

Reg # 62719-126

PM-21

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Directions for Use

See literature attached to this container for Complete Directions for Use. Read all directions carefully before applying Rubigan 50W. It is a violation of Federal Law to use this product in a manner inconsistent with the label.

Precautionary Statements

**Hazards to Humans and Domestic Animals
CAUTION**

Harmful if swallowed, inhaled or absorbed through the skin. Avoid contact with skin, eyes or clothing. Avoid breathing dust or spray mist. Use eye protection and protective clothing such as coveralls, a long sleeved shirt and impermeable gloves (i.e. butyl rubber) when handling this product. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

Statements of Practical Treatment

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 on skin: Immediately wash with plenty of soap and water. Get medical attention if irritation develops.

If in eyes: Immediately flush eyes with plenty of water. Get medical attention if irritation develops.

If inhaled: If discomfort occurs, move individual to fresh air. Get medical attention if breathing difficulty occurs.

Environmental Hazards

This pesticide is toxic to fish. Do not apply directly to water or wetlands. Do not apply when weather conditions favor runoff or drift from the target area. Do not contaminate water by charging of equipment or disposal of waste.

STORAGE AND DISPOSAL

Storage: Store in original container only. In case of leak or spill, contain material and dispose as waste.

Pesticide Disposal: Do not contaminate water, food or feed by storage or disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

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.

ELANCO

ID 5958

Turf
Fungicide

Rubigan

50W

TM

Net Weight 1 Pound

Rubigan 50W is a locally systemic fungicide for the control of specified diseases on turfgrasses, and for the reduction of Poa annua populations in intensively maintained areas of perennial turfgrasses.

For use on: Golf Courses, Parks, Athletic Fields, Commercial and Residential Turf Areas.

Active Ingredient:

fenarimol* α-(2-chlorophenyl)-α-(4-chlorophenyl)-

5-pyrimidinomethanol 50%

Inert Ingredients 50%

Contains 1/2 pound active ingredient per pound

*Rubigan® (fenarimol, Elanco) (fenarimol, DowElanco)

Keep Out of Reach of Children.

CAUTION

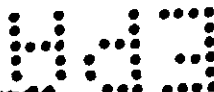
See side panel for additional precautionary statements

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Superscript used is first letter of lot number

EPA Reg. No. 1471-194

EPA Reg. No. 62719-126



LOT
IN 0742

Elanco Products Company - A Division of Eli Lilly and Company
Indianapolis, IN 46205, U.S.A.

DowElanco
4040 Vincennes Circle, Suite 601
Indianapolis, IN 46268

DATE NOV 2
LIFE: NOV 1988
PERF PER NOTICE

Directions for Use—Read All Directions Carefully Before Applying

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

Rubigan 50W is a locally systemic fungicide that provides both protective and curative (eradicator) action. Rubigan 50W is recommended for use as a foliar spray for the control of selected turf diseases.

For use on Golf Courses, Parks, Athletic Fields, Commercial and Residential Turf Areas

Reduction of *Poa annua* Populations: Applications of Rubigan to turfgrass areas containing *Poa annua* (annual bluegrass) have demonstrated a growth modifying effect on this species. Under certain environmental conditions and cultural practices, Rubigan applications may gradually reduce *Poa annua* populations in treated areas. Users that intend to reduce *Poa annua* populations must obtain either: (1.) Rubigan Product Information Bulletin—*Poa annua* Management Program for Overseeded Bermudagrass or, (2.) Rubigan Product Information Bulletin—*Poa annua* Management for Northern Cool Season Turf. Obtain Rubigan Product Information Bulletins from Elanco Products Company or their Rubigan distributors prior to use.

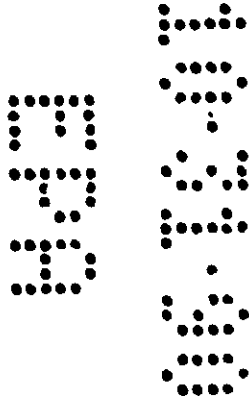
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Precautions: Applications of Rubigan to turfgrass areas containing *Poa annua* (annual bluegrass) may result in the gradual reduction of this species from the turfgrass area. Cumulative dosages of 5 pounds of Rubigan per acre or 2 ounces per 1000 sq ft are usually necessary for this response to occur. If such a reduction or loss of *Poa annua* is not acceptable to the user, Rubigan can be used at the minimum label rate (0.2 oz 50W per 1000 sq ft) in alternating application with contact type fungicides.

