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(Container Label)

(logo) Dow AgroSciences LLC

Rubigan* 50WSP

A locally systemic fungicide in water soluble packets for the control of specified diseases on turfgrasses and ornamentals.

Active Ingredient:

- fenarimol: α -(2-chlorophenyl)- α -(4-chlorophenyl)-5-pyrimidinemethanol..... 50%
- Inert Ingredients 50%
- Total 100%

Keep Out of Reach of Children

CAUTION PRECAUCION

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.)

Precautionary Statements

Hazards to Humans and Domestic Animals

Keep Out of Reach of Children

CAUTION

Harmful If Swallowed, Inhaled, Or Absorbed Through The Skin

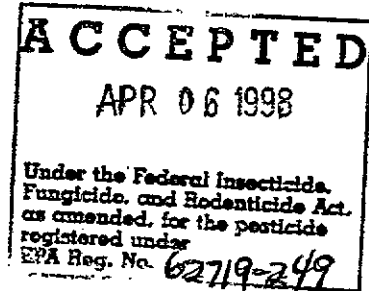
Avoid breathing spray mist and contact with skin, eyes, or clothing.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks
- Protective eyewear

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.



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.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

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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.

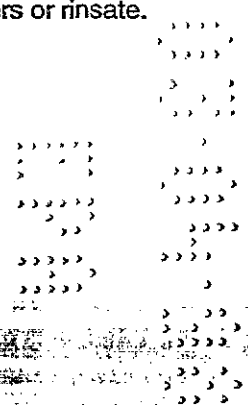
If on skin: Immediately wash with plenty of soap and water. Get medical attention if irritation develops.

If in eyes: Flush 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, to areas where surface water is present or to intertidal area below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not apply when weather conditions favor runoff or drift from the target area. Do not contaminate water when disposing of equipment washwaters or rinsate.



General Information

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

Chemigation: Do not apply Rubigan 50WSP through any type of irrigation system.

This package contains pre-measured 0.34-lb water soluble polyvinyl alcohol (PVA) packets of Rubigan 50WSP fungicide. These pre-measured packages are designed for use in power spray equipment. Do not allow the inner water soluble packets to become wet before adding to the spray tank. Do not handle the inner water soluble packets of Rubigan 50WSP fungicide with wet hands or gloves. Rough handling may cause breakage. Do not store at temperatures below 32°F. Allow packages to warm above 50°F before use. Cooler water temperatures increase the time needed for the water soluble packet to dissolve completely. Reseal outer package to protect remaining water soluble packets.

Mixing Instructions:

For paddle, sparger and bypass agitation systems:

Note: For paddle agitation systems, paddles should be covered with water.

1. Fill the spray tank 1/3 full of water.
2. Activate agitation system.
3. Add required number of water soluble packets to obtain desired dilution.
4. Complete tank filling while the water soluble packet dissolves and Rubigan 50WSP disperses.
5. Before beginning to spray, make sure Rubigan 50WSP has dispersed and water soluble packets have dissolved.

Approved Uses

TURF

For use on: golf courses, parks, athletic fields, commercial and residential areas.

Note: When used on sod farms or turf grown for seed, follow instructions in the "Agricultural Use Requirements" section of this label. For other approved uses follow instructions in the "Non-agricultural Use Requirements" section*.

Application Directions

Agitate thoroughly during the filling and spraying operation to ensure a uniform spray mixture. Apply using a properly calibrated fungicide sprayer with nozzle screens and in-line strainers no finer than 50 mesh. Calibrate spray equipment to deliver sufficient water volume for uniform coverage.

Tank Mixtures

When disease pressure from Rhizoctonia blight increases to moderate levels, control will be enhanced by tank mixing Rubigan 50WSP 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 treated for additional diseases, Rubigan 50WSP 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 1991 for control. If a tank mixture is used, follow label directions for the

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use of that product and apply at the minimum rate recommended for control of the target disease organism.

