266A, Crystal Mall 2  
1921 Jefferson Davis Highway  
Arlington, VA 22202

Sincerely,



Jim Tompkins, Deputy Chief  
Registration Support Branch  
Registration Division (7505W)

Attachment

cc: Office of Compliance Monitoring

**BEST AVAILABLE COPY**

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division

Ralph P Burton  
ISK BIOTECH CORP  
5966 HEISLEY ROAD BOX 8000  
MENTOR OH 44061

Comment for: EPA Reg Nr.50534-9  
DACONIL 2787 FLOWABLE FUNGICIDE

The following specific comments pertain to your WPS labeling submission concerning the product cited above:

The respirator requirement for "applicators and other handlers" in the Personal Protective Equipment" section on your proposed labeling is missing or incorrect. Remove the incorrect requirement (if any) and add "For exposures outdoors, dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C). For exposures in enclosed areas, a respirator with either an organic-vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G)." The exact location is shown in Sections A and B on Part I of the product Worksheet in Supplement Three-A to PR Notice 93-7.

Net Contents:

# Daconil 2787® Flowable Fungicide

## Turf Care®

### Turf and Ornamental Fungicide

Active Ingredient: Chlorothalonil (tetrachloroisophthalonitrile) 40.4%

Inert Ingredients: 59.6%

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Total: 100.0%

Contains 4.17 pounds chlorothalonil per gallon (500 grams per liter)

## 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.)*

See side panel for additional precautionary statements.

ISK Biotech Corporation  
5966 Heisley Road  
P.O. Box 3000  
Mentor, Ohio 44061-8000

EPA Reg. No. 50534-9  
EPA Est. No. 50534-TX-01  
3316-4060-9069-9306

DACONIL 2787 and TURF CARE are Registered Trademarks of ISK Biotech Corporation.

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

JAN 14 1994

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

50534-9

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## **Daconil 2787® Flowable Fungicide**

Read entire label carefully and use only as directed.

### **PRECAUTIONARY STATEMENTS**

#### **Hazards to Humans and Domestic Animals**

##### **Warning**

~~Causes substantial but temporary eye injury. Wear long-sleeve shirt, long pants, gloves, goggles or face shield when handling this product. Harmful if swallowed, or absorbed through the skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Avoid contact with skin. Do not get in eyes or on clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.~~

DO NOT take internally.

**Note to User:** This product may produce mild bronchial irritation and temporary irritation of the skin characterized by redness or rash on exposed skin areas. Affected persons should consult a physician.

~~DO NOT apply this product in such a manner as to directly, or through drift, expose workers or other persons. The area being treated must be vacated by unprotected persons.~~

##### **First Aid**

**If swallowed:** Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. DO NOT induce vomiting or give anything by mouth to an unconscious person.

**If in eyes:** Immediately flush eyes with plenty of water and continue for 15 minutes. Seek medical attention for eyes immediately.

**If on skin:** Wash with plenty of soap and water. Get medical attention.

**Note to physician:** Persons having temporary irritation may respond to treatment with antihistamines or steroid creams and/or systemic steroids.

### **ENVIRONMENTAL HAZARDS**

This product is toxic to fish, aquatic invertebrates, and marine/estuarine organisms. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. 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 apply when weather conditions favor drift from treated areas. Apply only to areas specified on label. DO NOT contaminate water when disposing of equipment washwaters.

### **STORAGE AND DISPOSAL**

DO NOT contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

**Storage:** Store in a cool place. Protect from excessive heat

**Pesticide Disposal:** Pesticide wastes are toxic. Improper disposal of excess pesticide, pesticide spray or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use 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:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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## **WARRANTY AND LIMITATION OF DAMAGES**

Seller warrants that this material conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use and Buyer assumes the risk of any use contrary to such directions. SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY, INCLUDING ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR OF MERCHANTABILITY, AND NO AGENT OF SELLER IS AUTHORIZED TO DO SO. In no event shall Seller's liability for any breach of warranty exceed the purchase price of the material as to which a claim is made.

