

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

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Fungicide evaluation for the preventive control of snow molds on Annual Bluegrass, Vail, 2007-2008.

Experiments for control of gray and speckled snow mold were performed on an annual bluegrass fairway at Vail Golf Club (elev. 8200 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 27 Sept 07. The second application of the initial treatments and the remainder of the treatments were applied 24 Oct 07. All fungicides were applied in the equivalent of 5 gal water/1000 sq ft. A CO₂-powered sprayer equipped with 8004 Tee-jet nozzles delivered the treatments at 30 psi. Fungicide effectiveness was evaluated after snowmelt on 12 May 08. Plots were rated for the percentage of turf damaged by snow mold.

Snow cover this field season was delayed. The first permanent snow was on or about 19 Nov 07. This season had greater snow cover than had been seen in the previous 3 years. The depth of the snow, at one time, was about 4 feet deep. Final snow melt from the trial plots was about 10 May 08, which was about two weeks later than normal. At evaluation time, there was still snow cover on shaded parts of the golf course. Due to the length and amount of snow cover, disease pressure was high. The untreated plots averaged 98% area damaged. Even though there were several fungicide combinations that provided adequate control (<10% damage) and there were a few combinations that were close to the 10% control, the majority of the fungicide combinations did not provide acceptable levels of control.

Treatment and Rate/1000 sq ft ^y (except where noted)	Plot area damaged
Spectro 90WDG 4.0 oz FB Clearys 26/36 8.0 fl oz + Clearys CX-09 WDG 1.2 oz.....	1.50i
Spectro90WDG 4.0 oz FB Clearys CX-09 WDG 1.2 oz + Endorse 4.0 oz.....	2.25i
Reserve 575SC 3.8 fl oz + Compass 50WDG 0.25 oz.....	2.25i
Spectro 90WDG 5.75 oz + Clearys CX-09 WDG 1.2 oz	2.75i
Spectro 90WDG 4.0 oz FB Clearys 26/36 4.0 fl oz + Clearys CX-09 WDG 1.2 oz.....	4.50hi
Lynx 240SC 1.5 fl oz + Compass 50WG 0.25 oz + Daconil Ultrex 82.5WDG 5.0 oz	7.00ghi
Instrata 3.6SE 9.3 fl oz + Medallion 50WP 0.25 oz	7.00ghi
Spectro 90WDG 4.0 oz FB Clearys 26/36 4.0 fl oz + Endorse 4.0 oz.....	7.50ghi
Reserve 575SC 7.6 fl oz + Chipco 26GT 240SC 4.0 fl oz	10.50f-i
Spectro 90WDG 4.0 oz FB Clearys 26/36 4.0 fl oz + Endorse 4.0 oz.....	10.50f-i
Spectro 90WDG 4.0 oz + Clearys 26/36 4.0 fl oz + Endorse 4.0 oz	11.75f-i
Instrata 3.6SE 11.0 fl oz + Medallion 50WP 0.25 oz	12.50f-i
Insignia 20WG 0.7 oz + Trinity 1.0 fl oz + PCNB 4F 6.0 fl oz.....	13.75e-i
Instrata 3.6SE 11.0 fl oz.....	14.25e-i
Lynx 240SC 1.5 fl oz + Chipco 26GT 240SC 4.0 fl oz + Daconil Ultrex 82.5WDG 5.0 oz	18.75d-i
Insignia 20WG 0.7 oz + Chipco 26GT 240SC 4.0 fl oz + Daconil Ultrex 82.5WDG 5.0 oz	19.50d-i

Trinity 1.0 fl oz + Chipco 26GT 240SC 4.0 fl oz + Daconil Ultrex 82.5WDG 5.0 oz	20.00d-i
Insignia 20WG 0.7 oz + Chipco 26GT 240SC 4.0 oz + PCNB 400F 6.0 fl oz	22.50d-i
Banner MAXX 1.3ME 4.0 fl oz + Daconil Ultrex 82.5WDG 4.5 oz + Medallion 50WP 0.33 oz	25.00c-h
Instrata 3.6SE 5.5 fl oz FB Instrata 3.6SE 5.5 fl oz	27.50c-g
Instrata 3.6SE 7.0 fl oz FB Instrata 3.6SE 7.0 fl oz	30.00c-f
Instrata 3.6SE 9.3 fl oz.....	31.25c-f
Banner Maxx 1.3ME 3.25 fl oz + Daconil Ultrex 82.5WDG 4.5 oz + Medallion 50WP 0.27 oz	31.25c-f
Tartan 288SC 2.0 fl oz + Turfcide 4F 6.0 fl oz	34.25cde
Insignia 20WG 0.7 oz + Trinity 1.0 fl oz + Chipco 26GT 240SC 4.0 oz	36.25cd
Insignia 20WG 0.7 oz + Trinity 1.0 fl oz + Daconil Ultrex 82.5WDG 5.0 oz	37.25cd
Tartan 288SC 2.0 fl oz + Daconil Ultrex 82.5WDG 5.0 oz.....	45.75bc
Reserve 575SC 7.6 fl oz	59.50b
Instrata 3.6SE 9.3 fl oz.....	65.00b
<u>Untreated Control.....</u>	<u>98.25a</u>
<u>^xLSD</u>	<u>21.20</u>

^y Applied 24 Oct 07

^x Based upon Fisher's Protected Least Significant Difference ($\alpha=0.05$)