GROUP M5 FUNGICIDE

DACONIL 2787® Flowable Fungicide

COMMERCIAL

SUSPENSION

Turf and Ornamental Fungicide

ACTIVE INGREDIENT:
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

WHEN USING THIS PRODUCT, MIXERS AND LOADERS CANNOT HANDLE MORE THAN 340 KG A.I. (680 L) PER PERSON PER DAY

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

NET CONTENTS : **1 L to 10 L**

Syngenta Canada Inc.
140 Research Lane, Research Park
Guelph, Ontario N1G 4Z3
Telephone: 1-877-964-3682

1.0 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.

2.0 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.

3.0 TOXICOLOGICAL INFORMATION

Treat symptomatically.

4.0 PRECAUTIONS

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

Restricted Entry Interval: DO NOT re-enter treated areas within 12 hours except for following activities for crops listed:

Crop	Activity	Restricted Entry Interval (REI) (days)
Conifers, outdoor	Harvesting (seedling production)	15
	Handset irrigation	11
	Harvest (seed cone), Christmas trees	7
	Scouting, shaping	1
Outdoor Ornamentals (not grown for cut flowers) except roses and *pachysandra*	Handset Irrigation	3
Outdoor Ornamentals (cut flowers except roses)	Hand harvesting, disbudding, hand pruning	10
Outdoor Roses (not grown for cut flowers)	Handset Irrigation	1
Outdoor *pachysandra*	Handset Irrigation	2
Turf	All activities	Until sprays have dried
Turf – Golf Courses and Sod Farms	All activities	Until sprays have dried

Not for use on greenhouse ornamental cut flowers. Not for use on roses grown for cut flowers.

Do not allow the public to enter into treated golf courses following late fall application for snow mould.

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. Apply only to areas specified on label.

Apply only when the potential for drift to non-target areas of human habitation and areas of human activity such as houses, cottages, schools and recreational areas is minimal. Take into consideration wind speed, wind directions, temperature inversions, application equipment, and sprayer settings.

DO NOT apply by air**.**

WHEN USING THIS PRODUCT, MIXERS AND LOADERS CANNOT HANDLE MORE THAN 340 KG A.I. (680 L) PER PERSON PER DAY.

5.0 PERSONAL PROTECTIVE EQUIPMENT (PPE)

Wear coveralls over a long-sleeved shirt and long pants, chemical resistant gloves, socks and shoes, and protective goggles or a face shield during mixing, loading, clean-up, and repair activities. Wear a long sleeved-shirt, long pants, chemical resistant gloves, socks and shoes, a chemical resistant apron and protective goggles or a face shield during application. Gloves are not required during application within a closed cab.

Mixers/loaders/applicators in greenhouses must wear a respirator with a NIOSH-approved organic vapour-removing cartridge with a prefilter approved for pesticides OR a NIOSH-approved canister approved for pesticides.

Remove clothing/PPE 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 with

soap and water before removing.

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.

Wear freshly laundered clothes daily.

Do not wear contaminated shoes.

All users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

6.0 ENVIRONMENTAL PRECAUTIONS

TOXIC to aquatic organisms and non-target terrestrial plants. Observe spray buffer zones specified under DIRECTIONS FOR USE.

This product demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this product in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

To reduce runoff from treated areas into aquatic habitats avoid application to areas with a moderate to steep slope, compacted soil, or clay.

Avoid application when heavy rain is forecast.

To reduce risk to aquatic organisms from runoff, a vegetative filter strip of at least 10 metres wide between the field edge and adjacent, downhill aquatic habitats must be observed, as specified under DIRECTIONS FOR USE.

Keep out of lakes, streams, and ponds. DO NOT contaminate irrigation or drinking water supplies or aquatic habitats 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.