## **Directions For Use**

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

### ***Agricultural Use Requirements***

*Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. Refer to supplemental labeling under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.*

**SEE ENCLOSED FOLDER FOR DIRECTIONS FOR USE.**

**PLACE INSERT POUCH HERE**



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# Daconil 2787<sup>®</sup> Flowable Fungicide

## Turf and Ornamental Fungicide

**Active Ingredient:** Chlorothalonil  
(tetrachloroisophthalonitrile) 40.4%

**Inert Ingredients:** 59.6%

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**Total:** 100.0%

Contains 4.17 pounds chlorothalonil per gallon (500 grams per liter)

DACONIL 2787 and TURF CARE are Registered Trademarks of ISK Biotech Corporation.

**Keep Out of Reach of Children**

### **WARNING - AVISO**

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

See precautionary statements.

### **ISK Biotech Corporation**

5966 Heisley Road

P.O. Box 8000

Mentor, Ohio 44061-8000

EPA Reg. No. 50534-9

EPA Est. No. 50534-TX-01

3316-4060-8001-9306

**PRECAUTIONARY STATEMENTS**

**Hazards to Humans and Domestic Animals**

**WARNING - AVISO**

~~Causes substantial but temporary eye injury. Wear long sleeve shirt, long pants, gloves, goggles or face shield when handling this product.~~ Harmful if swallowed, or absorbed through the skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Avoid contact with skin. Do not get in eyes or on clothing. ~~Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.~~ DO NOT take internally.

Note to User: This product may produce mild bronchial irritation and temporary irritation of the skin characterized by redness or rash on exposed skin areas. Affected persons should consult a physician.

~~DO NOT apply this product in such a manner as to directly, or through drift, expose workers or other persons. The area being treated must be vacated by unprotected persons.~~

**FIRST AID**

If swallowed: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. DO NOT induce vomiting or give anything by mouth to an unconscious person.

If in eyes: Immediately flush eyes with plenty of water and continue for 15 minutes. Seek medical attention for eyes immediately.

If on skin: Wash with plenty of soap and water. Get medical attention.

Note to physician: Persons having temporary irritation may respond to treatment with antihistamines or steroid creams and/or systemic steroids.

**Personal Protective Equipment (PPE):**

*Applicators and other handlers must wear long sleeved shirt and long pants, waterproof gloves, shoes plus socks, and protective eyewear.*

*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.*

*When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.*

**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.

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish, aquatic invertebrates, and marine/estuarine organisms. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. 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 apply when weather conditions favor drift from treated areas. Apply only to areas specified on label. 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.

~~Note to User: Wear long sleeve shirt, long pants, gloves, and goggles or face shield while mixing, loading and applying this product.~~

*For any requirement 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 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., Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 48 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, waterproof gloves, shoes plus socks, and protective eyewear.*

DO NOT combine DACONIL 2787 Flowable Fungicide in the spray tank with pesticides, surfactants or fertilizers, unless your prior use has shown the combination physically compatible, effective and noninjurious under your conditions of use. DO NOT combine DACONIL 2787 Flowable Fungicide with Dipel 4L, Foil, Triton AG-98, Triton B-1956, Latron B-1956 or Latron AG-98 as phytotoxicity may result from the combination when applied to some species on this label.

Dipel is a registered trademark of Abbott Laboratories. Foil is a registered trademark of Ecogen Corporation. Triton AG-98, Triton B-1956, Latron B-1956 and Latron AG-98 are trademarks of Rohm and Haas Company.

The required amount of DACONIL 2787 Flowable Fungicide should be added slowly into the spray tank during filling. With concentrate sprays, pre-mix the required amount of DACONIL 2787 Flowable Fungicide in a clean container and add to the spray tank as it is being filled. Keep agitator running when filling spray tank and during spray operations.

