

ANNUAL BLUEGRASS (*Poa annua*)  
 Speckled snow mold *Typhula ishikariensis*  
 Gray Snow Mold; *T. incarnata*

T.D. Blunt and N.A. Tisserat  
 Bioagricultural Sciences and Pest Management  
 Colorado State University  
 Fort Collins, CO 80523-1177

**Fungicide evaluation for the preventive control of snow molds on Annual Bluegrass, Vail, 2006-2007.**

Experiments for control of pink and gray snow mold were performed on an annual bluegrass fairway at Vail Golf Club (elev. 8,600 ft). Treatments were arranged in a randomized complete block design with four replications. Individual plots measured 5 ft x 5 ft. First applications of several fungicide treatments were applied 26 Sept 06. The second application of the initial treatments and the remainder of the treatments were applied 24 Oct 06. All fungicides were applied in the equivalent of 5 gal water/1000 sq ft. A CO<sub>2</sub>-powered sprayer equipped with 8004 Tee-jet nozzles delivered the treatments at 30 psi. Fungicide effectiveness was evaluated after snowmelt on 26 Mar 07. Plots were rated for the percentage of turf damaged by snow mold.

Snow had to be removed from plots prior to fungicide application in October. After application plots remained snow-free for two weeks. Snowmelt in late March occurred approximately two weeks earlier than normal. Nevertheless, disease pressure was high with untreated plots averaging 89% plot area damaged. All fungicides except DPX-H6573 at 0.44 fl oz, DPX-LEM17 at 0.5 oz, DPX-LEM17 at 0.5 and 1.0 oz, and DPX-YT669 at 0.425 fl oz reduced severity. However, most fungicide combinations did not provide acceptable levels of control (<10% damage). Plots were re-evaluated on 1 May 07 (results not shown) with most plots showing and increase in turf recovery from snow mold damage.

