

Diseases

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Table 6.1 - Diseases and Treatments

Disease	Turfgrass	Chemical ¹	Rate/1000 sq ft ²	Season & Interval of Application
Anthracnose (<i>Colletotrichum cereale</i>)	Annual Bluegrass	Signature	4.0 oz	14 days
	Bentgrass	Daconil Ultrex	3.25 oz	14 days
		Medallion	0.25-0.5 oz	14 days
		Endurance	4.0 oz	14 days
		Heritage	0.2-0.4 oz	14 days
		Disarm	0.18-0.36 oz	14-28 days
		Disarm C	3.0-5.9 oz	14-28 days
		Insignia	0.5-0.9 oz	14-28 days
Copper Spot (<i>Gloeocercospora sorghi</i>)	Bentgrasses	Bayleton 50 WSP	0.5-1.0 oz	15-30 days
		Cleary 3336+	2.0-4.0 oz	14-28 days
		Daconil Weather Stik	4.0-5.5 oz	14 days
		Daconil Ultrex	3.7-5.0 oz	14 days
		Eagle 20 EW	1.2 oz	14 days
		Rubigan AS	0.75-4.0 oz	7-10 days
Fairy Rings				
	All turfgrasses	Prolonged water soaking of soil		
	All turfgrasses	Prostar 70 WP	2.2-4.5 oz	21-28 days
Fusarium Blight (<i>Fusarium culmorum</i> and <i>Fusarium poae</i>)				See Summer Patch and Necrotic Ring Spot recommendations.
Gray Leaf Spot (<i>Pyricularia grisea</i>)	St. Augustinegrass Tall Fescue	Compass	0.15-0.25 oz	14-21 days
		Cleary 3336+	4.0-8.0 oz	14 - 28 days
		Heritage 50 WG	0.2-0.4 oz	14-21 days
	Ryegrasses	Daconil Weather Stik	2.0-5.5 oz	7-14 days
		Daconil Ultrex	1.8-3.25 oz	7-10 days
Leaf Spot Diseases				
(a) Melting-out (<i>Drechslera poae</i>)	Kentucky Bluegrass Ryegrasses Tall Fescue			April-June

¹Denotes either chemical, coined name of the material, or representative trade name.

²Except where indicated, all materials should be applied in 1.0-2.0 gal water/1000 sq ft. Lower dosage rates are to be used in preventive programs; higher dosage rates are to be used in corrective programs.

³ Red Thread and pink patch are often observed together as a disease complex

6-2 Turf: Diseases

Table 6.1 - Diseases and Treatments (cont.)

Disease	Turfgrass	Chemical ¹	Rate/1000 sq ft ²	Season & Interval of Application
Leaf Spot Diseases (cont.)				
(b) Zonate Eyespot (<i>Drechslera gigantea</i>)	Bentgrasses Bluegrasses Bermudagrass Fescues Ryegrasses		(See Below)	July-August
(c) Bipolaris Leaf Spot (<i>Bipolaris sorokiniana</i>)	Bentgrasses Bluegrasses Fescues, Ryegrass (See Below)		(See Below)	July-August
(d) Red Leaf Spot (<i>Drechslera erythrospila</i>)	Bentgrasses			April-August
(e) Helminthosporium Blight (<i>Drechslera dictyoides</i>)	Fescues, Ryegrasses		(See Below)	April-June
(The following list of fungicides is cleared for the control of one or more Helminthosporium diseases. Select for the control of Helminthosporium incited leafspot diseases one of the products from the following list that is labeled for your particular problem.)				
		26 GT	3.0-4.0 oz	14-21 days
		Compass	0.15-0.25 oz	21-28 days
		Curalan EG	1.0 oz	14-28 days
		Daconil Weather Stik	2.0-5.5 oz	7-14 days
		Daconil Ultrex	1.8-3.25 oz	7-21 days
		Heritage 50 WG	0.2-0.4 oz	14-21 days
Powdery Mildew (<i>Erysiphe graminis</i>)	Bermudagrass Bluegrass	Bayleton 50 WP	0.5-1.0 oz	June-September (<i>Erysiphe graminis</i>) 15-30 days
	Fescues	Banner Maxx	1.0-2.0 oz	14-28 days
		Eagle 40 WP	0.6 oz	14 days
Pythium Blight (<i>P. aphanidermatum</i> and <i>P. ultimum</i>)	Bentgrasses	Chipco Signature	4.0 oz	14 days
	Bluegrass	Alude	5.5 oz	14 days
	Bermudagrass	Banol 6F	1.33-4.0 oz	7-21 days
		Stellar	1.2 oz	14 days
	Fescues	Heritage 50 WG	0.4 oz	10-14 days
	Zoysia	Insignia 20 WG	0.5-0.9 oz	14 days
		Subdue Maxx	0.5-1.0 oz	10-21 days
		Segway	0.45 - 0.9 oz	14 days
Rhizoctonia Blight (<i>Rhizoctonia solani</i>) ("Brown patch")	Bentgrasses, Bluegrasses, Fescues, Ryegrasses	26 GT	3.0-4.0 oz	July-August 14-21 days