**Golf Course Fairways, Lawns and Other Turfgrasses:**

Apply DAPONIL 2787 Flowable Fungicide in 30 to 40 gallons of water per acre. Begin applications when conditions favor disease development and repeat applications as long as these conditions persist. Under severe disease conditions use the highest rate and shortest interval corresponding with the application schedule selected from the table below.

DO NOT mow or water after treatment until spray deposited on turfgrass is thoroughly dry; DAPONIL 2787 Flowable Fungicide should always be used in conjunction with good turf management practices.

Diseases Controlled*	Interval of Application	Application Rate Per Acre
1. Dollar spot	7-10 days 14-21 days	4a/ to 8 pts 8 to 14 pts
2. Leaf spot, Melting-out, Brown blight	7-10 days 14-21 days	8 pts 8 to 14 pts
3. Brown patch	7-14 days	8 to 14 pts
4. Gray leaf spot	7-10 days	8 to 16 pts
5. Red thread	7-10 days	8 to 24 pts
6. Anthracnose	7-14 days	12 to 24 pts

a/ Low rate is not effective on intensively mowed turfgrasses such as golf course tees and greens.

**Golf Course Tees, Greens and Ornamental Turfgrass:**

Apply DAPONIL 2787 Flowable Fungicide in an adequate amount of water to provide complete coverage. This amount may vary from 90 to 450 gallons per acre. See below for suggested rates and timing. Under severe disease conditions, use the high rate and apply on a 7 day schedule.

Rate: Liquid Ounces  
Per 1,000 Sq. Ft.

Diseases Controlled*	Interval of Application	Before Disease Occurs	After Disease Has Occurred
1. Dollar spot	7-14 days	3 - 6	6 - 11
2. Brown patch	7-14 days	3 - 6	6 - 11
3. Leaf spots, Melting-out	7-10 days	3 - 6	6 - 11
4. Gray leaf spot	7-10 days	3 - 6	6 - 11
5. Red thread	7-10 days	3 - 9	9 - 11
6. Anthracnose	7-14 days	5 - 9	—
7. Copper spot	7-10 days	6 - 9	9 - 11
8. Stem rust (bluegrass)	7-14 days	6 - 9	9 - 11
9. DICHONDRA: Leaf spot (California only)	7-14 days	6 - 9	9 - 11

\*Diseases listed are caused by fungi, some of which are named as follows:

1. Dollar spot: *Sclerotinia homeocarpa*; *Lanzia* or *Moellerodiscus* spp.
2. Brown patch: *Rhizoctonia solani*, *R. zaeae*, *R. cerealis*
3. Leaf spots, Melting-out, Brown blight: *Drechslera* spp. (including *D. poae*, *D. siccans*), *Bipolaris sorokiniana*, *Curvularia* spp.
4. Gray leaf spot: *Pyricularia grisea*, *P. oryzae*

5. Red thread: *Laetisaria fuciformis*
6. Anthracnose: *Colletotrichum graminicola*
7. Copper spot: *Gloeocercospora sorghi*
8. Stem rust: *Puccinia graminis*
9. Dichondra leaf spot: *Alternaria* spp.

**Gray snow mold caused by *Typhula* spp.** - Apply in sufficient water to obtain adequate coverage (2 to 10 gallons per 1,000 square feet). Apply 8 to 16 fluid ounces of DACONIL 2787 Flowable Fungicide per 1,000 square feet of turf area. Application must be made before snow cover in autumn. Use the higher rate if turf layer remains frozen prior to snow cover. If snow cover is intermittent or lacking during the winter, re-apply DACONIL 2787 Flowable Fungicide at 8 fluid ounces per 1,000 square feet at monthly intervals until gray snow mold conditions no longer prevail. In areas where pink snow mold (*Gerlachia* or *Fusarium* patch) is likely to occur, apply DACONIL 2787 Flowable Fungicide at 8 fluid ounces per 1,000 square feet in combination with products containing either benomyl at 1 ounce active ingredient per 1,000 square feet, or iprodione at 2 ounces active ingredient per 1,000 square feet of turf area. Read and observe all label directions for products containing these active ingredients.

