

Fungicides for the Preventative Control of Pythium Blight

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OBJECTIVE

To determine the efficacy of standard and experimental fungicides for preventing Pythium blight caused by *Pythium* spp.

MATERIALS AND METHODS

The study was conducted at the O.J. Noer Turfgrass Research and Education Facility in Verona, WI on a stand of perennial ryegrass (*Lolium perenne*) seeded on June 1st and maintained at a one inch cutting height. The individual plots measured 3 feet by 5 feet and were arranged in a randomized complete block design with four replications.

RESULTS AND DISCUSSION

No Pythium blight was observed at the OJ Noer Turfgrass Research and Education Facility due to unseasonably cool conditions throughout the summer. No differences in turfgrass quality were observed.



[Turfgrass Diagnostic Laboratory Home](#)

Table 1. Mean percent Pythium blight per treatment at the OJ Noer Turfgrass Research Facility in 2009.

| Treatment | | Rate | Application Interval | Pythium blight disease severity* |
|-----------|------------------------------------|--|----------------------|----------------------------------|
| 1 | Non-treated control | | | NA |
| 2 | Subdue Maxx | 1.0 FL OZ/1000 FT2 | 14 Day | NA |
| 3 | QP Mefenoxam | 1.0 FL OZ/1000 FT2 | 14 Day | NA |
| 4 | Heritage | 0.4 OZ/1000 FT2 | 14 Day | NA |
| 5 | Segway | 0.7 FL OZ/1000 FT2 | 14 Day | NA |
| 6 | Compass G | 64 OZ/1000 FT2 | 14 Day | NA |
| 7 | Disarm G | 36.7 OZ/1000 FT2 | 14 Day | NA |
| 8 | A14912 | 32 OZ/1000 FT2 | 14 Day | NA |
| 9 | A14912 | 48 OZ/1000 FT2 | 14 Day | NA |
| 10 | A14912 | 64.5 OZ/1000 FT2 | 14 Day | NA |
| 11 | GWN-9790 GWN-9812 | 0.29 OZ/1000 FT2 1.0 QT/Acre | 14 Day | NA |
| 12 | GWN-9790 GWN-9812 | 0.37 OZ/1000 FT2 1.0 QT/Acre | 14 Day | NA |
| 13 | GWN-9790 GWN-9812 | 0.44 OZ/1000 FT2 1.0 QT/Acre | 14 Day | NA |
| 14 | Rubigan AS GWN-9790 GWN-9812 | 0.75 FL OZ/1000 FT2 0.44 OZ/1000 FT2 1.0 QT/Acre | 14 Day | NA |
| 15 | NB36693 | 3.3 LB/Acre | 14 Day | NA |
| 16 | NB36693 | 6.6 LB/Acre | 14 Day | NA |
| 17 | NB36691 | 3.2 Gal/Acre | 14 Day | NA |
| 18 | NB36691 | 6.4 Gal/Acre | 14 Day | NA |

* Means followed by the same letter do not significantly differ (P=.05, Student-Newman-Keuls)