

Preventative Control of Brown Patch with SDHI fungicides on a Colonial Bentgrass Fairway

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This trial is being conducted to evaluate fungicide treatments for control of brown patch under natural disease conditions. The trial is being conducted on colonial bentgrass mowed three times per week at fairway height (0.5 inches). Irrigation is provided as needed. The site is being provided with 3.5 lbs N/1,000 ft² to encourage favorable brown patch conditions. Individual plots are 3 x 6 ft and are arranged in a randomized complete block design with four replications. Treatments are applied based on label or suggested rates and applied at the intervals listed below. All individual treatments are 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.

Route 116

Preventative Brown Patch Plot Map														
Rep 4	3	8	12	14	13	5	4	9	11	1	6	10	7	2
Rep 3	5	4	14	10	2	1	6	7	9	12	8	3	11	13
Rep 2	4	9	10	5	7	6	8	3	13	2	11	14	1	12
Rep 1	1	2	3	4	5	6	7	8	9	10	11	12	13	14

Maintenance Shop

Trt #	Fungicide	Rate per 1,000 ft ²	Application Interval
1	Untreated	---	---
2	Emerald	0.13 oz	21-day
3	Emerald	0.18 oz	21-day
4	Emerald	0.18 oz	28-day
5	Xzemplar	0.21 oz	21-day
6	Xzemplar	0.26 oz	21-day
7	Xzemplar	0.26 oz	28-day
8	Velista	0.3 oz	21-day
9	Velista	0.5 oz	21-day
10	Velista	0.5 oz	28-day
11	Secure	0.5 oz	21-day
12	Heritage	0.4 oz	21-day
13	Insignia	0.7 oz	21-day
14	Chipco 26GT	4.0 oz	21-day