



GROUP M FUNGICIDE

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

COMMERCIAL

Turf and Ornamental Fungicide

**GUARANTEE:**

Chlorothalonil (tetrachloroisophthalonitrile) ..... 40.4%

Contains 500 grams Chlorothalonil per Litre

Contains 1,2-benzisothiazolin-3-one at 0.01% as a preservative.

**READ THE LABEL AND PAMPHLET BEFORE USING  
KEEP OUT OF REACH OF CHILDREN**

**WARNING: CAUSES SEVERE EYE DAMAGE**  
See the side panel for additional precautionary statements

REGISTRATION NUMBER: **15724**  
PEST CONTROL PRODUCTS ACT

**Syngenta Canada Inc.**  
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Guelph, Ontario  
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Telephone: 1-877-964-3682

## NOTICE TO USER

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

## FIRST AID

**IN CASE OF POISONING**, contact a physician or a poison control centre **IMMEDIATELY**. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

**If swallowed**, call a poison control centre 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 centre or doctor. Do not give anything by mouth to an unconscious person.

**If in eyes**, hold eye open and rinse slowly and gently with water for 15–20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

**If on skin or clothing**, take off contaminated clothing. Rinse skin **IMMEDIATELY** with plenty of water for 15–20 minutes. Call a poison control centre or doctor for treatment advice.

**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 centre or doctor for further treatment advice.

## TOXICOLOGICAL INFORMATION

Treat symptomatically.

## PRECAUTIONS

**KEEP OUT OF REACH OF CHILDREN. Warning: Causes Severe Eye Damage.**

DO NOT get in eyes. Wear protective goggles or eye shield when handling this product. AVOID contact with skin or clothing. Wash exposed areas of skin with soap and warm water after handling or using. DO NOT take internally. AVOID breathing spray mist. This product may produce temporary allergic side effects, characterized by redness of the eyes, mild bronchial irritation and a redness or rash on exposed skin areas. DO NOT store near feed or foodstuffs. Store in a cool place. Protect from excessive heat. Apply only to areas specified on label.

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.

Keep out of lakes, streams, and ponds. DO NOT contaminate water by cleaning of equipment, or disposal of wastes. DO NOT apply where runoff is likely to occur. DO NOT apply when weather

conditions favour drift from areas being treated.

## **DISPOSAL OF UNUSED, UNWANTED PRODUCT**

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean up of spills.

### **CONTAINER DISPOSAL:**

#### **For recyclable containers:**

Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

***IN CASE OF EMERGENCY INVOLVING A MAJOR SPILL, FIRE OR POISONING,  
CALL 1-800-327-8633 (FASTMED)***

## **PRODUCT INFORMATION**

A BROAD SPECTRUM AGRICULTURAL FUNGICIDE FOR USE ON GOLF COURSE TEES, GREENS AND FAIRWAYS, ORNAMENTAL TURFGRASS AND ORNAMENTALS.

Read entire label carefully and use only as directed.

DACONIL 2787<sup>®</sup> Flowable Fungicide is formulated for use on golf course tees, greens and fairways, ornamental turfgrass and ornamental herbs, shrubs and trees. It is highly effective for the control of a broad spectrum of turf and ornamental plant diseases when it is used according to the directions on this product label. Thorough, uniform coverage of plant surfaces is essential for good disease control.

### **Mixing Instructions**

#### **DACONIL 2787 Flowable Fungicide Only**

Apply DACONIL 2787 Flowable Fungicide as a spray, using sufficient water to obtain adequate coverage of plant surfaces. Volume of spray to be used may vary, depending on crop and plant growth, from 200 to 4,000 litres per hectare for dilute sprays, and 50 to 100 litres per hectare for concentrate sprays. Use the higher spray volumes when foliage is dense and coverage is more difficult.

**Note:** Before preparing the spray mix, slowly invert the DACONIL 2787 Flowable Fungicide container several times to assure uniform mixture.

Add the required amount of DACONIL 2787 Flowable Fungicide to the spray tank while filling with water. Keep agitator running when filling spray tank and during spray operations.

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 non injurious under your conditions of use.

**DO NOT APPLY BY AIR.**

## DIRECTIONS FOR USE

Sod farm turf treated with Chlorothalonil prior to harvest must be mechanically cut, rolled and harvested.

This product is not to be used around homes or other residential areas such as parks, school grounds, playing fields. It is not for use by homeowners or other uncertified users.

Do not apply this product in a way that will contact workers or other persons or pets either directly or through drift. Only protected handlers may be in the area during application.

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

**Golf Course Fairways:** Apply DACONIL 2787 Flowable Fungicide 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.

Disease	Application Interval	Application Rate Litres Per Hectare
Sclerotinia dollar spot	7-14 days	4.8 to 9.5
Helminthosporium leafspot	7-14 days	9.5 to 19.0
Rhizoctonia brown patch	7-14 days	9.5 to 19.0

**Golf Course Tees and Greens and Ornamental Turfgrass:** Apply DACONIL 2787 Flowable Fungicide in an adequate amount of water to provide complete coverage. This amount may vary from 8 to 40 litres per 100 sq. metres. See below for suggested rates and timing. Under severe disease conditions, use the curative rates and spray on a 7 day schedule.

