

Summer Patch (*Magnaporthe poae*)

This study was established on an irrigated annual bluegrass fairway at the Dearborn Country Club in Dearborn, MI. The study consisted of 4 replicate 6' x 9' plots in a random block design. Treatments were applied preventively with a CO₂ Backpack sprayer at 34 PSI and 48 GPA. Treatments were initiated on 6/6/00 when we reached 75°F at a 2" soil depth. The exception was the TSC treatment which was initiated on 5/17/00, along with the Nature Safe treatment. The 14-day treatments were re-applied on 6/19, 7/5, 7/17, 8/3 and 8/14. The 21-day treatments were re-applied on 6/26, 7/17, and 8/10. The 28-day treatments were re-applied on 7/5 and 8/3. The 30-day treatment was re-applied on 6/13, 7/13, and 8/10. Fertility was maintained at ¼#N/1000 ft²/month (except treatments #7 and #19 which were not fertilized.) Data represent percent plot area diseased on Sept 5, 2000, when disease development peaked.

As the data in Table 8 indicate, summer patch disease pressure was light this year due to the cool, wet summer we experienced. Daytime temperatures never exceeded 90°F, and nighttime temperatures generally cooled to 65°F or lower. Under these conditions, diseases like anthracnose and summer patch, which require prolonged heat/drought stress, generally are not severe. Statistical analysis of the data, however, indicates that Compass, Heritage and Banner Maxx gave significant control of this low-level disease pressure compared to the untreated control. Treatment separation outside of the control was not well-defined because disease pressure was low.

Table 8. Summer Patch Data, Dearborn CC, Dearborn, MI
Rating Date: 9/5/00

Treatment Rate/1000 sq ft	Interval (Days)	R1	R2	R3	R4	AVG	LSD
Heritage 0.4 oz	28 (2 apps)	2	0	0	1	0.8	D
Nature Safe 1/2#	30 (2 apps Apr)	2	2	2	0	1.5	CD
Macro Sorb 2 oz	14	1	2	2	2	1.8	BCD
Heritage 0.1 oz	14	0	0	0	1	0.3	D
Macro Sorb 2 oz + Heritage 0.1 oz	14	0	0	0	0	0.0	D
Compass 0.2 oz	21 (4 apps)	0	1	0	0	0.3	D
Compass 0.25 oz	28 (3 apps)	1	0	1	1	0.8	D
Compass 0.2 oz + Banner Maxx 2 fl oz	21 (4 apps)	0	5	1	0	1.5	CD
Banner Maxx 1 fl oz alternated with Compass 0.25 oz	14 (2 apps) 28 (3 apps)	3	0	1	2	1.5	CD
Banner Maxx 4 fl oz alternated with Compass 0.25 oz	28 (1 app) 21 (3 apps)	5	0	2	0	1.8	BCD
Banner Maxx 4 fl oz	75 + 28(2 apps)	1	2	1	5	2.3	BCD
Control	--	5	5	10	3	5.8	AB
TSC (15-3-15) 7.6 fl oz	14	3	25	1	7	9.0	A

^a Means followed by the same letter are not significantly different (LSD, p=0.05).