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Table 6.1 - Diseases and Treatments (cont.)

Disease	Turfgrass	Chemical ¹	Rate/1000 sq ft ²	Season & Interval of Application
Rhizoctonia Blight (cont.) ("Large patch")	Bermudagrass St. Augustinegrasses Zoysiagrasses	Bayleton 50WSP	1.0 - 2.0 oz	Early fall and early spring
		Compass	0.1-0.2 oz	14-21 days
		Curalan EG	1.0 oz	14-28 days
		Daconil Weather Stik	2.0-5.5 oz	7-14 days
		Daconil Ultrex	1.8-3.25 oz	7-14 days
		Disarm	0.09-0.36 oz	14-28 days
		Disarm C	1.5-5.9 oz	14-28 days
		Eagle 40 WP	0.6 oz	14 days
		Heritage 50 WG	0.2-0.4 oz	14-28 days
		Insignia 20 WG	0.5-0.9 oz	14-28 days
		Prostar 70 WP	1.5-3.0 oz	14-21 days
		Spectro 90 WDG	3.0-5.76 oz	14-21 days
		Tartan	1.0-2.0 oz	14-28 days
		Trinity	0.75-2.0 oz	14-28 days
		Triton	0.15-0.3 oz	14-28 days
Tourney	0.28-0.37 oz	14-21 days		
Rusts Leaf Rust (<i>Puccinia graminis</i>)	Bluegrasses esp. Merion Kentucky	Banner Maxx	1.0-2.0 oz	14-28 days
Adequate fertility levels will help reduce disease severity.				
Crown Rust (<i>Puccinia coronata</i>) (<i>Puccinia zoysae</i>)	Ryegrasses esp.	Bayleton 50 WP	0.5-1.0 oz	15-30 days
	Manhattan and	Compass	0.15-0.25 oz	14-21 days
	Pennfine	Eagle 40 WP	0.6 oz	14 days
Red Thread³ (<i>Laetisaria fuciformis</i>)	Bentgrasses Bluegrasses	Bayleton 50 WSP	0.5-1.0 oz	May-June and August-September 15-30 days
Pink Patch³ (<i>Limonomyces roseipellis</i>)	Fescues Ryegrasses	Banner Maxx	2.0 oz	
		26 GT	4.0 oz	7-21 days
		Cleary 3336+	2.0-4.0 oz	14-28 days
		Compass	0.15-0.25 oz	14-21 days
		Curalan EG	1.0 oz	14-28 days
		Daconil Weather Stik	2.0-5.5 oz	7-14 days
		Daconil Ultrex	1.8-5.0 oz	7-14 days
		Eagle 20 EW	0.6 oz	14 days
		Heritage 50 WG	0.2-0.4 oz	14-28 days
		Prostar 70 WP	1.5 oz	21-28 days

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6-4 Turf: Diseases

Table 6.1 - Diseases and Treatments (cont.)