Rubigan 50WSP Fungicide Rate Recommendations - Greens And Tees

Disease Organism	Recommended Rates of Rubigan 50WSP (lb/acre)	Spray Interval (Days)	Disease Pressure	Comments (See Below)
Dollar Spot (<i>Sclerotinia homoeocarpa</i>) (<i>Moellerodiscus spp.</i>)	0.68 pounds (2 packets)	10-21	Low to Moderate	12
	1.36 pounds (4 packets)	14-28	Moderate to Heavy	13
Copper Spot (<i>Gloeocercospora sorghi</i>)	0.68 pounds (2 packets)	10-21	Low to Moderate	12
	1.36 pounds (4 packets)	14-28	Moderate to Heavy	13
Rhizoctonia Blight/ Large Brown Patch (<i>Rhizoctonia solani</i>)	0.68 pounds (2 packets)	7-14	Low to Moderate	12
	1.36 pounds (4 packets)	7-14	Moderate to Heavy	(Use tank mixes as discussed above)
Necrotic Ring Spot (<i>Leptosphaeria korrae</i>)	1.36 pounds (4 packets)	30	All	9, 11
Summer Patch (<i>Magnaporthe poae</i>)	1.36 pounds (4 packets)	30	All	9, 11
Fusarium Blight (<i>Fusarium culmorum</i>) (<i>Fusarium poae</i>)	1.36 pounds (4 packets)	30	All	9, 11
Take-All-Patch (<i>Gaeumannomyces graminis var. avenae</i>)	2.72 pounds (8 packets)	30	All	9, 14
Spring Dead Spot (<i>Leptosphaeria korrae</i>) (<i>Ophiosphaerella herpotricha</i>) (<i>Gaeumannomyce graminis var. graminis</i>)	2.72 - 4.08 pounds (8 - 12 packets)	single application	All	4, 9
Fusarium Patch/Pink Snow Mold (<i>Microdochium nivale</i>)	5.44 pounds (16 packets)	1 or 2 applications	All	2, 3, 8
Typhula Blight/Gray Snow Mold (<i>Typhula incarnata</i>) (<i>Typhula ishikariensis</i>)	5.44 pounds (16 packets)	1 or 2 applications	All	2, 8

Rubigan 50WSP Fungicide Rate Recommendations - Other Turf Areas

Disease Organism	Recommended Rates of Rubigan 50WSP (lb/acre)	Spray Interval (Days)	Disease Pressure	Comments (See Below)
Dollar Spot (<i>Sclerotinia homoeocarpa</i>) (<i>Moellerodiscus spp.</i>)	0.68 pounds (2 packets)	30	All	12

Anthracnose (<i>Colletotrichum graminicola</i>)	1.36 -2.72 pounds (4 - 8 packets)	30	All	1
Copper Spot (<i>Gloeocercospora sorghi</i>)	0.68 pounds (2 packets)	10-21	Low to Moderate	12
	1.36 pounds (4 packets)	14-28	Moderate to Heavy	13
Rhizoctonia Blight/ Large Brown Patch (<i>Rhizoctonia solani</i>)	1.36 pounds (4 packets)	7-14	Low to Moderate	12
	1.36 pounds (4 packets)	7-14	Moderate to Heavy	(Use tank mixes as discussed above)
Powdery Mildew (<i>Erysiphe graminis</i>)	1.36 - 2.72 pounds (4 - 8 packets)	single application	All	4, 9
Spring Dead Spot (<i>Leptosphaeria korrae</i>)	2.72 - 4.08 pounds (8 -12 packets)	single application	All	4, 9
Necrotic Ring Spot (<i>Leptosphaeria korrae</i>)	2.72 - 5.44 pounds (8 -16 packets)	1 or 2 applications	All	5, 9
Summer Patch (<i>Magnaporthe poae</i>)	2.72 - 5.44 pounds (8 -16 packets)	1 or 2 applications	All	5, 9
Fusarium Blight (<i>Fusarium culmorum</i>) (<i>Fusarium poae</i>)	2.72 - 5.44 pounds (8 - 16 packets)	1 or 2 applications	All	5, 9
Take-All-Patch (<i>Gaeumannomyces graminis var.</i> <i>avenae</i>)	2.72 - 5.44 pounds (8 -16 packets)	1 or 2 applications	All	6, 9
Fusarium Patch/Pink Snow Mold (<i>Microdochium nivale</i>)	5.44 pounds (16 packets)	1 or 2 applications	All	2, 3, 8
Typhula Blight/Gray Snow Mold (<i>Typhula incarnata</i>) (<i>Typhula ishikariensis</i>)	5.44 pounds (16 packets)	1 or 2 applications	All	2, 8
Cortisium Red Thread (<i>Laetisaria fuciformis</i>)	5.44 pounds (16 packets)	30	All	2,7
Stripe Smut (<i>Ustilago striiformis</i>)	10.2 pounds (30 packets)	single application	All	2, 9, 10