**Fusarium (*Gerlachia*) Patch:** For control of *Fusarium* patch only in areas where snow cover is intermittent or lacking during the winter, apply 8 to 14 fluid ounces of DACONIL 2787 Flowable Fungicide per 1,000 square feet of turf area. Begin applications in late autumn and re-apply at 21 to 28 day intervals until conditions favorable for *Fusarium* patch no longer prevail.

**Algal Scum:** For prevention of algal scum on turfgrasses caused by cyanobacteria of the genus *Lyngbia*, apply DACONIL 2787 Flowable Fungicide at the rate of 3 to 6 ounces per 1,000 square feet on a 7 to 14 day schedule. Under severe scum conditions, use the high rate and apply on a 7 day schedule. When algal scum is well established, every attempt should be made to dry out the afflicted area. Once dry, spiking or verticutting should be done to enhance turfgrass recovery in conjunction with DACONIL 2787 Flowable Fungicide applications at the rate of 6 to 11 ounces per 1,000 square feet on a 7 to 14 day schedule. Several applications of DACONIL 2787 Flowable Fungicide at the high rate may be necessary for turfgrass recovery. Only a preventive spray program with DACONIL 2787 Flowable Fungicide will prevent a recurrence of the algae when environmental conditions are favorable for algal growth.

#### **Ornamental Plants:**

Apply DACONIL 2787 Flowable Fungicide at a rate of 2 pints per 100 gallons of water unless other directions are given in the tables below. Apply in a spray to run-off, when conditions are favorable for disease development. Repeat applications at 7 to 14 day intervals until conditions are no longer favorable. During periods when conditions favor severe disease incidence, generally cloudy or wet weather, apply DACONIL 2787 Flowable Fungicide at 7 day intervals. DACONIL 2787 Flowable Fungicide should be applied to plants when both foliage and flowers are dry, or nearly dry.

DO NOT combine DACONIL 2787 Flowable Fungicide in the spray tank with pesticides, surfactants or fertilizers, unless your prior use has shown the combination to be physically compatible, effective and noninjurious under your conditions of use.

DACONIL 2787 Flowable Fungicide may be used in greenhouses. ~~Applicators and attending personnel should wear protective clothing including long sleeves, gloves, goggles or face shield plus a face fitting respirator specifically designed to remove organic pesticide vapors and particulates.~~ DO NOT use mistblowers or high pressure spray equipment when making applications of DACONIL 2787 Flowable Fungicide in greenhouses.

Use of DACONIL 2787 Flowable Fungicide is recommended for control of fungal diseases referred to by numbers in parentheses following each ornamental. Ornamentals listed on this label have been tested and found to tolerate applications of DACONIL 2787 Flowable Fungicide at the recommended rates. The user should test for possible phytotoxic responses, using recommended rates on ornamental plants on a small area prior to commercial use. Applications made during bloom may damage flowers and/or fruits.

**Fruits and other structures which may be borne on treated plants MUST NOT BE EATEN.**

### Ornamentals Recommended for Treatment With DACONIL 2787 Flowable Fungicide

#### BROADLEAF SHRUBS AND TREES

Andromeda (Pers.) (4)	Holly (1)
Ash (Fraxinus) (1)	Lilac (5)
Aspen (1)	Magnolia (1)
Azalea (1, 2, 4)	Maple (1)
Buckeye, Horsechestnut (1)	Mountain Laurel (1)
Cherry-Laurel (1)	Oak (red group only) (1, 7)
Crabapple (1, 6, 8)	Oregon-Grape (Mahonia) (6)
Dogwood (1)	Photinia (1)
Eucalyptus (1)	Poplar (1)
Euonymus (1)	Privet (Ligustrum) (1)
Freethorn (Pyracantha) (1)	Rhododendron (1, 2, 4)
Flowering Almond (1, 2)	Sand Cherry (1, 2)
Flowering Cherry (1, 2)	Sequoia (1)
Flowering Peach (1, 2)	Sawara (1)
Flowering Plum (1, 2)	Sycamores, Planetree (1)
Flowering Quince (1, 2)	Viburnum (5)
Hawthorn (1, 6)	Walnut (Juglans) (1)