7.0 STORAGE

Keep in original container, tightly closed, during storage. Store in a cool, dry, well ventilated area away from feed and foodstuffs, and out of the reach of children and animals. Protect from excessive heat. If frozen, allow to thaw and agitate thoroughly prior to use. Store this product away from food or feed.

8.0 DISPOSAL

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

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/territorial requirements.

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

DACONIL 2787® and Weather Stik® are trademarks of a Syngenta Group Company.

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Pamphlet

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This product demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this product in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

To reduce runoff from treated areas into aquatic habitats avoid application to areas with a moderate to steep slope, compacted soil, or clay.

Avoid application when heavy rain is forecast.

To reduce risk to aquatic organisms from runoff, a vegetative filter strip of at least 10 metres wide between the field edge and adjacent, downhill aquatic habitats must be observed, as specified under DIRECTIONS FOR USE.

Keep out of lakes, streams, and ponds. DO NOT contaminate irrigation or drinking water supplies or aquatic habitats 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.

7.0 STORAGE

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9.0 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® 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.

10.0 DIRECTIONS FOR USE

10.1 General Information

As this product is not registered for the control of pests in aquatic systems, DO NOT use to control aquatic pests. **DO NOT** apply this product directly to aquatic habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs, ditches, and wetlands), estuaries, or marine habitats.

DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

DO NOT apply this product through any type of irrigation system.

DO NOT use on greenhouse-grown agricultural crops, with the exception of the uses outlined under the Directions for Use.

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

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.

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.

DO NOT allow release, effluent or runoff from greenhouses containing this product to enter lakes, streams, ponds or other bodies of waters.

10.2 Application Instructions

Field sprayer application: **DO NOT** apply during periods of dead calm. Avoid application of this product when winds are gusty. **DO NOT** apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE S572.1) fine classification. Boom height must be 60 cm or less above the crop or ground.

DO NOT apply by air.

10.3 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 apply by air**.**

10.3.1 Tank Mix Instructions

This product may be tank mixed with a fertilizer, a supplement, or with registered pest control products, whose labels also allow tank mixing, provided the entirety of both labels, including Directions For Use, Precautions, Restrictions, Environmental Precautions, and Spray Buffer Zones are followed for each product. In cases where these requirements differ between the tank mix partner labels, the most restrictive label must be followed. Do not tank mix products containing the same active ingredient unless specifically listed on this label.

In some cases, tank mixing pest control products can result in reduced pesticide efficacy or increased host crop injury. The user should contact Syngenta Canada Inc. at 1-87-SYNGENTA (1-877-964-3682) for information before applying any tank mix that is not specifically recommended on

this label.

Syngenta Canada Inc. has not fully assessed performance (efficacy) and/or crop tolerance (phytotoxicity) of all potential tank-mixes under all environmental conditions or for all crop varieties. Tank mixes that are not specifically listed on this label should be tested on a small area first, under local conditions and using standard practices, to confirm the tank mix is suitable for widespread application.

To determine the physical compatibility of this product with other products, use a jar test.

Always read and follow label directions including WALES mixing order.

10.4 Vegetative Filter Strips

A Vegetative Filter Strip (VFS) of at least 10 metres wide must be constructed and maintained. The VFS is required between the field edge and adjacent, downhill aquatic habitats to reduce risk to aquatic organisms from run-off. Aquatic habitats include, but are not limited to, lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, and estuaries.

The VFS is to be composed of grasses and may also include shrubs, trees, or other vegetation. Additional guidance can be found on the PMRA Environmental Risk Mitigation webpages.

Both VFS and spray drift buffer zones must be observed.

10.5 Spray Drift Buffer Zones

Spray drift buffer zones are to protect terrestrial and aquatic habitats from spray drift. Spray drift buffer zones are a separate requirement from VFS which are required to mitigate risks from run-off.

DO NOT apply by air.

A spray buffer zone is NOT required for:

- uses with hand-held application equipment permitted on this label.

