

Melting Out (*Dreschlera poae*)

Study was set up on a Kenblue Kentucky bluegrass at 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 3' x 9' with 1' alleys. Plots were mowed at 2.5". Treatments were applied preventively beginning on May 2 using a CO₂ backpack sprayer at 34 PSI with two 8002E flat fan nozzles. Subsequent applications for 14-day treatments were made on May 17, May 30, June 13, and June 27 and for 21-day treatments on May 23 and June 13. Treatments on a 35-day preventive schedule were reapplied on June 9. Curative treatments were applied initially on June 3. The spray volume used was 1 gallon per 1000 ft² unless otherwise indicated in the data table. Fertilizer was applied as follows: June 1 (1/4#N), June 10 (1/8#N), June 19 (1/8#N), and June 27 (1/8#N). Plots were rated on a 0-10 scale where 0= no disease and 10=100% leaves infected (see Table 3.) Data were analyzed with ANOVA and means separated with LSD (p=0.05). No phytotoxicity was observed in this study this season.

As the data in Table 3 indicate, most treatments gave statistically significant control of melting out through the June 29 rating. Disease pressure was relatively light this year as we experienced a warm, dry spring.

| Table 3. Mean Melting Out Ratings | | | | |
|--|-----------------|---------------------|---------------------|---------------------|
| Rating Scale: 0-10 where 0= best, 10= worst, 2= acceptable. | | | | |
| Treatment Rate/1000 sq ft | Interval (Days) | 31-May ^a | 20-Jun ^a | 29-Jun ^a |
| TADS 12529 (70 WG) 8.5 g | 21 | 2.25 b-e | 2 ef | 1.75 f |
| Chipco Triton (1.67SC) 1 fl oz | 21 | 1.75 de | 2.25 d-f | 2 ef |
| TADS 12529 (70 WG) 4.25 g | 21 | 2 c-e | 2.25 d-f | 2 ef |
| Chipco Triton (1.67SC) 0.5 fl oz | 21 | 2.25 b-e | 2 ef | 2.25 d-f |
| Compass 50 WG 0.1 oz ^b | 1 app. only | 2.5 b-d | 3.5 ab | 2.5 c-e |
| Banner Maxx 2 fl oz | 14 | 1.75 de | 1.75 f | 2.75 cd |
| Chipco 26GT 4 fl oz | 14 | 2.5 b-d | 2.5 c-f | 2.75 cd |
| Compass 50 WG 0.15 oz ^b | 1 app. only | 2.5 b-d | 2.75 b-e | 3 bc |
| Daconil Ultrex 3.8 oz | 14 | 2 c-e | 2.75 b-e | 3 bc |
| Control | -- | 3.75 a | 3.75 a | 3.5 ab |

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

^b Spray volume was 2 gal/1000 ft².

^c Spray volume was 3 gal/1000 ft².