

**Preventative fungicide applications for the control of grey snow mold on creeping bentgrass, 2005-2006.**

Tests were conducted on a Bridgehampton silt loam located at the Skogley Memorial Turfgrass Research Facility at the University of Rhode Island. The turf was maintained at a 0.13 in. mowing height, irrigated as needed and a total of 4 lb N was applied in four separate applications throughout the course of the season as a slow release formulation. Plots measured 5 ft x 5 ft with no borders and were arranged in a randomized complete block design with three replicates on an original mixture of 83% ‘Penncross’ and 17% ‘Penneagle’ creeping bentgrass with minimal *Poa annua* invasion. Liquid fungicides were applied using a CO<sub>2</sub>-pressurized hand held sprayer fitted with TeeJet 8004VS Visiflow flat fan nozzles delivering 3.2 gallons/1000 sq ft at 40 psi. Fungicides were applied on two separate occasions: Early = 22 Nov 05, Late= 14 Dec 05. No mowing occurred after the early application. Plots were inoculated with *T. incarnata* on 16 Dec with approximately 75g per plot of 12-week-old infected rye. Immediately after inoculation, plots were covered with 4 inches of loose hay and covered with a lightweight porous greenscover. The experiment was then surrounded by snow and silt fencing, increasing humidity inside the experimental area. Plots were uncovered on 14 Mar 06 and rated.

Inoculation was successful, resulting in approximately 77% disease in control plots. The majority of treatments resulted in excellent control of grey snow mold. Endorse was only marginally effective when applied alone but almost complete control was achieved when combined with Spectro. Both PCNB products (Par-Flo and Revere) resulted in complete snow mold control with a single late fungicide application.

Treatment and rate per 1000 sq ft	Application Dates	% Disease *
Control .....	-	76.7 a
26/36 3.8SC 4.0 oz + Endorse 2.5WP 4 oz .....	Early	6.7 cd
26/36 3.8SC 4.0 oz + Daconil Ultrex 82.5WG 5.5 oz .....	Early	1.7 cd
Endorse 2.5WP 4.0 oz .....	Early	30.0 b
Endorse 2.5WP 4.0 oz + Spectro 90WDG 4 oz .....	Early	4.0 cd
Spectator Ultra 1.3MEC 4.0 fl oz .....	Early	0.0 d
Revere 4000 4F 12.0 fl oz .....	Late	
AMVAC Par-Flo 4F 12.0 fl oz .....	Late	0.0 d
Revere 4000 4F 12.0 fl oz .....	Late	0.0 d
Insignia 20 WG 0.7 oz .....	Early	0.0 d
18 Plus 2SC 4.0 fl oz + Manicure 82.5WDG 5.0 oz .....	Late	
Spectator Ultra 1.3MEC 4.0 fl oz .....	Early	0.0 d
Insignia 20 WG 0.7 oz + Manicure 82.5WDG 5.0 oz .....	Late	
Insignia 20 WG 0.7 oz .....	Early	0.0 d
Manicure 82.5WDG 5.0 oz + Revere 4000 4F 12.0 fl oz .....	Late	

\*Plots were rated based on the percentage of symptomatic plot area. Means within a column followed by the same letter are not significantly different, according to the Waller-Duncan k-ratio t-test (k=100, P≤0.05).