



## **2014-2015 Snow Mold Control Evaluation: Nakoma Golf Club – Madison, WI**

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### **OBJECTIVE**

To evaluate fungicides for the control of Typhula blight (caused by *Typhula incarnata*) and Microdochium patch (caused by *Microdochium nivale*).

### **MATERIALS AND METHODS**

This evaluation was conducted at Nakoma Golf Club in Madison, WI on a creeping bentgrass (*Agrostis stolonifera*) and annual bluegrass (*Poa annua*) golf course fairway maintained at a height of 0.5 inches. Individual plots measured 3 ft x 10 ft and were arranged in a randomized complete block design with four replications. Individual treatments were applied at a nozzle pressure of 40 p.s.i using a CO<sub>2</sub> pressurized boom sprayer equipped with two XR Teejet AI8004 VS nozzles. All fungicides were agitated by hand and applied in the equivalent of 1.5 gallons of water per 1000 ft<sup>2</sup>. Early applications were made on October 27<sup>th</sup>, 2014 and late applications were applied on December 2<sup>nd</sup>, 2014. The experimental plot area was not inoculated. There was consistent snow cover on the experimental area from late January until mid-March, a total of nearly 60 days. Disease severity, turf quality, and color were recorded on March 16<sup>th</sup>, 2015. Disease severity was visually rated as percent area affected, turfgrass quality was visually rated on a 1-9 scale with 6 being acceptable, and Normalized Difference Vegetative Index (turfgrass color) was rated using a HCS 100 GreenSeeker® from Trimble Navigation Ltd (Sunnyvale, CA). Treatment means were analyzed using the Waller Duncan method and are presented in Table 1.

### **RESULTS AND DISCUSSION**

Consistent snow cover did not arrive until well into the winter of 2014-2015, and snow mold was absent as a result. Snow mold was not observed in the non-treated control. This decreased severity was likely due to the extremely cold temperatures observed in southern Wisconsin and a lack of snow depth required to properly insulate the turf surface. Differences in turf color were not observed using the NDVI meter, though products containing pigments did appear slightly more green and resulted in a slight increase in turf quality.

**Table 1: Mean snow mold severity, turf quality, and turf color assessed on March 16<sup>th</sup>, 2015 at Nakoma Golf Club in Madison, WI.**

	Treatment	Rate	Application Timing <sup>a</sup>	Disease Severity <sup>b</sup>	Turf Quality <sup>c</sup>	Turf Color <sup>d</sup>
1	Non-treated control			0.0a	7.0d	0.368bc
2	Civitas	8.0 fl oz/1000 ft2	Late			
	Harmonizer	0.5 fl oz/1000 ft2	Late	0.0a	7.5bc	0.390abc
	Topaz	1.0 fl oz/1000 ft2	Late			
3	Civitas	8.0 fl oz/1000 ft2	Late			
	Harmonizer	0.5 fl oz/1000 ft2	Late	0.0a	7.8ab	0.368bc
	Topaz	1.0 fl oz/1000 ft2	Late			
	Droplex	10.0 fl oz/a	Late			
4	Instrata	5.5 fl oz/1000 ft2	Late			
	Droplex	10.0 fl oz/a	Late	0.0a	7.0d	0.370bc
5	Civitas	16.0 fl oz/1000 ft2	Early/Late			
	Harmonizer	1.0 fl oz/1000 ft2	Early/Late	0.0a	8.0a	0.400abc
6	Civitas	16.0 fl oz/1000 ft2	Early/Late			
	Harmonizer	1.0 fl oz/1000 ft2	Early/Late	0.0a	8.0a	0.368bc
	Secure	0.5 fl oz/1000 ft2	Late			
7	Secure	0.5 fl oz/1000 ft2	Late	0.0a	7.0d	0.400abc
8	654-0520	16.0 fl oz/1000 ft2	Early/Late			
	EXP 654-0505	0.5 fl oz/1000 ft2	Early/Late	0.0a	8.0a	0.370bc
9	654-0520	16.0 fl oz/1000 ft2	Early/Late			
	EXP 654-0505	0.5 fl oz/1000 ft2	Early/Late	0.0a	8.0a	0.380abc
	Secure	0.5 fl oz/1000 ft2	Late			
10	654-0520	16.0 fl oz/1000 ft2	Early/Late			
	654-0653	0.89 fl oz/1000 ft2	Early/Late	0.0a	8.0a	0.385abc
11	654-0520	16.0 fl oz/1000 ft2	Early/Late			
	654-0653	0.89 fl oz/1000 ft2	Early/Late	0.0a	8.0a	0.368abc
	Secure	0.5 fl oz/1000 ft2	Late			
12	Civitas	16.0 fl oz/1000 ft2	Early/Late			
	Harmonizer	1.0 fl oz/1000 ft2	Early/Late	0.0a	8.0a	0.388abc
	Torque	0.6 fl oz/1000 ft2	Late			
13	Torque	0.6 fl oz/1000 ft2	Late	0.0a	7.0d	0.355c
14	Civitas	16.0 fl oz/1000 ft2	Early/Late			
	Harmonizer	1.0 fl oz/1000 ft2	Early/Late	0.0a	8.0a	0.368bc
	Instrata	11.0 fl oz/1000 ft2	Late			
15	654-0520	16.0 fl oz/1000 ft2	Early/Late			
	EXP 189-43	1.3 fl oz/1000 ft2	Early/Late	0.0a	8.0a	0.440ab
16	654-0520	16.0 fl oz/1000 ft2	Early/Late			
	EXP 189-43	1.3 fl oz/1000 ft2	Early/Late	0.0a	7.8ab	0.425abc
	Secure	0.5 fl oz/1000 ft2	Late			
17	Turficide	8.0 fl oz/1000 ft2	Late			
	Foursome	0.5 fl oz/1000 ft2	Late	0.0a	7.8ab	0.375abc
18	Turficide	12.0 fl oz/1000 ft2	Late			
	Foursome	0.5 fl oz/1000 ft2	Late	0.0a	8.0a	0.375abc
19	Turficide	16.0 fl oz/1000 ft2	Late			
	Foursome	0.5 fl oz/1000 ft2	Late	0.0a	7.8ab	0.390abc