Application Directions

Rubigan should be added to the spray tank during the last half of the filling operation. Agitate thoroughly during the filling and spraying operation to insure a uniform spray mixture. Use only a properly calibrated fungicide sprayer with nozzle screens and inline strainers no finer than 50 mesh. Calibrate spray equipment to deliver sufficient water volume for uniform coverage.

Disease Organism	Recommended Rate (oz. Rubigan 50W per 1000 sq. ft.)	Spray Interval (Days)	Disease Pressure	Comments (See below)
Dorm Spot (Lentil spot and Moneroc spot spp.)	0.2	10 - 21	Low to Moderate	12
	0.4	14 - 28	Moderate to Heavy	13
Aschite and Spot (Leptosphaeria spp.)	0.3	30	All	9 - 11
Summer Patch (Phaeosporium spp.)	0.5	30	All	9 - 11
F. blight (F. blight spp.)	0.3	30	All	9 - 11



When treating golf greens always treat aprons and approaches

Rubigen 50W Rate Recommendations - Other Turf Areas				
Disease Organism	Recommended Rate (oz. Rubigen 50W per 1000 sq. ft.)	Spray Interval (Days)	Disease Pressure	Comments (See below)
Coner Spot (Lentz & sp. & d. Voss & sp. & sp.)	0.2 (2/10)	30	Low to Moderate	12
Anthracnose (Colletotrichum graminis)	0.5 - 1.0	30	?	1
Copper Spot (Geoplectonella sp.)	0.2 (2/10)	10 - 21	Low to Moderate	12
	0.4 (4/10)	14 - 28	Moderate to heavy	13
Rhizoctonia Blight/ Large Brown Patch (Rhizoctonia sp.)	0.4 (4/10)	7 - 14	Low to Moderate	12
	0.4 (4/10) (See comments for 1964 material)	7 - 14	Moderate to heavy	Use Turf Mixes as Discussed Below
Necrotic Ring Spot (Leptosphaeria ?)	1.0 - 2.0	1 or 2 Applications	All	5 - 9
Summer Patch (Phaeosporium sp.)	1.0 - 2.0	1 or 2 Applications	All	5 - 9
Fusarium Blight (Fusarium sp.)	1.0 - 2.0	1 or 2 Applications	All	5 - 9
Stripe Smut (Ustilago sp.)	4.0	Single Application	All	2 - 9 - 10
Fusarium Patch, Pink Snow Mold (Microdochium mores)	2.0	1 or 2 Applications	All	2 - 3 - 8
Typhula Blight/ Gray Snow Mold (Typhula sp.)	2.0	1 or 2 Applications	All	2 - 8
Corticium Red Thread (Corticium sp.)	2.0	30	All	2 - 7
Take All Patch (Gaeumannomyces graminis)	1.0 - 2.0	1 or 2 Applications	All	6 - 9
Spring Dead Spot (Leptosphaeria hormae)	1.0 - 1.5	Single Application	All	2 - 4 - 9
Powdery Mildew (Erysiphe graminis)	0.5 - 1.0	30	All	13

1 Applications for anthracnose should be applied prior to the anticipated appearance of disease symptoms and continued at 30-day intervals for as long as conditions for disease continue

2 Single high rate applications such as required to control these diseases may result in the rapid elimination of *Poa annua* when applied to cutting greens or other close cut turfgrass areas during periods of environmental stress. Subsequent reseeding with creeping bentgrass may be inhibited for up to 30 days following such applications.

3 This recommendation does not apply to the control of Fusarium patch (pink patch) as it occurs under conditions of cool, wet weather in the western United States, (CA, OR, and WA). Under these conditions, Rubigen should be applied at 0.5 (5/10) oz./1000 sq. ft. every 3 to 4 weeks during periods of favorable disease conditions

4 For Spring Dead Spot, make a single application of 1.0 oz./1000 sq. ft. in September, or 1.5 oz./1000 sq. ft. in October or November.

