

Diseases

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Table 5.1 - Disease Control Use

Disease	Turfgrass	Chemical ¹	Rate/1000 sq ft ²	Season & Interval of Application
Fairy Rings	All turfgrasses	Prolonged water soaking of soil		
Fusarium Blight (<i>Fusarium culmorum</i> and <i>Fusarium poae</i>)	See summer patch and necrotic ring spot recommendations.			
Grey Leaf Spot (<i>Pyricularia grisea</i>)	Tall Fescue	Heritage 50 WG	0.2-0.4 oz	14-21 days
	Ryegrass St. Augustinegrass	Cleary 3336+	4.0-8.0 oz	14-21 days
Leaf Spot Diseases	Kentucky Bluegrass Ryegrasses Tall Fescue			April-June
(a) Melting-out (<i>Drechslera poae</i>)				
(b) Zonate Eyespot (<i>Drechslera gigantea</i>)	Bentgrasses Bluegrasses Bermudagrass Fescues Ryegrasses		(See below)	April-June
(c) Bipolaris Leaf Spot (<i>Bipolaris sorokiniana</i>)	Bentgrasses Bluegrasses Fescues Ryegrasses			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 fungicides are cleared for use on lawns for the control of Helminthosporium diseases.)				
		Banner Maxx	1.0- 2.0 oz	14-28 days
		Heritage 50 WG	0.2-0.4 oz	14-21 days
Powdery Mildew (<i>Erysiphe graminis</i>)	Fescues	Reduce stress. Do not over fertilize.		

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 per 1000 sq ft. Lower rates are to be used in preventive programs; higher rates are to be used in corrective programs.

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Table 5.1 - Disease Control Use (cont.)

Disease	Turfgrass	Chemical ¹	Rate/1000 sq ft ²	Season & Interval of Application
Pythium Blight (<i>P. aphanidermatum</i> and <i>P. ultimum</i>)	(The following fungicides are cleared for use on lawns for the control of Pythium diseases.)			
	Bentgrasses Bluegrass	Banol	1.33-4.0 oz	7-21 days
	Ryegrasses Bermudagrass Fescues Zoysia	Heritage 50 WG	0.4 oz	10-14 days (Under heavy disease pressure, may not provide complete control)
		Insignia 20 WG	0.5-0.9 oz	14 days (Under heavy disease pressure, may not provide complete control)
		Segway	0.45-0.9 oz	14-21 days
		Subdue Maxx	0.5-2.0 oz	10-21 days
Rhizoctonia Blight (<i>Rhizoctonia solani</i>) ("Brown patch")	(Under heavy disease pressure, fungicides may not provide complete control)			
	Bentgrasses Bluegrasses Ryegrasses Fescues	Armada 50 WP	0.6- 1.2 oz.	14-28 days
		Heritage 50 WG	0.2- 0.4 oz.	14-28 days
		Disarm	0.09-0.36 oz	14-28 days
("Large patch")	Bermudagrass St. Augustinegrass Zoysia	Heritage 50 WG	0.4 oz	21-28 days approximately 30 days prior to dormancy
		Insignia 20 WG	0.5-0.9 oz	21-28 days
		Prostar 70 WP	1.5-3.0 oz	14-21 days approximately 30 days prior to dormancy
Rust	Adequate fertility to promote growth can help reduce severity.			
Leaf rust (<i>Puccinia graminis</i> f. <i>sp.agrostis</i>)	Bluegrasses esp. Merion Kentucky	Banner Maxx Bayleton 50 WSP	1.0-2.0 oz 0.5-1.0 oz	14-21 days 15-30 days
Crown rust (<i>Puccinia coronata</i>)	Ryegrasses esp. Manhattan and Pennfine	Eagle 20 EW	1.2 oz	14-28 days
(<i>Puccinia zoysae</i>)	Zoysia			
Red Thread (<i>Laetisaria fuciformis</i>) and Pink Patch (<i>Limonomyces roseipellis</i>)	Bentgrasses Bluegrasses Fescues Ryegrasses	Bayleton 50 WSP Banner Maxx Cleary 3336 WP Heritage 50 WG Prostar 70 WP	0.5-1.0 oz 2.0 oz 2.0 oz 0.2-0.4 oz 1.5 oz	15-30 days 28 days 14 days 21-28 days 21-28 days
	Fungicides rarely required. Fertilize to promote adequate growth.			
Stripe Smut (<i>Ustilago striformis</i>)	Bentgrasses Bluegrasses esp. Merion Kentucky Meadow Fescue Red Top Ryegrass	Banner Maxx Bayleton 50 WSP Cleary 3336 WP	1.0-2.0 oz 0.5-1.0 oz 4.0-8.0 oz	1 application in October or early spring before grass growth begins Plant stripe smut resistant varieties

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Table 5.1 - Disease Control Use (cont.)

Disease	Turfgrass	Chemical ¹	Rate/1000 sq ft ²	Season & Interval of Application
Dollar Spot (<i>Sclerotinia homoeocarpa</i>)	Bentgrasses	Banner Maxx	0.5-2.0 oz	May-October
	Bluegrasses			14-21 days
	Bermudagrass	Bayleton 50 WSP	0.5-1.0 oz	21-28 days
Fungicides rarely required. Fertilize to promote adequate growth.				
	Ryegrasses	Eagle 20 EW	1.2 oz	14-28 days
	Fescues, Zoysia	Rubigan AS	0.75 oz	30 days
Fall and Winter Patch Diseases Fusarium patch (<i>Microdochium nivalis</i>)	Bentgrasses	Bayleton 50 WSP	1.0-2.0 oz	Fall to Spring
	Bluegrasses	Heritage 50 WG	0.4-0.7 oz	Fall to Spring
	Bermudagrasses Ryegrass Zoysia	Rubigan AS	8.0 oz	Fall to Spring
Summer Patch (<i>Magnaporthe poae</i>) Necrotic Ring Spot (<i>Ophiospharrella Korrae</i>)	Bluegrass	Banner Maxx	4.0 oz	First application when soil temperatures are 65°-75° F at 2-inch depth. Repeat 2-3 applications on a 30-day interval. Light, frequent irrigation and slow release N sources can also reduce disease severity.
		Bayleton 50 WSP	1.0-2.0 oz	

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