

^c Means followed by the same letter do not differ significantly (LSD, p=0.05).

^d Represents the percent recovery from August 2 until August 15.

^e Treatment applied in a 3 gal/1000 ft² spray volume.

^f Treatment applied in a 2 gal/1000 ft² spray volume.

Note: Program Treatment omitted.

Red Thread (*Laetisaria fuciformis*)

This study was set up on a ryegrass fairway at the Hancock Turfgrass Research Center, E. Lansing, MI. The study consisted of 4 replicates of each treatment set up in a randomized complete block design with plots measuring 6' x 6'. Treatments were applied curatively using a CO₂ backpack sprayer at 48 GPA and 34 PSI with two 8002E flat fan nozzles. A pre-treatment rating was taken on 6/13 (Table 10), and then initial treatment applications were made. All treatments were applied on a 14 day schedule with subsequent applications made on 6/28, 7/11, 7/26, 8/8, 8/21, and 9/6. Fertilizer was applied as follows: 5/17 (1#N), 6/6 (1/8#N), 6/14 (1/8#N), 6/20 (1/8#N), 7/2 (1/8#N), 7/18 (1/8#N), 7/31 (1/8#N), and 8/6 (1/2#N). A second curative study was established on an adjacent colonial bentgrass/annual bluegrass fairway plot area. Plots measured 6' x 9' and were initially treated on June 14 with subsequent applications made as stated above. Plots were rated for percent area infected with red thread. Data were analyzed with ANOVA and means separated with LSD (5%).

Disease pressure was very low in this study this year with the control having a maximum mean of 5%. With such low pressure, treatment means did not separate from each other statistically, but all provided good control of red thread compared to the control. No phytotoxicity was observed.

Table 10. Red Thread
Location: HTRC, E. Lansing, MI
Rating Scale: Mean % red thread

		Study 1				Study 2				Study 2	
		13-Jun ^a		11-Jul		17-Jun		10-Jul		% Recovery Jun 17 – July 10	
Treatment/Rate	Interval (Days)	Mean ^b	LSD ^c	Mean	LSD	Mean	LSD	Mean	LSD	Mean	LSD
Endorse 4oz	14	1.0	A	0.2	A	3	A	0.13	A	93.8	A
Ch. 26 GT 4 oz	14	1.3	A	0.0	A	3.25	A	0	A	100	A
Heritage 0.2 oz	14	1.5	A	0.1	A	2.5	A	0.13	A	95.8	A
Control	--	1.1	A	0.4	B	4	A	0.88	B	70.6	B

^a Pretreatment rating.

^b Represents the mean of 4 replicate plots.

^c Means followed by the same letter do not differ significantly (LSD, p=0.05).