5 Rubigen may be applied preventively in a single 1.0 - 2.0 oz./1000 sq. ft. application in April or as a split application with 0.5 (5/10) - 1.0 oz./1000 sq. ft. applied in April and 0.5 (5/10) - 1.0 oz./1000 sq. ft. applied in May. Use the higher rate listed when area to be treated has a history of heavy disease infestation.

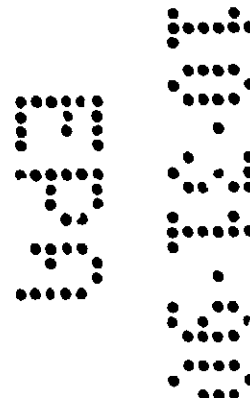
6 For take-all patch, Rubigen may be applied preventively in a single 1.0 - 2.0 oz./1000 sq. ft. application or as a split application with 0.5 (5/10) - 1.0 oz./1000 sq. ft. applied in two applications at 30-day intervals. Applications should be made prior to permanent snow cover or frozen soil. Use the higher rate listed when area to be treated has a history of heavy disease infestation.

7 Applications for Corticium red thread should be made 1 to 2 weeks prior to the anticipated appearance of disease symptoms. Applications should be made at 30-day intervals with a maximum of 2 applications during any 1 season.

8 The initial application for Fusarium patch and Typhula blight should be made as a standard foliar application prior to permanent snow cover or frozen soil. A second application may be necessary in late winter or early spring if conditions are favorable for renewed disease development.

9 Applications for necrotic ring spot, summer patch, Fusarium blight, stripe smut, take-all patch, and spring dead spot should be applied to the turfgrass and thoroughly irrigated with 1/2 to 1 inch of water.

2. Single high rate applications such as required to control these diseases may inhibit germination of creeping bentgrass for up to 30 days following application.



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- 10 Application for stripe smut can be made as a single application in October or in early spring prior to turfgrass greenup
- 11 For bentgrass putting greens Rubigan can be applied preventively at 0.5 (5/10) oz / 1000 sq ft application beginning in April with a second 0.5 (5/10) oz / 1000 sq ft in May if conditions are favorable in the fall for disease occurrence applications 14 days prior to the anticipated appearance of disease symptoms may be necessary
- 12 All applications for dollar spot copper spot and Rhizoctonia blight should be made as standard foliar applications Applications made prior to the appearance of visible disease symptoms (preventative applications) should be made at the lowest rate and longest interval listed above
- 13 Applications to areas with visible symptoms of dollar spot copper spot and powdery mildew should be made at the highest rate for that disease and continued at the shortest spray interval for that rate until the disease is brought under control At this time, the lower rate longer spray interval recommendations can begin

Tank Mixtures: When disease pressure from Rhizoctonia blight increases to moderate control will be enhanced by tank-mixing Rubigan with a contact fungicide such as Daconil® 2787 If a tank-mixture is used, apply the minimum label rate recommended for the control of Rhizoctonia blight Under conditions of heavy Rhizoctonia blight pressure, additional sequential applications of a contact fungicide may be necessary to keep the disease adequately controlled

Additional Disease Control: If turf is threatened by additional diseases Rubigan is compatible with most commonly used turf fungicides Leaf spotting organisms such as *Drechslera* and *Curvularia* will require the use of a fungicide such as Daconil® 2787 or Tersan® LSR for control If a tank mixture is used, follow label directions for the use of that product and apply at the minimum rate recommended for control of the target disease organism

Rate Conversion Chart Rubigan 50W for Turf	
Label Rates—Rubigan 50W per 1000 sq ft	Quantity of Rubigan 50W per Acre
0.2 oz (1/5)	0.5 lb or 8 oz
0.4 oz (1/2)	1.0 lb or 16 oz
1.0 oz	2.5 lb or 40 oz
2.0 oz	5.0 lb or 80 oz
4.0 oz	10.0 lb or 160 oz

Precautionary Statements

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CAUTION

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