#### FLOWERING PLANTS - and BULBS

Arabian Violet (2)	Iris (1, 2)
Begonia (1)	Lily (1)
Camellia (2)	Margold (1)
Carnation (1, 2)	Narcissus (1)
Chrysanthemum (1, 2)	Pansy (1)
Crocus (1)	Petunia (1, 4)
Daffodil (1)	Phlox (1)
Daisy (1)	Poinsettia (1)
Geranium (1, 6)	Rosa (1)
Gladiolus (1, 2)	Statice (1)
Hollyhock (6)	Tulip (1)
Hydrangea (foliage only) (1, 6)	Zinnia (1, 5)

a/ Avoid applications during bloom period on plants where flower injury is unacceptable

b/ Discontinue applications prior to bract formation; phytotoxicity is possible on the bracts

c/ Use 1.5 pints per 100 gallons of water

#### FOLIAGE PLANTS

Aglaonema (1)	Ming aralia (1)
Areca palm (1)	Oyster plant (Rhoeo) (1)
Artemesia (1)	Pachysandra (1)
Boston fern (1)	Parlor palm
Dumbcane (Dieffenbachia) (1)	(Chamaedorea) (1)
Dracaena (1)	Peperomia (1)
Fatsia (Aralia) (1)	Philodendron (1, 4)
Ficus (1)	Prayer plant (Maranta) (1)
Florida Ruffe Fern (1)	Syngonium (1)
Leatherleaf Fern (1)	Zebra plant (Aphelandra) (1)
Lipsick plant (1)	

d/ Use 4 pints of DACONIL 2787 Flowable Fungicide per 100 gallons of water

### Diseases Controlled with DACONIL 2787 Flowable Fungicide

#### 1. Leafspots/Leaf Blights:

Actinopeltis leafspot	Fabraea (Entomosporium) leafspot
Alternaria leafspot/leaf blight	Fusicladium leafspot
Anthrachnose leaf blotch, spot	Gymnosporium black leaf-spot
Anthrachnose (Discella) blight	Ink spot (Drechslera)
Ascochyta blight	Marssonina leafspot
Bipolaris (Helminthosporium) leafspot	Monilia blossom blight twig blight
Botrytis leafspot, leaf blight	Mycosphaerella ray blight
Cephalosporium leafspot	Myrothecium leafspot, brown rot
Cercospora leafspot	Nematostoma leaf blight
Cercosporidium leafspot	Phylosticta leafspot
Caryneum blight (shot-hole)	Rhizoctonia web blight
Corynespora leafspot	Ramularia leafspot
Curvularia leafspot	Septoria leafspot
Cylindrosporium leafspot	Sphaeropsis leafspot
Dactyloctenium leafspot	Stagonospora leaf scorch
Dialyptera leafspot	Tan leafspot (Curvularia)
Drachstera leafspot	Volvetia leaf blight

#### 2. Flower spots/blights:

Botrytis flower spot, flower blight	Ovulinia flower blight
Curvularia flower spot	Rhizopus blossom blight
Monilia blossom blight	Sclerotinia flower blight

#### 3. Cylindrocladium stem canker

#### 4. Phytophthora leaf blight, dieback

#### 5. Powdery mildews:

Erysiphe cichoracearum	Microsphaera spp
Gymnosporangium spp	Puccinia spp
Pucciniastrum hydrangeae	

#### 6. Rusts:

Gymnosporangium spp	Puccinia spp
Pucciniastrum hydrangeae	

#### 7. Tapetaria blight

#### 8. Scab (Venturia inaequalis)

The following ornamental plant species which have been tested with DACONIL 2787 Flowable Fungicide at recommended rates did not exhibit phytotoxicity:

Botanical Name	Common Name
Aechmea fasciata	Aechmea
Arctostaphylos heterophylla	Norfolk Island Pine
Aglaonema nidus	Birdnest Fern
Bougainvillea spp	Bougainvillea
Caladium spp.	Caladium
Calathea malloyana	Peacock plant
Calceolophus chinensis	Aster
Carrisa grandiflora	Natal plum
Clerodendron thomsonae	Bleeding Heart
Codiaeum spp	Croton
Cordyline terminalis	Ti Plant

Botanical Name	Common Name
Crassula argentea	Jade Plant
Cyrtanthium falcatum	Holly Leaf Fern
Dionaea muscipula	Venus Fly Trap
Dryopteris elegansiana	false Aralia
Epipremnum aureum	Golden Pothos, Scindapsus
Episcia cupreata	Flame Violet
Filipona spp	Silver-nerve Plant
Gerbera jamesonii	Gerbera Daisy
Gynura sarmentosa	Purple Passion Vine
Gypsophila paniculata	Baby's Breath
Hoya spp	Wax Plant
Ilex cornuta	Chinese Holly
Ilex crenata	Japanese Holly
Impatiens spp	Impatiens
Pilea caderei	Aluminum Plant
Platycodon spp	Staghorn Fern
Sansevieria trifasciata "Hahnii"	Birdnest Sansevieria
Tolmiea menziesii	Piggy-back Plant
Yucca elephantipes	Spineless Yucca
Zygocactus truncatus	Christmas Cactus

NOTE: DO NOT apply DACONIL 2787 Flowable Fungicide to either green or variegated Pittosporum or to Schefflera, as multiple applications have been demonstrated to cause phytotoxic responses

Disease Controlled	DACONIL 2787 Acre	Rate Per 100 GAL*	Application Directions
Swiss needlecast	4 to 8 pts	4 to 8 pts	Single application forest stands where growth is 1/2 to 2
Sclerotinia canker (pines), Swiss needlecast (Douglas-fir)	2 to 4 pts	2 to 4 pts	Make the first application to 2 inches in length intervals until cone For use in nursery week schedule.
Swiss needlecast	3 to 5 pts	3 to 5 pts	
Rhizosphaera needlecast (spruces), Scirrhia brown spot (pines)	8 pts	8 pts	
Cylindrocladium and Lophodermium needlecasts (pines)	4 to 8 pts	4 to 8 pts	Apply in early spring approximately 8 to late fall. Apply more where Lophodermium (Northwest). During period, then re-
Rhabdochloa needlecast (Douglas-fir)	2 to 4 pts	2 to 4 pts	Apply at budbreak when needles are fully developed in pine lar budbreak occur then every 3 to 4 the high rate on a
Botrytis seedling blight Phoma twig blight	2 to 4 pts	2 to 4 pts	Begin applications in-late and when cool. Make additional applications favorable

\* Volumetric rates to be used only with full dilute spray volume specified on this label

CONIFERS: Apply sufficient water uniform coverage ground equipment because ground coverage of the equipment is not Fungicide may 1 gallons per acre when treating n rate of DACONIL used. DO NOT a The following 4 gallons of spray

Forest stands  
Christmas trees

Nursery beds

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** apply this product through irrigation systems connected to a public water system. "Public water system" means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days per year.

Controls for both irrigation water and pesticide injection systems must be functionally interlocked, so as to automatically terminate pesticide injection when the irrigation water pump motor stops. A person knowledgeable of the irrigation system and responsible for its operation shall be present so as to discontinue pesticide injection and make necessary adjustments, should the need arise.

The irrigation water pipeline must be fitted with a functional, automatic, quick-closing check valve to prevent the flow of treated irrigation water back toward the water source. The pipeline must also be fitted with a vacuum relief valve and low pressure drain, located between the irrigation water pump and the check valve, to prevent back-siphoning of treated irrigation water into the water source.