The spray buffer zones specified in the table below are required between the point of direct application and the closest downwind edge of sensitive terrestrial habitats (such as grasslands, forested areas, shelter belts, woodlots, hedgerows, riparian areas, and shrublands), sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs, and wetlands) and estuarine/marine habitats.

Method of Application	Crop	Spray Buffer Zones (metres) Required for the Protection of:			
		Freshwater Habitats of Depths:		Estuarine/Marine Habitats of Depths:	
		Less than 1 m	Greater than 1 m	Less than 1 m	Greater than 1 m
Field Sprayer	Turf, golf courses	15	2	15	5
	Outdoor Ornamentals (excluding *Pachysandra*)	4	1	4	2
	Outdoor *Pachysandra*, conifers - outdoor	5	1	5	3

When tank mixes are permitted, consult the labels of the tank mix partners and observe the largest (most restrictive) spray buffer zone of the products involved in the tank mixture and apply using the coarsest spray (ASAE) category indicated on the labels for those tank mix partners.

The spray drift buffer zones for this product can be modified based on weather conditions and spray equipment configuration by accessing the Buffer Zone Calculator on the Canada.ca web site.

11.0 CROP USE DIRECTIONS

11.1 Turf and Golf Course Fairways

Golf Course Fairways: Apply DACONIL 2787 Flowable Fungicide when conditions favor disease development and make a second application if necessary. Under severe disease conditions use the highest rate and shortest interval corresponding with the application schedule selected from the table below.

Application of any product containing chlorothalonil cannot be made more frequently than the Retreatment Intervals stated below.

Crop	**Turf and Golf Course Fairways**
Disease	Sclerotinia dollar spot (*Sclerotinia homoeocarpa*)
Application Rate	48 - 95 mL/100 m^2
Application Interval (days)	7 days at the lower rate or 14 days at the higher rate
Disease	Helminthosporium leafspot (*Helminthosporium* spp.) Rhizoctonia brown patch (*Rhizoctonia solani*)

Application Rate	95 - 190 mL/100 m^2
Application Interval (days)	14
Restrictions	Application of any product containing chlorothalonil cannot be made more frequently than 2 times anywhere on the golf course according to the use directions, other than 1 additional application for snow mould control. In season application of chlorothalonil on a given day, to any or all specified turf area, is recognized as 1 application. In addition, a second application can be made to any or all specified turf areas. This would be recognized as the second and final application even in the event that the same area might not have been treated twice. In addition, there is an allowance for a snow mould application in the fall with a product containing chlorothalonil.

11.2 Golf Course Tees and Greens and Ornamental Turfgrass

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.

Application of any product containing chlorothalonil cannot be made more frequently than the Retreatment Intervals stated below.

Crop	**Golf Course Tees and Greens and Ornamental Turfgrass**
Disease	Dollar Spot (*Sclerotinia homoeocarpa*)
Application Rate	95 – 190 mL/100 m^2
Application Interval (days)	7 days at the lower rate or 14 days at the higher rate
Disease	Helminthosporium leafspot and melting out (*Helminthosporium* spp.) Large brown patch (*Rhizoctonia solani*) Anthracnose (*Colletotrichum* spp.)
Application Rate	95 -190 mL/100 m^2
Application Interval (days)	14
Restrictions	Application of any product containing chlorothalonil cannot be made more frequently than 2 times anywhere on the golf course according to the use directions, other than 1 additional application for snow mould control. In season application of chlorothalonil on a given day, to any or all specified turf area, is recognized as 1 application. In addition, a second application can be made to any or all specified turf areas. This would be recognized as the second and final application even in the event that the same area might not have been treated twice. In addition, there is an allowance for a snow mould application in the fall with a product containing chlorothalonil.
Comments	When a rate range is specified, use the lower rate as when disease conditions are light to moderate, higher indicated rates when conditions are severe.
Disease	Gray snow mould (*Typhula incarnata*) and Pink snow mould (*Microdochium nivale*)
Application Rate	240 mL/100 m^2
Comments	For snow mould application apply DACONIL 2787 Flowable Fungicide prior to snow cover in the fall. DO NOT make more than 1 application per year to control snow mould.