Disease	Interval of Application	RATE: Millilitres per 100 sq. Metres	
		Preventive*	Curative**
Dollar spot	7-14 days	95-190****	190-350
Helminthosporium leafspot and melting out	7-10 days	95-190	190-350
Large brown patch	7-10 days	95-190	190-350
Anthracnose	7-10 days	170-190	not-recommended
Gray snow mould ( <i>Typhula incarnata</i> ) and Pink snow mould ( <i>Microdochium nivale</i> )	—	240-500***	not-recommended

\* Recommended rates for preventing disease establishment; use lower rate as when disease conditions are light to moderate, higher indicated rates when conditions are severe.

\*\* Rates for use on a 7 day schedule when disease is present. Higher indicated rate should be applied

under severe conditions.

\*\*\* Apply DACONIL 2787 Flowable Fungicide at 500 millilitres or apply 240 millilitres as a tank mix with 125 to 250 millilitres of Rovral® Green GT 240 g/L per 100 sq. metres prior to snow cover in the fall and repeat in the early spring if conditions for snow mould continue to exist.

\*\*\*\* Apply DACONIL 2787 Flowable Fungicide at 190 millilitres as a tank mix with 26 millilitres of BANNER MAXX® Fungicide per 100 sq. metres and an interval of 21-28 days to control Dollar Spot.

### **Tank Mix Instructions:**

DACONIL 2787 Flowable Fungicide can be tank mixed with PRIMO MAXX® Turf Growth Regulator or Rovral Green GT for control of Grey snow mould and Pink snow mould only. Read the PRIMO MAXX, BANNER MAXX and Rovral Green GT labels and follow the precautionary statements and directions for use. Follow the most restrictive instructions and the greatest interval of application on the labels of the products to be tank-mixed.

1. Always check the compatibility of PRIMO MAXX, BANNER MAXX or Rovral Green GT tank mix using a jar test with proportionate amounts of DACONIL 2787 Flowable Fungicide, and the water, before mixing in the spray tank.
2. Provide sufficient jet or mechanical agitation during filling and application to keep the tank mix uniformly suspended.
3. Fill tank at least 1/2 full of clean water.
4. If using Rovral Green GT, PRIMO MAXX or BANNER MAXX as a tank mix partner add them first then add DACONIL 2787 Flowable Fungicide next.
5. Do not leave tank mix combinations in the spray tank for prolonged periods without agitation. Mix and apply them the same day.

**Ornamentals and Conifers:** Apply DACONIL 2787 Flowable Fungicide at rate of 2.5 litres per 1000 litres of water unless other directions are given in the tables below. For ornamentals, apply sufficient spray to obtain adequate coverage, but do not exceed 2000 litres of water per hectare. Begin applications as directed for each species and disease condition cited and repeat on a 7 to 14 day schedule until conditions are no longer favorable for disease development. During periods when conditions favor severe disease incidence, generally cloudy or wet weather, use the higher rate specified and the shortest indicated interval between applications.

DACONIL 2787 Flowable Fungicide may be used in greenhouse. Applicators and attending personnel should wear protective clothing including long sleeves, gloves, goggles or eye 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 disease control on the ornamentals and conifers listed in the tables below. Use of DACONIL 2787 Flowable Fungicide is not recommended for species that are not listed.

**ORNAMENTALS:**

<b>Species</b>	<b>Diseases Controlled</b>	<b>Suggested First Application</b>
<b>BROADLEAF SHRUBS AND TREES:</b>		
Ash ( <i>Fraxinus</i> )	Cercospora, Cercosporidium, Cylindrosporium leafspots	Spring bud break
Azalea*	Phytophthora die-back	New leaf emergence
Rhododendron*	Ovulinia flower blight	Early bloom
Buckeye, Horsechestnut	Leaf blotch, Anthracnose	Spring bud break
Cherry B Laurel	Cercospora leafspot	Petal fall
Crabapple	Scab, Cedar-apple rust, Sphaeropsis leafspot	Spring bud break
Dogwood	Septoria leafspot	Early bloom
Euonymus	Anthracnose	Spring bud break
Firethorn	Scab	Spring bud break
Flowering Almond, Quince, Sand Cherry	Monilinia blossom/branch blight	Early bloom
Hawthorn	Rust, Fabraea leafspot	Pre-bloom
Holly	Rhizoctonia web blight	Warm, moist conditions
Mountain Laurel	Cercospora leafspot	Spring bud break
Oak (red group only)	Taphrina blister, Actinopelte leafspot, Anthracnose	Dormant budswell
Oregon B Grape ( <i>Mahonia</i> )	Rust	Spring bud break
Photinia	Fabraea (Entomosporium) leafspot	Spring bud break
Pieris ( <i>Andromeda</i> )	Phytophthora die-back	New leaf emergence
Poplar	Marssonina leafspot	Spring bud break
Privet	Cercospora leafspot	Prolonged wet conditions
Sycamore, Planetree	Anthracnose	Spring bud break
Viburnum	Powdery mildew	Mid-summer