**Always inject DACONIL 2787 Flowable Fungicide into irrigation water after it discharges from the irrigation pump and after it passes through the check valve. Never inject pesticides into the intake line on the suction side of the pump.**

Pesticide injection equipment must be fitted with a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump. Interlock this valve to the power system, so as to prevent fluid from being withdrawn from the chemical supply tank when the irrigation system is either automatically or manually turned off.

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 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.

Spray mixture in the chemical supply tank must be agitated at all times, otherwise settling and uneven application may occur. Do not apply when wind speed favors drift beyond the area intended for treatment.

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, in-patient 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.

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 printed 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.

All words shall consist of letters at least 2-1/2 inches tall, and all letters and the symbol shall be a color which sharply contrasts with their immediate background. At the top of the sign shall be the words KEEP OUT, followed by an octagonal stop sign symbol at least 8 inches in diameter containing the word STOP. Below the symbol shall be the words PESTICIDES IN IRRIGATION WATER.

*This sign is in addition to any sign posted to comply with the Worker Protection Standard.*

DACONIL 2787 Flowable Fungicide may be used through two basic types of sprinkler irrigation systems as outlined in Sections A and B below. Determine which type of system is in place, then refer to the appropriate directions provided for each type.

#### **A. Center Pivot, Motorized Lateral Move and Traveling Gun Irrigation Equipment**

For injection of pesticides, these continuously moving systems must use a positive displacement injection pump, of either diaphragm or piston type, constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock and capable of injection at pressures approximately 2-3 times those encountered within the irrigation water line. Venturi applicator units cannot be used on these systems.

Fill chemical supply tank of injection equipment with water. Operate system for one complete revolution or run across the field, measuring time required, amount of water injected, and acreage covered.

Thoroughly mix recommended amount of DACONIL 2787 Flowable Fungicide for acreage to be covered into same amount of water used during calibration and inject into system continuously for one revolution or run. Mixture in the chemical supply tank must be continuously agitated during the injection run. Shut off injection equipment after one revolution or run, but continue to operate irrigation system until DACONIL 2787 Flowable Fungicide has been cleared from last sprinkler head.

#### **B. Solid Set and Portable (Wheel Move, Side Roll, End Tow, or Hand Move) Irrigation Equipment**

With stationary systems, an effectively designed in-line venturi applicator unit is preferred which is constructed of materials that are compatible with pesticides; however, a positive-displacement pump can also be used.

Determine acreage covered by sprinkler. Fill tank of injection equipment with water and adjust flow to use contents over a thirty to forty-five minute period. Mix desired amount of DACONIL 2787 Flowable Fungicide for acreage to be covered with water so that the total mixture of DACONIL 2787 Flowable Fungicide plus water in the injection tank is equal to the quantity of water used during calibration, and operate entire system at normal pressures recommended by the manufacturer of injection equipment used, for amount of time established during calibration. Agitation is recommended. DACONIL 2787 Flowable Fungicide can be injected at the beginning or end of the irrigation cycle or as a separate application. Stop injection equipment after treatment is completed and continue to operate irrigation system until DACONIL 2787 Flowable Fungicide has been cleared from last sprinkler head.

### **STORAGE AND DISPOSAL**

DO NOT contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

**Storage:** Store in a cool place. Protect from excessive heat

**Pesticide Disposal:** Pesticide wastes are toxic. Improper disposal of excess pesticide, pesticide spray or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use 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:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**WARRANTY AND LIMITATION OF DAMAGES**

Seller warrants that this material conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use and Buyer assumes the risk of any use contrary to such directions. SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY, INCLUDING ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR OF MERCHANTABILITY, AND NO AGENT OF SELLER IS AUTHORIZED TO DO SO. In no event shall Seller's liability for any breach of warranty exceed the purchase price of the material as to which a claim is made.