11.3 Outdoor Ornamentals (not grown for cut flowers) (except Roses and *Pachysandra*)

Outdoor Ornamentals (not grown for cut flowers) (except Roses and *Pachysandra*): Apply DACONIL 2787 Flowable Fungicide at rate of 2.5 litres per 1000 litres of water. 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 7 to 14 days later. During periods when conditions favor severe disease incidence, generally cloudy or wet weather, use the shortest indicated interval between applications. Do not make more than 2 applications per year.

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.

Application of any product containing chlorothalonil cannot be made more frequently than the Retreatment Intervals stated above.

Species	Diseases Controlled	Suggested First Application
BROADLEAF SHRUBS AND TREES		
Ash (*Fraxinus*)	Leafspots caused by *Cercospora beticola*, *Cercosporidium* spp., and *Cylindrosporium fraxini*	Spring bud break
Azalea*	Phytophthora die-back (*Phythophthora cinnamomi*)	New leaf emergence
Rhododendron*	Ovulinia flower blight (*Ovulinia azalea*)	Early bloom
Buckeye, Horsechestnut	Leaf blotch (*Alternaria* spp.), Anthracnose (*Colletotrichum* spp.)	Spring bud break
Cherry B Laurel	Cercospora leafspot (*Cercospora beticola*)	Petal fall
Crabapple	Scab (*Venturia inaequalis*), Cedar-apple rust (*Gymnosporangium juniperi-virginianae*), Sphaeropsis leafspot (*Sphaeropsis sapinea*)	Spring bud break
Dogwood	Septoria leafspot (*Septoria* spp.)	Early bloom
Euonymus	Anthracnose (*Colletotrichum* spp.)	Spring bud break
Firethorn	Scab (*Venturia inaequalis*)	Spring bud break
Flowering Almond, Quince, Sand Cherry	Monilinia blossom/branch blight (*Monilia fruitocola*)	Early bloom
Hawthorn	Rust (*Gymnosporangium* spp.), Fabraea leafspot (*Fabraea maculate*)	Pre-bloom
Holly	Rhizoctonia web blight (*Rhizoctonia* spp.)	Warm, moist conditions
Mountain Laurel	Cercospora leafspot (*Cercospora beticola*)	Spring bud break
Oak (red group only)	Taphrina blister (*Taphrina caerulescens*), Actinopelte leafspot (*Tubakia dryina*), Anthracnose (*Colletotrichum* spp.)	Dormant budswell
Oregon B Grape (*Mahonia*)	Rust (*Gymnosporangium* spp.)	Spring bud break
Photinia	Fabraea (Entomosporium) leafspot (*Fabraea maculate*)	Spring bud break

Species	Diseases Controlled	Suggested First Application
BROADLEAF SHRUBS AND TREES		
Pieris (*Andromeda*)	Phytophthora die-back (*Phythophthora cinnamomi*)	New leaf emergence
Poplar	Marssonina leafspot (*Marssonina* spp.)	Spring bud break
Privet	Cercospora leafspot (*Cercospora beticola*)	Prolonged wet conditions
Sycamore, Planetree	Anthracnose (*Colletotrichum* spp.)	Spring bud break
Viburnum	Powdery mildew (*Erysiphe sparsa*)	Mid-summer

11.4 Greenhouse Ornamentals (not grown for cut flowers) (except Roses)

Greenhouse Ornamentals (not grown for cut flowers) (except Roses): Apply DACONIL 2787 Flowable Fungicide at rate of 2.5 litres per 1000 litres of water. Apply sufficient spray to obtain adequate coverage, but do not exceed 1000 litres of water per hectare. Do not make more than 1 application per year.

