

Control		14.8	A	3.8	B	1.4	AB
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^a Means followed by the same letter do not differ significantly (LSD, p=0.05).

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 2 gallons/1000 sq ft application volume, unless otherwise indicated in Table 12. The treatments that were applied when soil temperature at 2" depth was 55° were initiated on April 20. Those treatments that were applied beginning at 65° at 2" were initiated on May 3, and those at 75° at 2" on June 7. Subsequent reapplications were made according to the intervals listed in Table 12. Fertility was applied as needed with the study receiving approximately ½ lb N/1000 sq ft/month. The study area was background sprayed with Subdue Maxx (1 fl oz) on June 28 and July 13, and with Chipco 26GT (2 fl oz) on June 28, July 13, and August 8 to prevent development of dollar spot, brown patch or Pythium blight in the test area. Data represent percent plot area diseased (Table 12). Quality differences are noted in Table 12.

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 8.5% of the plot area diseased at the height of infection. Most treatments had significantly less disease than the control. Clearys 3336, Heritage/Banner Maxx, Secure (alone and in program treatments), Banner Maxx (alone and in combination treatments), Compass, Insignia, and several new experimental products were among the treatments that provided good summer patch control. No phytotoxicity was observed in this study.

Table12. Summer Patch

Location: Dearborn Country Club, Dearborn, MI

Rating Scale: Percent area infected with summer patch.

		2-Aug	16-Aug	24-Aug
Treatment and Rate/1000 sq ft	Interval (Days) ^d	Mean ^a	Mean ^a	Mean ^a
3336 6 oz	65 + 14 (4 apps)	0.0 i	0.0 i	0.5 h
A14212 1.54 fl oz	14	0.0 i	0.0 i	0.0 h
A14212 3.08 fl oz	28 (2 apps)	0.0 i	0.0 i	0.0 h
Heritage 50WG 0.4 oz + Banner Maxx 2 fl oz	28 (2 apps)	0.0 i	0.0 i	0.0 h
A14472 2 oz	28 (2 apps)	0.0 i	0.0 i	0.5 h
Secure 32 ml/100 m2	21(3 apps)	0.1 hi	0.0 i	0.1 gh
Secure 64 ml/100 m2	28 (2 apps)	0.1 hi	0.0 i	0.4 h
Secure 64 ml/100 m2	75 then	0.0 i	0.0 i	0.4 h
Compass 50WDG 7.6g/100 m2	28 then			
Secure 64 ml/100 m2	28			
Banner 3 fl oz + Daconil Ultrex 3.2 oz	65 + 28 (3 apps)	0.1 hi	0.1 i	0.5 h

A14472 1 oz	14	0.1 hi	0.1 i	0.5 h
Banner Maxx 2 fl oz	14	0.1 hi	0.1 i	0.1 h
Banner Maxx 103 ml/100 m2	28 (2 apps)	0.3 hi	0.1 i	0.0 h
Banner Maxx 4 fl oz	28 (2 apps)	0.0 i	0.2 i	0.5 h
0214 6 oz	65 + 21 (4 apps)	0.3 hi	0.3 i	1.8 f-h
Banner Maxx 4 fl oz	65+30	0.3 hi	0.3 i	0.1 h
Secure 64 ml/100 m2	21 (2 apps)	0.0 i	0.3 i	0.5 h
Compass 0.25 oz + Bayleton 2 oz	65 + 28 (3 apps)	0.8 f-i	0.3 i	0.8 gh
Compass 0.25 oz + Bayleton 2 oz + Signature 4 oz	65 + 28 (3 apps)	0.4 g-i	0.4 i	0.3 h
Secure 16 ml/100 m2	21(3 apps)	0.3 hi	0.4 i	0.6 gh
Secure 32 ml/100 m2	75 then	0.4 g-i	0.6 hi	0.1 h
Compass 50WDG 3.8g/100 m2	21 then			
Secure 32 ml/100 m2	21			
Insignia 0.9 oz	65 + 28 (3 apps)	1.5 c-i	0.6 hi	1.1 gh
Banner Maxx 4 fl oz	28 (2 apps)	0.8 f-i	0.8 g-i	0.4 h
Compass 50WDG 7.6g/100 m2	28 (2 apps)	0.3 hi	1.0 f-i	2.8 d-h
Banner Maxx 4 fl oz	55+30	1.3 d-i	1.4 f-i	1.3 gh
Insignia 20WG 0.9 oz	28 (2 apps)	1.0 e-i	1.5 f-i	1.8 f-h
Heritage TL 0.8ME 2 fl oz	28 (2 apps)	1.0 e-i	1.8 e-i	1.6 f-h
Insignia 0.9 oz	55+30	1.3 d-i	1.8 e-i	2.1 f-h
Insignia 0.9 oz ^b	28 (2 apps)	2.0 a-i	1.8 e-i	2.0 f-h
Insignia 0.9 oz	65+30	1.0 e-i	2.3 d-i	2.3 f-h
Heritage TL 0.8ME 1 fl oz	14	1.0 e-i	2.4 d-i	2.5 e-h
Insignia 20WG 0.5 oz	14	4.5 a-c	2.5 d-i	3.9 c-h
Compass 50WDG 7.6g/100 m2	21 (2 apps)	0.9 f-i	2.5 d-i	2.9 d-h
Heritage 50WG 0.2 oz	14	2.4 a-i	2.8 d-i	1.3 gh
Compass 50WDG 3.8g/100 m2	21(3 apps)	3.5 a-g	3.1 d-i	1.8 f-h
Heritage 50WG 0.4 oz	28 (2 apps)	3.1 a-i	3.3 c-i	4.3 b-h
Insignia 0.9 oz ^c	28 (2 apps)	2.3 a-i	4.4 b-h	1.8 f-h
Insignia 0.9 oz	28 (2 apps)	1.8 b-i	4.5 b-g	2.1 f-h
Compass 50WDG 1.9 g/100m2	21(3 apps)	4.1 a-e	5.5 a-e	10.8 a
Heritage 0.4 oz	65 + 28 (3 apps)	3.6 a-f	6.0 a-d	6.1 a-g
Gary's Green 6 fl oz + Ultra Plex 3 fl oz + Griggs Exp #2 6 fl oz	65, 14	1.3 d-i	7.0 a-c	9.5 ab
Heritage 50WP 6g/100 m2	28 (2 apps)	5.0 a	7.3 ab	8.1 a-d
Control		7.0 a-h	8.5 a	8.0 a-e

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

^b Treatment applied in 4 gallons/1000 sq ft application volume.

^c Treatment applied in 1 gallon/1000 sq ft application volume.

^d Treatments not labeled with 55°, 65° or 75° degree initiation times were initiated at 75°.