Comments - Turf

- 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.
- Single high rate applications required to control these diseases may inhibit germination of creeping bentgrass for up to 30 days following application.
- This recommendation does not apply to the control of Fusarium Patch (Pink Patch) as it occurs under the conditions of cool, wet weather in the western United States (CA, OR, and WA). Under these conditions, Rubigan 50WSP should be applied at 1.36 pounds (4 packets) per acre every 3 to 4 weeks during periods of favorable disease conditions.
- For Spring Dead Spot, make a single application of 2.72 pounds (8 packets) per acre in September, or 4.08 pounds (12 packets) per acre in October or November.
- Rubigan 50WSP should be applied preventively in a single 2.72 - 5.44 pounds (8 -16 packets) per acre application in April or as a split application with 1.36 - 2.72 pounds (4 -8 packets) per acre applied in April and 1.36 - 2.72 pounds (4 - 8 packets) per acre applied in May. Use the higher rate listed when area to be treated has a previous history of disease infestation.

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- 6. For Take-All-Patch, Rubigan 50WSP should be applied preventively in a single 5.44 pounds (16 packets) per acre application or as a split application each at 2.72 pounds (8 packets) per acre applied at 30-day intervals. Applications should be made prior to permanent snow cover or frozen soil.
- 7. Applications for Corticum Red Thread should begin 1 to 2 weeks prior to the anticipated appearance or disease symptoms. Applications should be made at 30-day intervals with a maximum of 2 applications during any one 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 0.5 to 1 inch of water.
- ~~10. Application for Stripe Smut should be made as a single application in October or in early spring prior to turfgrass greenup.~~
- ~~11~~10. For greens and tees, Rubigan 50WSP should be applied preventively at 1.36 pounds (4 packets) per acre beginning in April with a second application at 1.36 pounds (4 packets) 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~~11. 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~~12. Applications to areas with visible symptoms of Dollar Spot, Copper Spot and Powdery Mildew should be made at the highest rate listed for that disease and continued at the shortest spray interval for that rate until the disease is brought under control. At that time, the lower rate, longer spray interval recommendations can begin.
- ~~14~~13. For greens and tees, Rubigan 50WSP should be applied preventatively in two applications of 2.72 pounds (8 packets) per acre at 30-day intervals. Applications should be made prior to permanent snow cover or frozen soil. If conditions are favorable in the fall for disease occurrence, applications 14 days prior to the anticipated appearance of disease symptoms may be necessary.

ORNAMENTALS

For Control of Powdery Mildew of Field, Landscape or Container Grown Ornamentals

Note: When used on field or container grown plants on farms or in nurseries, follow instructions in the "Agricultural Use Requirements" section of this label. For other approved uses, follow instructions in the "Non-agricultural Use Requirements" section.