DACONIL 2787 Flowable Fungicide may be used in greenhouses. 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 listed in the tables below. Use of DACONIL 2787 Flowable Fungicide is not recommended for species that are not listed.

Species	Diseases Controlled	Suggested Application Timing
BROADLEAF SHRUBS AND TREES		
Ash (*Fraxinus*)	Leafspots caused by *Cercospora beticola*, *Cercosporidium* spp., *Cylindrosporium fraxini*	Spring bud break
Azalea*	Phytophthora die-back (*Phythophthora cinnamomi*)	New leaf emergence
Rhododendron*	Ovulinia flower blight (*Ovulinia azalea*)	Early bloom
Buckeye, Horsechestnut	Leaf blotch (*Alternaria* spp.), Anthracnose (*Colletotrichum* spp.)	Spring bud break
Cherry B Laurel	Cercospora leafspot (*Cercospora beticola*)	Petal fall
Crabapple	Scab (*Venturia inaequalis*), Cedar-apple rust (*Gymnosporangium juniperi-virginianae*), Sphaeropsis leafspot (*Sphaeropsis sapinea*)	Spring bud break
Dogwood	Septoria leafspot (*Septoria* spp.)	Early bloom
Euonymus	Anthracnose (*Colletotrichum* spp.)	Spring bud break
Firethorn	Scab (*Venturia inaequalis*)	Spring bud break
Flowering Almond, Quince, Sand Cherry	Monilinia blossom/branch blight (*Monilia fruitocola*)	Early bloom
Hawthorn	Rust (*Gymnosporangium* spp.), Fabraea leafspot (*Fabraea maculate*)	Pre-bloom
Holly	Rhizoctonia web blight (*Rhizoctonia*	Warm, moist conditions

Species	Diseases Controlled	Suggested Application Timing
BROADLEAF SHRUBS AND TREES		
	spp.)	
Mountain Laurel	Cercospora leafspot (*Cercospora beticola*)	Spring bud break
Oak (red group only)	Taphrina blister (*Taphrina caerulescens*), Actinopelte leafspot (*Tubakia dryina*), Anthracnose (*Colletotrichum* spp.)	Dormant budswell
Oregon B Grape (*Mahonia*)	Rust (*Gymnosporangium* spp.)	Spring bud break
Photinia	Fabraea (Entomosporium) leafspot (*Fabraea maculate*)	Spring bud break
Pieris (*Andromeda*)	Phytophthora die-back (*Phythophthora cinnamomi*)	New leaf emergence
Poplar	Marssonina leafspot (*Marssonina* spp.)	Spring bud break
Privet	Cercospora leafspot (*Cercospora beticola*)	Prolonged wet conditions
Sycamore, Planetree	Anthracnose (*Colletotrichum* spp.)	Spring bud break
Viburnum	Powdery mildew (*Erysiphe sparsa*)	Mid-summer

11.5 Outdoor Ornamentals (cut flowers except Roses)

Outdoor Ornamentals (cut flowers except Roses): Apply DACONIL 2787 Flowable Fungicide at rate of 2.5 litres per 1000 litres of water. For ornamentals, apply sufficient spray to obtain adequate coverage, but do not exceed 2000 litres of water per hectare. Do not make more than 1 application per year.

