

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, 2009-2010.

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 02 Oct 09. The second application of the initial treatments and the remainder of the treatments were applied 05 Nov 09. 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 10 May 10. Plots were rated for the percentage of turf damaged by snow mold. Statistics presented are based on replications 1-3, replication 4 was not included due to extensive elk damage on the plot.

Snow cover this field season was delayed. The first permanent snow was on or about 19 Nov 10. First snow melt was in April 10 with additional snow cover after the first melt. Final snow melt from the trial plots was about 06 May 10, which was about two weeks later than normal. At evaluation time, there was still snow cover on shaded parts of the golf course. Disease pressure on the fairway was consistent with previous years. Even though there were several fungicide combinations that provided adequate control (<20% damage) and there were a couple of combinations that were close to the 10% control, the majority of the fungicide combinations did not provide acceptable levels of control.

Treatment & Rate (1000 ft ²)	Plot area damaged
Reserve 4.8SC 5.4 fl oz + Compass 50WG 0.25 oz	9.67h
Instrata 3.6SE 5.5 fl oz FB Instrata 3.6SE 5.5 fl oz	10.00h
Instrata 3.6SE 5.5 fl oz + Fore 80WP 8.0 oz FB Instrata 3.6SE 5.5 fl oz + Fore 80WP 8.0 oz	10.33gh
Insignia 20SC 0.54 oz + Trinity 19.2SC 1.0 oz + Iprodione Pro 4.0 fl oz	11.00gh
Tourney 50WDG 0.37 oz + Clearys 3336 4.0 oz FB Tourney 50WDG 0.37 oz + Clearys 3336 4.0 oz ..	11.67gh
Instrata 3.6SE 11.0 fl oz	11.67gh
Interface 24.5SC 4.0 fl oz + Turfcide 400F 8.0 fl oz	12.67fgh
Interface 24.5SC 5.0 fl oz + Triton Flo 367SC 0.85 fl oz	12.67fgh
Daconil Ultrex 82.5WDG 5.5 oz + Medallion 50WP 0.50 oz + Banner MAXX 1.3ME 4.0 fl oz	12.67fgh
Interface 24.5SC 6.0 fl oz + Triton Flo 367SC 0.85 fl oz	14.33fgh
V10277 45G 2.4 lb + Clearys 3336 4.0 oz FB V10277 45G 2.4 lb + Clearys 3336 4.0 oz	15.00fgh
Turfcide 400F 16.0 fl oz	16.00e-h
Insignia 20SC 0.54 oz + Trinity 19.2SC 1.0 fl oz + Daconil Ultrex 82.5WDG 3.2 oz	16.67e-h
Reserve 4.8SC 4.5 fl oz + Compass 50WG 0.20 oz	16.67e-h
Kestrel MEX 1.3ME 4.0 fl oz + Pegasus HPX 5.5 fl oz FB Kestrel MEX 1.3ME 4.0 oz + Raven 4.0 fl oz	16.67e-h
Daconil Ultrex 82.5WDG 3.2 oz + Medallion 50WP 0.50 oz + Banner MAXX 1.3ME 4.0 fl oz	16.67e-h
Turfcide 400F 12 fl oz + Rhapsody 1.34DC 5.0 fl oz	18.33e-h

Peregrine 4.0 oz + Pegasus HPX 3.0 fl oz + Kestrel MEX 1.3ME 4.0 fl oz + Raven 4.0 fl oz	18.33e-h
Instrata 3.6SE 11.0 fl oz + Medallion 50WP 0.17 oz	19.33e-h
Interface 24.5SC 4.0 fl oz + Triton Flo 367SC 0.85 fl oz	20.00e-h
Honor 28WG 0.83 oz + Trinity 19.2SC 1.0 oz + Daconil Ultrex 82.5WDG 3.2 oz	20.00e-h
Insignia 20WG 0.7 oz + Tourney 50WDG 0.37 oz + Daconil Ultrex 82.5WDG 5.5 oz.....	21.67e-h
Curalan 50EG 1.0 oz + Daconil Ultrex 82.5WDG 3.2 oz FB	
Insignia 20WG 0.7 oz + Trinity 19.2SC 1.0 oz + Daconil Ultrex 82.5WDG 3.2 oz	23.33d-h
Reserve 4.8SC 4.5 fl oz + Compass 50WG 0.25 oz	23.33d-h
Disarm C 5.8 fl oz + Raven 23.1EC 4.0 fl oz	23.33d-h
V10277 45G 2.4 lb FB V10277 45G 2.4 lb	26.67d-h
Chipco 26GT 4.0 fl oz + Medallion 50WP 0.5 oz + Banner MAXX 1.3ME 4.0 fl oz	26.67d-h
Kestrel MEX 1.3ME 4.0 fl oz FB Disarm C 5.8 fl oz + Raven 4.0 fl oz	28.33d-g
Chipco 26GT 4.0 fl oz + Daconil Ultrex 82.5WDG 3.2 oz + Medallion 50WP 0.5 oz + Banner Maxx 1.3ME 4.0 fl oz	28.33d-g
Disarm M 1.0 fl oz + Pegasus DF 3.6 fl oz	30.00def
Daconil Ultrex 82.5WDG 5.5 oz + Medallion 50WP 0.25 oz + Banner MAXX 1.3ME 4.0 fl oz	34.00de
Pegasus L 3.6 fl oz + Kestrel MEX 1.3ME 3.0 fl oz + Dovetail 39.3EC 4.0 fl oz + DisarmSC 0.36 oz.....	40.00cd
Tourney 50WDG 0.37 oz FB Tourney 50WDG 0.37 oz.....	53.33bc
Rhapsody 1.34DC 5.0 fl oz	58.33b
<u>Untreated Control</u>	<u>81.67a</u>
<u>LSD alpha 0.05</u>	<u>18.16</u>