

RED THREAD (*LAETISARIA FUCIFORMIS*)

This study was set up on a ryegrass fairway height turf at Hancock Turfgrass Research Center, East Lansing, MI. The study consisted of four replicates of each treatment set up in a randomized complete block design with plots measuring 6' x 6' with 1' alleys. Treatments were applied using a CO₂ backpack sprayer at 48 GPA and 34 PSI with two 8002E flat fan nozzles. Treatments were applied for the first time on May 31. All treatments were reapplied on 6/13, 7/12, 7/26, and 8/6. Fertilizer was applied as follows: 6/5 (1/4 # N), 6/19 (1/4 # N), 7/12 (1/4 # N), and 7/31 (1/4 # N). Plots were rated for percent area diseased with red thread. Means are presented in Table 8. Data were analyzed with ANOVA and means separated with LSD (p = 0.05).

All of the treatments tested in this study provided significant red thread control compared to the untreated control. While red thread continued to develop in the control plots, by the July 9 rating, all treatments had almost totally eradicated the disease.

Table 8. Red Thread 2001.

Hancock Turfgrass Research Center, East Lansing, MI							
Rating Scale: Percent plot area with red thread.							
Treatment	Rate/1000 sq ft	Interval (Days)	Mean ^a 6/12	Mean 6/25	Mean 7/9	Mean 7/17	Mean 7/26
Endorse	4 oz	14	0.4 a	0 a	0 a	0 a	0 a
Endorse	6 oz	14	0.4 a	0.3 a	0.1 a	0 a	0 a
Chipco 26 GT	4 fl oz	14	0.3 a	0.8 a	0 a	0 a	0 a
Spectro 90WDG	4 oz	14	1.6 a	1.1 a	1.0 a	0.7 a	0 a
Control (Fertilized)	--	--	6.8 b	8.5 b	8.0 b	7.3 b	10.0 b

^aTreatment means within each rating date followed by the same letter do not differ significantly (LSD, p = 0.05).

SUMMER PATCH (*MAGNAPORTHE POAE*)

The study was established on an irrigated annual bluegrass fairways at the Dearborn Country Club in Dearborn, MI. The study consisted of four 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 6/11/01 when temperatures reached 75°F at a 2" soil depth. The 14 day treatments were applied on 6/11, 6/25, 7/9, 7/24, and 8/7. The 21 day treatments were applied on 6/11, 7/2, and 7/24. The 28 day treatments were applied on 6/11, 7/9, and 8/7. The Banner Maxx/Heritage treatment was applied on 6/11, 6/25, 7/9, and 8/7. Fertility was maintained at ¼ # N/1000 ft²/month. Data represent percent plot area diseased in study B on July 30, 2001 and a later rating on September 6. The 9/6 rating was taken after some treatments had expired because disease pressure declined as usual in August and then unexpectedly redeveloped in September. Those data are presented for unexpired treatments or treatments whose longevity outlasted their reapplication interval.