Species	Diseases Controlled	Suggested Application Timing
BULBS AND FLOWERING PLANTS		
Carnation	Alternaria leafspot/branch rot (*Alternaria* spp.), Botrytis flower blight (*Botrytis cinerea*)	Transplant of cuttings; cool, moist conditions
Chrysanthemum/Daisy	Mycosphaerella ray blight (*Mycosphaerella ligulicola*), Septoria leafspot (*Septoria* spp.), Boytrytis flower blight (gray mould) (*Botrytis cinerea*)	Transplant of cuttings Pre-bloom
Geranium	Botrytis blight (*Botrytis cinerea*), Rust (*Gymnosporangium* spp.)	Cool, moist conditions
Gladiolus	Curvularia leaf/ flower spot (*Curvularia gladioi*), Botrytis leaf/flower spot (*Botrytis cinerea*)	Early propagation
Hollyhock	Rust (*Gymnosporangium* spp.)	Early seedling stage
Hydrangea* (foliage only)	Cercospora leafspot (*Cercospora beticola*) Septoria leafspot (*Septoria* spp.), Rust (*Gymnosporangium* spp.)	Early propagation
Iris	Botrytis blossom blight (*Botrytis cinerea*), Didymellina leafspot (*Didymellina macrospora*)	Cool, moist conditions
Lily	Botrytis gray mould (*Botrytis cinerea*)	Pre-bloom

Species	Diseases Controlled	Suggested Application Timing
BULBS AND FLOWERING PLANTS		
Petunia*	Phytophthora blight (foliar phase) (*Phytophthora capsici*), Botrytis blight (*Botrytis cinerea*)	Pre-bloom
Statice	Anthracnose (*Colletotrichum* spp.), Cercospora (*Cercospora beticola*), Alternaria (*Alternaria spp.*), Botrytis leaf blight (*Botrytis cinerea*)	Spring bud break
Zinnia	Powdery mildew (*Erysiphe sparsa*)	First sign of disease
FOLIAGE PLANTS		
Dracaena	Fusarium leafspot (*Fusarium moniliforme*)	Pre-transplant
Leatherleaf fern	Ascochyta blight (*Ascochyta* spp.), Cercospora leafspot (*Cercospora beticola*), Cylindrocladium leafspot (*Cylindrosporium fraxini*), Rhizoctonia blight (*Rhizoctonia solani*)	Spring bud break
Parlor palm (*Chamaedorea*)	Bipolaris leafspot (*Helminthosporium* spp.)	Cool, moist conditions
Prayer plant (*Maranta*)	Helminthosporium leafspot (*Helminthosporium* spp.)	Early propagation
Oyster plant (*Rhoeo*)	Tan leafspot (*Curvularia eragrostidis*)	Early propagation
Syngonium	Cephalosporium leafspot (*Cephalosporium cinnamomeum*)	Warm, moist conditions
Philodendron	Phytophthora blight (*Phytophthora capsici*), Dactylaria leafspot (*Dactylaria humicola*)	Moist conditions

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

11.6 Outdoor Roses (not grown for cut flowers)

Outdoor Roses: Apply DACONIL 2787 Flowable Fungicide at rate of 1.8 litres per 1000 litres of water. Apply sufficient spray to obtain adequate coverage, but do not exceed 2000 litres of water per hectare. Begin applications as directed below and repeat 7 to 14 days later. During periods when conditions favor severe disease incidence, generally cloudy or wet weather, use the shortest indicated interval between applications. Do not make more than 2 applications per year.

Application of any product containing chlorothalonil cannot be made more frequently than the Retreatment Intervals stated above.

Species	Diseases Controlled	Suggested Application Timing
Rose	Black spot (*Diplocarpon rosae*), Botrytis blight (*Botrytis cinerea*)	Spring bud break

11.7 Greenhouse Roses (not grown for cut flowers)

Greenhouse Roses: Apply DACONIL 2787 Flowable Fungicide at rate of 1.8 litres per 1000 litres of water. For ornamentals, apply sufficient spray to obtain adequate coverage, but do not exceed 1000 litres of water per hectare. Begin applications as directed below. Do not make more than 1 application per year.

Species	Diseases Controlled	Suggested Application Timing
Rose	Black spot (*Diplocarpon rosae*), Botrytis blight (*Botrytis cinerea*)	Spring bud break

11.8 Outdoor Pachysandra

Outdoor *Pachysandra*: Apply DACONIL 2787 Flowable Fungicide at rate of 5.0 litres per 1000 litres of water. Apply sufficient spray to obtain adequate coverage, but do not exceed 2000 litres of water per hectare. Do not make more than 1 application per year.

