

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 36 PSI and 100 GPA, unless indicated in Table 12. Most treatments were initiated when we reached 75°F at a 2" soil depth (June 11). All treatments were applied on the dates indicated in Table 13. Fertility was maintained at 1/2#N/1000 ft²/month. The study was background sprayed with 2 fl oz Chipco 26GT and 1 fl oz Subdue Maxx on 6/30 and 7/22, 1 fl oz Subdue Maxx on 8/11, and 1.3 fl oz Echo (chlorothalonil) on 9/8 to prevent development of brown patch or Pythium blight. Data represent percent plot area diseased on 9/8 (Table 12) and turf quality (Table 13).

As the data in Table 12 indicate, summer patch disease pressure was very light due to the unusually mild temperatures we experienced this summer. Our control had an average of only 6% of the plot area diseased. As a result, very few treatment means were significantly different from each other and most had significantly less disease than the control. Topsin-M, Cleary 3336 + Alude, Endorse, several Syngenta experimentals, and Heritage + Banner Maxx were among the treatments that provided good summer patch control. No phytotoxicity was observed in this study.

Table 12. Summer Patch

Location: Dearborn Country Club, Dearborn, MI

Rating Date: September 8, 2003

Rating Scale: Percent area infected with summer patch.

Treatment and Rate/1000 sq ft	Interval (Days)	I	II	III	IV	Mean	LSD ^a
Topsin-M 70WP 4.3 oz ^b	14	0	0	0	0	0.00	d
CI 3336 6 oz + Alude 5.5 fl oz ^b	14	0	0	0	0	0.00	d
Endorse 4 oz ^b	7	0	0	0	0	0.00	d
A14035A 9.33 fl oz	75° + 28	0	0	0	0	0.00	d
A14036A 9.33 fl oz	75° + 28	0	0	0	0	0.00	d
A14167A 1.33 fl oz	75° + 28	0	0	0	0	0.00	d
Heritage 0.2 oz + Banner Maxx 2 fl oz	75° + 28	0	0	0	0	0.00	d
A13705H 1.3 fl oz	14	0	0	0	0	0.00	d
A13817A 4.2 fl oz	14	0	0	0	0	0.00	d
Cleary 3336F 6 fl oz ^b	14	0	1	0	0	0.25	cd
Banner Maxx 2 fl oz +	11-Jun	1	0	0	0	0.25	cd
Banner Maxx 2 fl oz +	23-Jun						
Heritage 0.4 oz +	7-Jul						
Heritage 0.4 oz	4-Aug						
Topsin-M 4.5F 5.3 fl oz ^b	14	0	0	0	2	0.50	cd
Rubigan AS 2 fl oz ^b	28	0	0	0	2	0.50	cd
Lesco T-Storm 6 fl oz	14	0	0	2	0	0.50	cd

A13705H 1.33 fl oz	75° + 28	1	1	0	0	0.50	cd
Heritage 0.2 oz	75° + 28	0	0	1	1	0.50	cd
CI 0214 3 fl oz	21	0	0	3	1	1.00	b-d
Banner Maxx 4 fl oz	75° + 28	0	3	1	0	1.00	b-d
A13817A 4.2 fl oz	75° + 28	0	3	2	0	1.25	b-d
Endorse 4 oz + Alude 5.5 fl oz	7	3	0	2	1	1.50	b-d
Heritage 0.4 oz	75° + 28	0	10	0	5	3.75	a-c
A13666B 1.66 fl oz	75° + 28	0	5	2	10	4.25	ab
Control	---	20	0	2	2	6.00	a

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

^b Treatments drenched in after application.

Table13. Summer Patch

Location: Dearborn Country Club, Dearborn, MI

Rating Date: September 8, 2003

Rating Scale: Quality was rated on a 1-10 scale, where 7=acceptable quality.

Treatment and Rate/1000 sq ft	Interval (Days)	I	II	III	IV	Mean
Topsin-M 70WP 4.3 oz ^a	14	7	7	7	7	7.0
Topsin-M 4.5F 5.3 fl oz ^a	14	8	7	7	7	7.3
Cleary 3336F 6 fl oz ^a	14	7	7	7	7	7.0
CI 0214 3 fl oz ^a	21	7	7	7	7	7.0
CI 3336 6 oz + Alude 5.5 fl oz ^a	14	7	7	8	7	7.3
Endorse 4 oz ^a	7	7	7	7	8	7.3
Endorse 4 oz + Alude 5.5 fl oz ^a	7	6	7	7	7	6.8
Rubigan AS 2 fl oz ^a	28	7	7	7	7	7.0
Lesco T-Storm 6 fl oz	14	7	7	7	8	7.3
A13705H 1.33 fl oz	75° + 28	7	7	7	7	7.0
A14035A 9.33 fl oz	75° + 28	7	7	6	7	6.8
A14036A 9.33 fl oz	75° + 28	8	7	7	7	7.3
A13817A 4.2 fl oz	75° + 28	7	7	7	8	7.3
A14167A 1.33 fl oz	75° + 28	7	7	7	7	7.0
A13666B 1.66 fl oz	75° + 28	7	7	7	7	7.0
Heritage 0.2 oz	75° + 28	7	7	7	7	7.0
Heritage 0.4 oz	75° + 28	8	7	7	7	7.3
Banner Maxx 4 fl oz	75° + 28	7	7	7	7	7.0
Heritage 0.2 oz + Banner Maxx 2 fl oz	75° + 28	7	7	7	7	7.0
Banner Maxx 2 fl oz +	11-Jun	7	7	7	7	7.0
Banner Maxx 2 fl oz +	23-Jun					
Heritage 0.4 oz +	7-Jul					
Heritage 0.4 oz	4-Aug					

A13705H 1.3 fl oz	14	7	8	8	7	7.5
A13817A 4.2 fl oz	14	8	7	8	8	7.8
Control	---	7	7	7	7	7.0

^a Treatments drenched in after application.