

Preventative Dollar Spot Control on a Creeping Bentgrass and Annual Bluegrass Fairway

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This trial is being conducted to evaluate SDHI fungicide application rates and intervals along with industry standard fungicides for control of dollar spot under natural disease conditions. The plot consists of creeping bentgrass ('Penncross') and annual bluegrass maintained on a native soil (Hadley silt loam) established in 1996. Mowing is performed 3 times per week (0.5-in. cutting height) with clippings removed. 17-0-17 fertilizer was applied at a rate of 1.0 lb nitrogen (N)/1,000 ft² on 1 June. The fairway is irrigated as needed to prevent drought stress. Individual plots are 3 ft × 6 ft and are arranged in a randomized complete block design with four replications. All treatments were applied preventatively. All individual treatments were applied at a nozzle pressure of 40 psi using a CO₂-pressurized boom sprayer equipped with two XR TeeJet 8004VS nozzles in the equivalent of 2 gallons of water per 1,000 ft². We expect that treatment differences will be visible at field day.

Rep 4	6	15	20	12	13	17	19	5	1	10
	11	4	8	3	18	16	14	9	7	2
Rep 3	7	18	13	3	9	4	16	20	11	17
	5	1	12	15	2	8	14	10	19	6
Rep 2	7	8	1	6	4	16	18	20	3	5
	10	11	13	9	19	15	2	14	12	17
Rep 1	11	12	13	14	15	16	17	18	19	20
	1	2	3	4	5	6	7	8	9	10

Trt #	Fungicide	Rate per 1,000 ft ²	Application Interval
1	Untreated	---	
2	Encartis	3.0 oz	28-day
3	Encartis	4.0 oz	28-day
4	Banner MAXX II	1.0 oz	28-day
5	QP Ipro 2SE	4.0 oz	28-day
6	Emerald	0.13 oz	21-day
7	Emerald	0.18 oz	21-day
8	Emerald	0.18 oz	28-day
9	Xzemplar	0.21 oz	21-day
10	Xzemplar	0.26 oz	21-day
11	Xzemplar	0.26 oz	28-day
12	Secure	0.50 oz	21-day
13	Banner MAXX II	1.0 oz	21-day
14	Banner MAXX II	2.0 oz	21-day
15	Curalan	1.0 oz	21-day
16	Chipco 26GT	2.0 oz	21-day
17	Chipco 26GT	4.0 oz	21-day
18	Rotation low rate	--- ^z	21-day
19	Rotation high rate	--- ^y	21-day
20	3336	4.0 oz	21-day

^z 1) Emerald (0.13 oz), 2) Bayleton (0.5 oz), 3) Velistar (0.5 oz) + Secure (0.5 oz), 4) Xzemplar (0.21 oz), 5) Ipro 2SE (2.0 oz).

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