Rubigan 50WSP is a locally systemic fungicide for the prevention or therapeutic control of powdery mildew on field, landscape or container grown ornamentals. Once dried on the leaf surface, Rubigan 50WSP is absorbed into the plant foliage and is not easily washed off by rain or overhead irrigation. Used as directed Rubigan 50WSP will not harm foliage or floral tissues.

Note to User (Phytotoxicity): Environmental factors significantly affect phytotoxicity. While Rubigan 50WSP has been tested on numerous ornamental plants without causing serious phytotoxicity, because of the numerous varieties grown, it is recommended that a small group of plants be treated at the recommended rate under anticipated growing conditions and observed for phytotoxic symptoms. Application of Rubigan 50WSP at recommended rates may cause leaf puckering and other growth effects on the foliage of rose cultivars growing under cool, foggy or overcast conditions. Plants growing under such conditions develop more slowly and are more sensitive to these growth effects. The rose cultivars Royalty and Visa have exhibited growth effects under these conditions while the same cultivars growing under sunny conditions have exhibited no such effects.

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Application Directions

Rubigan 50WSP should be added to the spray tank during the last half of the filling operation. Continuous agitation during completion of filling and spraying will be necessary to ensure a uniform spray mixture. Apply Rubigan 50WSP with sufficient pressure and spray volume to ensure thorough wetting of all plant surfaces. Special care should be taken to thoroughly wet new terminal growth and plant areas already diseased. Applications of Rubigan 50WSP should begin at the earliest appearance of signs or symptoms of disease.

Rubigan 50WSP Fungicide Rate Recommendations - Field, Landscape And Container Grown Ornamentals

Species	Disease	Recommended Rates and Timing For Rubigan 50WSP†
Ajuga Begonia Calendula Chrysanthemum Dahlia Delphinium, Hydrangea Phlox Sweet Pea Verbena Zinnia	Powdery Mildew	0.68 lb. (2 packets) per 1000 gallons every 10 to 14 days
Crape Myrtle Euonymus Photinia Roses (field and landscape only)	Powdery Mildew	0.68 lb. (2 packets) per 500 gallons every 10 to 14 days
Crabapple Hawthorn	Scab Rust Powdery Mildew	0.68 lb (2 packets) per 350 to 500 gallons very 7 to 14 days beginning at green tip.

†Apply Rubigan 50WSP at the recommended low rate and maximum spray interval only when using as a preventative or when leaf infection is less than 10 percent. Use the higher concentrate dilution and shorter spray interval when greater than 10 percent leaf infection occurs and environmental conditions encourage disease spread.

Tank Mixtures

In areas where blackspot of roses occurs, Rubigan 50WSP should be tank mixed with an EPA registered, commercially available fungicide. Use the recommended label rate of the selected tank mix product for blackspot control and the appropriate rate of Rubigan 50WSP from the table above.

Warranty Disclaimer

Dow AgroSciences warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. Dow AgroSciences MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

Inherent Risks of Use

It is impossible to eliminate all risks associated with use of this product. Plant injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label, such as unfavorable temperatures, soil

Rubigan* 50WSP

EPA Reg. No. 62719-249

Registration Notes:

Current label text based on EPA-accepted text dated July 13, 1994.

Proposed Label Changes by Amendment:

(This action in response to pending tolerance petition for filberts.)

Directions for Use: (1) Removal of stripe smut (*Ustilago striiformis*) from diseases controlled; and (2) removal of 10.2 lb/acre (5.1 lb a.i./acre) rate.

Other

1. (Precautionary Statements): (1) Placement of KORAC Statement and Signal Word on base label changed in accordance with policy letter from EPA labeling unit dated March 26, 1997; (2) Added Spanish Statement to base label and label booklet.
2. Revised referral statement to more accurately reflect the location of additional precautionary information and Directions for Use.

[Editor' note: Added text shown by underline and deleted text denoted by strike-through.]

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