

GROUP	M	FUNGICIDE
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**Daconil® Ultrex 90 SDG
Turf Care®**

Turf and Ornamental Fungicide
(90% Water Dispersible Granules)

COMMERCIAL

GUARANTEE:
Chlorothalonil (tetrachloroisophthalonitrile) 90%

**READ COMPLETE LABEL AND BROCHURE BEFORE USING
KEEP OUT OF REACH OF CHILDREN**

DANGER: Causes Severe Eye Damage

REGISTRATION NO. **24794**
PEST CONTROL PRODUCTS ACT

NET CONTENTS : **4 kg, 10 kg, 11.3 kg**

Syngenta Crop Protection Canada, Inc.
140 Research Lane, Research Park
Guelph, Ontario
N1G 4Z3

D98/A-1
EPA Est. No. 50534-TX-01

NOTICE TO USER

This control product is to be used only in accordance with the directions on this label. It is an offense under the Pest Control Products Act to use a control product under unsafe conditions.

NOTICE TO BUYER

Seller's guarantee shall be limited to the terms set out on the label and subject thereto, the buyer assumes the risk to persons or property arising from the use or handling of this product and accepts the product on that condition.

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.

IN CASE OF CONTACT WITH EYES, immediately flush eyes with plenty of water and continue for 15 minutes. Seek medical attention for eyes immediately. Persons having allergic reaction should contact a physician. Affected persons respond to treatment with antihistamines or steroid creams and/or systemic steroids.

TOXICOLOGICAL INFORMATION

Treat symptomatically.

PRECAUTIONS

DANGER: Causes Severe Eye Damage.

KEEP OUT OF REACH OF CHILDREN. DO NOT get in eyes.

Wear long pants, long-sleeved shirt, hat, goggles or face shield and chemical-resistant gloves during mixing/loading and application activities. DO NOT re-enter treated area within 48 hours. If required, individuals may re-enter treated areas within 48 hours for short-term tasks not involving hand labour only if at least 4 hours has passed since application, and long pants, long-sleeved shirt, hat and chemical-resistant gloves are worn. 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 neighbouring 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.

A buffer zone of 100 metres for aerial application (mechanical flaggers only) and 15 metres for ground applications to protect surface waterbodies including lakes, streams, ponds or sloughs from drift must be observed. Provincial buffer zones that are greater than the above buffer zones must be respected.

If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in U.S., contact 1-866-375-4648 or www.cropro.org.

DECONTAMINATION AND DISPOSAL

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 DISPOSAL OF PLASTIC JUGS:

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)***

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PRODUCT INFORMATION

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

DACONIL ULTREX 90 SDG 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.

Apply DACONIL ULTREX 90 SDG 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.

Add the required amount of DACONIL ULTREX 90 SDG fungicide to the spray tank while filling with

water. Keep agitator running when filling spray tank and during spray operations.

DO NOT combine DACONIL ULTREX 90 SDG 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.

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.

Do not enter or allow others to enter the treated area until sprays have dried.

Turf: DO NOT mow or water after treatment until spray deposit on turfgrass is thoroughly dry; DACONIL ULTREX 90 SDG fungicide should always be used in conjunction with good turf management practices.

Golf Course Fairways: Apply DACONIL ULTREX 90 SDG fungicide when conditions favour 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 Kilograms Per Hectare
Sclerotinia dollar spot	7-14 days	2.7 to 5.3
Helminthosporium leafspot	7-14 days	5.3 to 10.6
Rhizoctonia brown patch	7-14 days	5.3 to 10.6

Golf Course Tees and Greens and Ornamental Turfgrass: Apply DACONIL ULTREX 90 SDG fungicide in an adequate amount of water to provide complete coverage. This amount may vary from 8 to 40 litres per 100 sq. meters. 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: grams per 100 sq. Metres	
		Preventive*	Curative**
Dollar spot	7-14 days	53-106	106-194
Helminthosporium leafspot and melting out	7-10 days	53-106	106-194
Large brown patch	7-10 days	53-106	106-194
Anthrachnose	7-10 days	94-106	not recommended
Gray snow mold*** (Typhula spp.) and Pink snow mold Fusarium patch and Gerlachia		135-278	not recommended

* Recommended rates for preventing disease establishment; use lower rate 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 in late fall before snow cover. Repeat during mid-winter thaws or during early spring if conditions for snow mold continue to exist.

Ornamentals and Conifers: Apply DACONIL ULTREX 90 SDG fungicide at rate of 1.4 kilograms per 1,000 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 2,000 litres of water per hectare. Begin applications as directed for each species and disease condition cited and repeat on a 7 - 14 day schedule until conditions are no longer favourable for disease development. During periods when conditions favour severe disease incidence, generally cloudy or wet weather, use the higher rate specified and the shortest interval between applications.

DACONIL ULTREX 90 SDG 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 vapours and particulates. DO NOT use mistblowers or high pressure spray equipment when making applications of DACONIL ULTREX 90 SDG fungicide in greenhouses.