Treatment and Rate/1000 sq ft <sup>y</sup> (except where noted)	Plot area damaged
Insignia 20WG 0.7 oz FB Manicure Ultra 82.5WDG 5 oz + Revere 4000 12 fl oz .....	4.0q
Tartan 288SC 2 fl oz+ Daconil Ultrex 82.5WDG 5 oz .....	5.5pq
TBZ+TFS Green 2 fl oz + Chipco 26019GT 4 fl oz .....	8.8opq
26/36 4 fl oz + CLEXP09 1.2 oz.....	8.8opq
Spectro 90WDG 4 oz FB 26/36 4 fl oz + Endorse 4 oz.....	9.3opq
Insignia 20WG 0.7 oz + Revere 4000 4 fl oz + Manicure Ultra 82.5WDG 5 oz.....	10.0n-q
Spectro 90WDG 4 oz FB 26/36 4 fl oz + CLEXP09 1.2 oz.....	10.3n-q
Lynx Green 1 fl oz + Chipco 26019GT 4 fl oz + Daconil Ultrex 82.5WDG 5 oz .....	10.5n-q
Tartan 288SC 2 fl oz + Prostar 70DF 2.2 fl oz .....	11.5m-q
26/36 4 fl oz + Endorse 4 oz .....	12.5l-q
18 Plus 23.3 4 fl oz + Manicure Ultra 82.5WDG 5 oz + Revere 4000 12 fl oz.....	14.5l-q
Tartan 288SC 2 fl oz + Chipco 26019GT 6 fl oz .....	16.5l-q
Spectro 90WDG 5.75 oz + CLEXP09 1.2 oz.....	17.5l-q
Insignia 20WG 0.7 oz + Revere 4000 4 fl oz + Manicure Ultra 82.5WDG 4 oz.....	17.5l-q
DPX-LEM17 20SC 2.0 fl oz .....	18.8k-q
Armada 50WP 1.2 oz FB Revere 4000 12 fl oz .....	19.0k-q
TBZ+TFS Green 2 fl oz.....	20.0j-q
Instrata 3.61SE 11.0 fl oz.....	20.0j-q
Spectro 90WDG 4 oz FB 26/36 4 fl oz + Daconil Ultrex 82.5WDG 5.5 oz .....	20.8j-q
Insignia 20WG 0.7 oz FB Manicure Ultra 82.5WDG 5 oz + 18 plus 23.3 4 fl oz .....	22.5i-q
Banner MAXX 1.3ME 2.0 fl oz + Daconil WeatherStik 6F 5.5 fl oz + SYNC .....	22.5i-q
Tartan 288SC 2 fl oz + Chipco 26GT 6 fl oz + SYNC .....	22.5i-q
Insignia 0.7 oz + BAS595 1 oz + Manicure 5 oz .....	22.5i-q
Medallion 50WP 0.15 oz+ Daconil Weather Stik 6F 2.5 fl oz+ Banner MAXX 1.3ME 1.8 fl oz	23.8i-q
Instrata 3.61SE 9.0 fl oz.....	23.8i-q
26/36 4 fl oz + Daconil Ultrex 82.5WDG 5.5 oz.....	26.3i-q
Banner MAXX 1.3ME 2.0 fl oz+ Daconil Weather Stik 6F 5.5 fl oz .....	26.3i-q
Tartan 288SC 2 fl oz+ Turfcide 4F 6 fl oz .....	27.5g-p
Banner MAXX 1.3ME 2.0 fl oz + Daconil Ultrex 82.5WDG 5 oz + Medallion 50WP 0.5 oz...	30.0g-q
Tartan 288SC 2 fl oz + Chipco 26GT 6 fl oz .....	31.3g-p
Insignia 20WG 0.7 oz + Iprodione Pro 4 fl oz + Manicure Ultra 82.5WDG 5 oz.....	31.3g-p
Spectro 90WDG 4 oz + 26/36 4 fl oz + Daconil Ultrex 82.5WDG 5.5 oz + SYNC.....	31.500g-p
Spectro 90WDG 4 oz + 26/36 4 fl oz + Daconil Ultrex 82.5WDG 5.5 oz.....	33.8g-m
Spectator Ultra 14.3 4 fl oz + Insignia 20WG 0.7 oz FB Manicure Ultra 82.5WDG 5 oz .....	36.3g-m
DPX-LEM17 20SC 1.0 fl oz+ DPX YT669 22.5SC 0.425 fl oz .....	37.5g-m
Spectator Ultra 14.3 4 fl oz FB Revere 4000 12 fl oz .....	38.8g-l
Turfcide 400F 12.0 oz.....	45.0f-k

Banner MAXX 1.3ME 2.0 fl oz+ Turfcide 4F 6.0 fl oz.....	46.3e-j
Instrata 3.61SE 5.0 fl oz.....	48.8d-i
Banner MAXX 1.3ME 2.0 fl oz + Daconil WeatherStik 6F 5.5 fl oz .....	52.5d-h
DPX-LEM17 20SC 1.0 fl oz+ DPX-H6573 37.7EC 0.44 fl oz .....	53.8d-g
DPX-H6573 37.7EC 0.44 fl oz .....	66.3c-f
DPX-LEM17 20SC 0.5 oz .....	71.3b-f
DPX-YT669 22.5SC 0.425 fl oz .....	72.5a-e
DPX-LEM17 20SC 1.0 fl oz .....	75.0a-d
Mustard seed 1 day germination 100g/100 ft2 .....	82.5abc
Rapeseed 1 day germination 500g/100 ft2 .....	83.8abc
Untreated Control.....	88.8abc
Oilseed radish seed 6 day germination 500g/100 ft2 .....	96.3ab
Rapeseed 6 day germination 500g/100 ft2 .....	91.3abc
Oilseed radish seed 1 day germination 500g/100 ft2 .....	90.0abc
Mustard seed 6 day germination 500g/100 ft2 .....	93.8ab
Rapeseed 1 day germination 100g/100 ft2 .....	90.0abc
Mustard seed 1 day germination 500g/100 ft2 .....	98.8a
Oilseed radish seed 1 day germination 100g/100 ft2 .....	96.3ab
<u>LSD.....</u>	<u>26.</u>

<sup>y</sup> Applied 24 Oct 06

<sup>x</sup> Based upon Fisher's Protected Least Significant Difference ( $\alpha=0.05$ )