Species	Diseases Controlled	Suggested First Application
<b>BULBS AND FLOWERING PLANTS:</b>		
Carnation	Alternaria leafspot/branch rot, Botrytis flower blight	Transplant of cuttings; cool, moist conditions
Chrysanthemum/Daisy	Mycosphaerella ray blight, Septoria leafspot, Botrytis flower blight (gray mould)	Transplant of cuttings Pre-bloom
Geranium	Botrytis blight, rust	Cool, moist conditions
Gladiolus	Curvularia leaf/ flower spot, Botrytis leaf/flower spot	Early propagation
Hollyhock	Rust	Early seedling stage
Hydrangea* (foliage only)	Cercospora and Septoria leafspots, Rust	Early propagation
Iris	Botrytis blossom blight, Didymellina leafspot	Cool, moist conditions
Lily	Botrytis gray mould	Pre-bloom
Petunia*	Phytophthora blight (foliar phase), Botrytis blight	Pre-bloom
Rose (Use 1.8 L per 1000 L)	Black spot, Botrytis blight	Spring bud break
Statice	Anthracoise, Cercospora, Alternaria, Botrytis leaf blights	Spring bud break
Zinnia	Powdery mildew	First sign of disease
<b>FOLIAGE PLANTS</b>		
Dracaena	Fusarium leafspot	Pre-transplant
Pachysandra (Use 5 L per 1000 L)	Volutella leaf blight	Spring bud break
Leatherleaf fern	Ascochyta blight, Cercospora leafspot, Cylindrocladium leafspot, Rhizoctonia blight	Spring bud break
Parlor palm ( <i>Chamaedorea</i> )	Bipolaris (Helminthosporium) leafspot	Cool, moist conditions
Prayer plant ( <i>Maranta</i> )	Helminthosporium leafspot	Early propagation
Oyster plant ( <i>Rhoeo</i> )	Tan leafspot	Early propagation
Syngonium	Cephalosporium leafspot	Warm, moist conditions
Philodendron	Phytophthora blight, Dactylaria leafspot	Moist conditions

\* Discolouration of blooms has been noted on certain varieties when applications are made during flowering.

**CONIFERS:**

<b>Diseases Controlled</b>	<b>DACONIL 2787 Flowable Fungicide Rate/Hectare</b>	<b>Application Directions</b>
Scleroderris Canker (pines), Swiss Needlecast and Rhabdocline Needlecast (Douglas fir)	2.4 to 4.8 L	Apply 100 to 1000 litres of water per hectare. Make first application in spring when new shoot growth is 1 to 5 cm in length. Make additional applications 3 to 4 week intervals until conditions no longer favor disease development. For use in nursery beds, apply the highest rate specified on a 3 week schedule.
Sirococcus Tip Blight	3.6 to 6 L	
Rhizosphaera Needlecast (spruces), Scirrhia brown spot (pines)	9.5 L	
Lophodermium Needlecast	2.4 to 4.8 L	Apply in 100 to 1000 litres of water per hectare. Begin applications in mid-July to early August before infection occurs. Make additional applications at 3 to 4 week intervals until conditions no longer favor disease development. For use in nursery beds, apply 4.8 L/ha on a 3 week schedule.
Botrytis seedling blight, Phoma twig blight	2.4 to 4.8 L	Apply in 100 to 1000 litres of water per hectare. Begin applications in nursery beds when seedlings are 10 cm tall and when cool, moist conditions favor disease development. Make additional applications at 7 to 14 day intervals as long as disease favorable conditions persist.

**Resistance Management Recommendations**

For resistance management, DACONIL 2787 Flowable Fungicide contains a Group M fungicide. Any fungal population may contain individuals naturally resistant to DACONIL 2787 Flowable Fungicide and other Group M fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same fields. Other resistance mechanisms that are not linked to site of action but specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance management strategies should be followed.

**To delay fungicide resistance:**

Where possible, rotate the use of DACONIL 2787 Flowable Fungicide or other Group M fungicides with different groups that control the same pathogens.

Avoid application of more than the maximum number listed in the label and consecutive sprays of DACONIL 2787 Flowable Fungicide or other fungicides in the same group in a season.

Fungicide use should be based on an IPM program that includes scouting, historical information related to pesticide use and crop rotation and considers cultural, biological and other chemical control practices.

Monitor treated fungal populations for sign of resistance development. If disease continues to progress after treatment with this product, do not increase the use rate. Discontinue use of this product, and switch to another fungicide with a different target site of action, if available.



Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for specific crops and disease problems in your area.

For further information or to report suspected resistance, contact company representatives at 1-87-SYNGENTA (1-877-964-3682) or at [www.syngenta.ca](http://www.syngenta.ca).

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