Use of DACONIL ULTREX 90 SDG fungicide is recommended for disease control on the ornamentals and conifers listed in the tables below. Use of DACONIL ULTREX 90 SDG fungicide is not recommended for species that are not listed below.

ORNAMENTALS:

Species	Diseases Controlled	Suggested First Application
BROADLEAF SHRUBS AND TREES:		
Ash (Fraxinus)	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-Grape (Mahonia)	Rust	Spring bud break
Photinia	Fabraea 9Entomosporium) leafspot	Spring bud break
Pieris (Andromeda)	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

BULBS AND FLOWERING PLANTS:		
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 mold)	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 mold	Pre-bloom
Petunia*	Phytophthora blight (foliar phase), Botrytis blight	Pre-bloom
Rose (Use 1.0 kg 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
FOLIAGE PLANTS		
Dracaena	Fusarium leafspot	Pre-transplant
Pachysandra (Use 2.8 kg per 1000 L)	Volutella leaf blight	Spring bud break
Leatherleaf fern	Ascochyta blight, Cercospora leafspot, Cylindrocladium leafspot, Rhizoctonia blight	Spring bud break
Parlor palm (Chamaedorea)	Bipolaris (Helminthosporium) leafspot	Cool, moist conditions
Prayer plant (Maranta)	Helminthosporium leafspot	Early propagation
Oyster plant (Rhoeo)	Tan leafspot	Early propagation
Syngonium	Cephalosporium leafspot	Warm, moist conditions
Philodendron	Phytophthora blight, Dactylaria leafspot	Moist conditions

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

CONIFERS

Diseases Controlled	DACONIL 2787 WDG FLOWABLE Rate/Hectare	Application Directions
Scleroderris Canker (pines), Swiss Needlecast and Rhabdocline Needlecast (Douglas fir)	1.3 to 2.7 kg	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 favour disease development. For use in nursery beds, apply the highest rate specified on a 3 week schedule.
Sirococcus Tip Blight	2.0 to 3.3 kg	
Rhizosphaera Needlecast (spruces), Scirrhia brown spot (pines)	5.2 kg	
Lophodermium Needlecast	1.3 to 2.7 kg	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 favour disease development. For use in nursery beds, apply 2.7 kg/ha on a 3 week schedule.
Botrytis seedling blight, Phoma twig blight	1.3 to 2.7 kg	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 favour disease development. Make additional applications at 7 to 14 day intervals as long as disease favourable conditions persist.

Generic Aerial Application Label Instructions - Directions for Use

Apply only by fixed-wing or rotary aircraft equipment which has been functionally and operationally calibrated for the atmospheric conditions of the area and the application rates and conditions of this label.

Label rates, conditions and precautions are product specific. Read and understand the entire label before opening this product. Apply only at the rate recommended for aerial application on this label.

Where no rate for aerial application appears for the specific use, this product cannot be applied by any type of aerial equipment.

Ensure uniform application. To avoid streaked, uneven or overlapped application, use appropriate marking devices.

Use Precautions

Apply only when meteorological conditions at the treatment site allow for complete and even crop coverage. Apply only under conditions of good practice specific to aerial application as outlined in the *Basic Knowledge Requirements for Pesticide Education in Canada: Applicator Core and Aerial Module*, developed by CAPCO.

Do not apply to any body of water. Avoid drifting of spray onto any body of water or other non-target areas. Specified buffer zones should be observed.

Coarse sprays are less likely to drift, therefore, avoid combinations of pressure and nozzle type that will result in fine particles (mist). Do not apply during periods of dead calm or when wind velocity and direction pose a risk of spray drift. Do not spray when the wind is blowing towards a nearby sensitive crop, garden, terrestrial habitat (such as shelter-belt) or aquatic habitat.

Operator Precautions

Do not allow the pilot to mix chemicals to be loaded onto the aircraft. Loading of premixed chemicals with a closed system is permitted.

It is desirable that the pilot have communication capabilities at each treatment site at the time of application.

The field crew and the mixer/loaders must wear chemical resistant gloves, coveralls and goggles or face shield during mixing/loading, cleanup and repair. Follow the more stringent label precautions in cases where the operator precautions exceed the generic label recommendations on the existing ground boom label.

All personnel on the job site must wash hands and face thoroughly before eating and drinking. Protective clothing, aircraft cockpit and vehicle cabs must be decontaminated regularly.

Product Specific Precautions

Read and understand the entire label before opening this product. If you have questions, call the manufacturer or obtain technical advice from the distributor or your provincial agricultural representative. Application of this specific product must meet and/or conform to the following:

Volume: Apply the recommended rate in a minimum spray volume of 30 litres per hectare.

Refer to ENVIRONMENTAL PRECAUTIONS for additional details.

Resistance Management Recommendations

For resistance management, DACONIL ULTREX 90SDG Fungicide contains a Group M fungicide. Any fungal population may contain individuals naturally resistant to DACONIL ULTREX 90SDG 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 ULTREX 90SDG 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 ULTREX 90SDG 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 1-800-459-2422 (in Eastern Canada) or 1-800-665-9250 (in Western Canada) or at www.syngenta.ca.

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