Disease	Turfgrass	Chemical ¹	Rate/1000 sq ft ²	Season & Interval of Application
Stripe Smut (<i>Ustilago striiformis</i>)	Bentgrasses Bluegrasses esp. Merion Kentucky	Banner Maxx	1.0-2.0 oz	One application in October or early Spring before grass growth begins
	Tall Fescue	Bayleton 50 WSP	1.0 oz	1 application spring 2nd application in early summer 3rd application late summer/early fall
		Cleary 3336+	4.0-8.0 oz	14-28 days
Dollar Spot (<i>Sclerotinia homoeocarpa</i>)	Bentgrasses Bluegrasses	Banner Maxx	1.0-2.0 oz	14-28 days
	Bermudagrass	Bayleton 50 WSP	0.5-1.0 oz	30 days
	Ryegrasses	26 GT	3.0-4.0 oz	14-21 days
	Fescues	Curalan EG	1.0 oz	21-28 days
		Daconil Weather Stik	1.0-5.5 oz	7-14 days
		Daconil Ultrex	1.0-3.25 oz	7-21 days
		Eagle 20 EW	1.0-2.4 oz	14-28 days
		Emerald	0.13-0.18 oz	21-28 days
		Tartan	1.0-2.0 oz	14-28 days
		Triton	0.15-0.3 oz	14-28 days
		Trinity	1.0-2.0 oz	14-28 days
	Tourney	0.18-0.37 oz	14-21 days	
Patch Diseases Summer Patch (<i>Magnaporthe poae</i>) and Necrotic Ring Spot (<i>Ophiosphaerella korrae</i>)	Annual Bluegrass	Banner Maxx	4.0 oz	Note: the fungicide recommendations for both Summer Patch and Necrotic Ring Spot are the same. Light, frequent irrigation and slow release N sources can also reduce disease severity. Application when soil temperatures at 2 inches are 65°F; followed with repeat application 30 days later.
	Kentucky Bluegrass	Bayleton 50 WSP	1.0-2.0 oz	
	Red Fescue	Eagle 20 EW	1.2-2.4 oz	
		Heritage 50 WG	0.2-0.4 oz	
		Tartan	2.0 oz	
		Triton	0.3-0.6 oz	
	Trinity	1.0-2.0 oz		

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Table 6.1 - Diseases and Treatments (cont.)

Disease	Turfgrass	Chemical ¹	Rate/1000 sq ft ²	Season & Interval of Application
Patch Diseases (cont.) "Take-All Patch"	Bentgrasses	Bayleton 50 WSP	1.0-2.0 oz	Make 1-2 fall applications (30 day intervals) when nighttime temperatures fall into the 50s, followed by 1-2 spring applications (30 day intervals) when regular mowing occurs (generally April/May). Light, frequent irrigation and slow release N sources can also help reduce disease severity.
		Banner Maxx	4.0 oz	
		Rubigan AS	4.0 oz	
		Heritage 50WG	0.4 oz	
		Insignia	0.9 oz	
		Triton	0.15-0.3 oz	
		Trinity	1.0-2.0 oz	
Snow Molds Pink Snow Molds (a) <i>Microdochium</i> Patch (<i>Microdochium nivalis</i>)	Bentgrasses, Bluegrasses	Bayleton 50 WSP	1.0-2.0 oz	Fall to spring
		Bermudagrass	Banner Maxx	2.0-4.0 oz
	Ryegrasses, Fescues	26 GT	4.0-8.0 oz	
	Zoysiagrasses	Curalan EG	1.0 oz	10-21 days
		Heritage WG 50%	0.4-0.7 oz	14-28 days
Gray Snow Molds (b) Typhula Blight (<i>T. incarnata</i> and <i>T. ishikariensis</i>)	Bentgrasses Bluegrasses	Bayleton 50 WSP	2.0 oz	Fall to spring 14-28 days
		Ryegrasses	Banner Maxx	2.0-4.0 oz
	Fescues	26 GT	4.0-8.0 oz	
		Heritage 50 WG	0.4 oz	
		Prostar 70 WP	3.0-4.5 oz	Prior to permanent snow cover
Nematodes				
Apply Nematicur (2 1/3-4 2/3 lbs of 10% granule) uniformly on established turfgrass—immediately apply 1/2 inch water to the turf. Do not use in newly seeded areas. For use only by professional turf managers—do not apply on home lawns. Do not apply more than twice per year. Birds and other wildlife may be killed in treated areas. Nematicur-approved for use on Bermuda, Centipede, bluegrass, and bentgrass. Carefully follow manufacturer's instructions.				
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