Species	Diseases Controlled	Suggested Application Timing
Pachysandra	Volutella leaf blight (*Volutella pachysandrae*)	Spring bud break

11.9 Conifers

Application of any product containing chlorothalonil cannot be made more frequently than the Retreatment Intervals stated below.

Crop	Conifers*
Diseases Controlled	Scleroderris Canker (*Gremmeniella abietina*) (pines) Swiss Needlecast (*Phaeocryptopus gaeumannii*) and Rhabdocline Needlecast (*Rabdocline weirii*) (Douglas-fir)
Use Rate (L/ha)	2.4 – 4.8
Application Directions	Apply in 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 second application 3 to 4 weeks later.
Diseases Controlled	Sirococcus Tip Blight (*Sirococcus strobilinus*)
Use Rate (L/ha)	3.6 - 6
Application Directions	Apply in 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 second application 3 to 4 weeks later.
Diseases Controlled	Rhizosphaera Needlecast (*Rhizosphaera kalkhoffii*) (spruces) Scirrhia brown spot (*Scirrhia acicula*) (pines)
Use Rate (L/ha)	9.5
Application Directions	Apply in 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 second application 3 to 4 weeks later.

Diseases Controlled	Lophodermium Needlecast (*Lophodermium seditiosum*)
Use Rate (L/ha)	2.4 – 4.8
Application Directions	Apply in 100 to 1000 litres of water per hectare. Begin applications in mid-July to early August before infection occurs. Make second application 3 to 4 weeks later.
Diseases Controlled	Botrytis seedling blight (*Botrytis cinerea*) Phoma twig blight (*Phoma glomerata*)
Use Rate (L/ha)	2.4 – 4.8
Application Directions	Apply in 100 to 1000 litres of water per hectare. Make second application 7 to 14 days later.

* Do not make more than two applications per year on conifers.

Crop	**Conifer Nursery Beds***
Diseases Controlled	Sirococcus tip blight (*Sirococcus strobilinus*) Lophodermium needlecast (*Lophodermium seditiosum*) Scleroderris canker (*Gremmeniella abietina*) (pines) Scirrhia brown spot (*Scirrhia acicula*) (pines) Swiss needlecast (*Phaeocryptopus gaeumannii*) (Douglas-fir) Rhabdocline needlecast (*Rabdocline weirii*) (Douglas-fir) Rhizosphaera needlecast (*Rhizosphaera kalkhoffii*) (spruces)
Use Rate (L/ha)	2.4
Application Directions	Apply in 100 to 1000 litres of water per hectare.
Diseases Controlled	Botrytis seedling blight (*Botrytis cinerea*) Phoma twig blight (*Phoma glomerata*)
Use Rate (L/ha)	2.4
Application Directions	Apply in 100 to 1000 litres of water per hectare. Apply in nursery beds when seedlings are 10 cm tall and when cool, moist conditions favour disease development.

* Do not make more than one application per year on conifer nursery beds.

12.0 RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, DACONIL 2787 Flowable Fungicide contains a Group M5 fungicide. Any fungal population may contain individuals naturally resistant to DACONIL 2787 Flowable Fungicide and other Group M5 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 M5 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.

Use tank mixtures with fungicides from a different group that is effective on the target pathogen when such use is permitted.

Fungicide use should be based on an integrated disease management program that includes scouting, historical information related to pesticide use and crop rotation and considers host plant resistance, impact of environmental conditions on disease development, disease thresholds, as well as cultural, biological and other chemical control practices.

Where possible, make use of predictive disease models to effectively time fungicide applications.

Monitor treated fungal populations for sign of resistance development. Notify Syngenta Canada Inc. if reduced sensitivity of pathogen to DACONIL 2787 Flowable Fungicide is suspected.

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.

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