<sup>a</sup>Early fungicide treatments applied on Oct. 27<sup>th</sup>, 2014 and late treatments applied on Dec. 2<sup>nd</sup>, 2014.

<sup>b</sup>Mean percent diseased area assessed on March 16<sup>th</sup>, 2015.

<sup>c</sup>Quality was visually assessed where 1 = dead, 6 = acceptable, 9 = dark green.

<sup>d</sup>Color was assessed using an HCS 100 NDVI GreenSeeker from Trimble Navigation Ltd®.

**Table 1 (cont): Mean snow mold severity, turf quality, and turf color assessed on March 16<sup>th</sup>, 2015 at Nakoma Golf Club in Madison, WI.**

	Treatment	Rate	Application Timing <sup>a</sup>	Disease Severity <sup>b</sup>	Turf Quality <sup>c</sup>	Turf Color <sup>d</sup>
20	Interface	3.0 fl oz/1000 ft <sup>2</sup>	Late	0.0a	7.8ab	0.403abc
	Triton FLO	0.75 fl oz/1000 ft <sup>2</sup>	Late			
21	Interface	3.0 fl oz/1000 ft <sup>2</sup>	Late	0.0a	7.5bc	0.393abc
	Turfcide	8.0 fl oz/1000 ft <sup>2</sup>	Late			
	Foursome	0.5 fl oz/1000 ft <sup>2</sup>	Late			
22	Concert II	8.5 fl oz/1000 ft <sup>2</sup>	Late	0.0a	7.0d	0.383abc
	Banner MAXX II	1.0 fl oz/1000 ft <sup>2</sup>	Late			
23	Concert II	8.5 fl oz/1000 ft <sup>2</sup>	Late	0.0a	8.0a	0.380abc
	Turfcide	8.0 fl oz/1000 ft <sup>2</sup>	Late			
	Foursome	0.5 fl oz/1000 ft <sup>2</sup>	Late			
24	Insignia	0.7 fl oz/1000 ft <sup>2</sup>	Late	0.0a	7.0d	0.370bc
	Trinity	1.0 fl oz/1000 ft <sup>2</sup>	Late			
25	Insignia	0.7 fl oz/1000 ft <sup>2</sup>	Late	0.0a	8.0a	0.360c
	Turfcide	8.0 fl oz/1000 ft <sup>2</sup>	Late			
	Foursome	0.5 fl oz/1000 ft <sup>2</sup>	Late			
26	Torque	0.9 fl oz/1000 ft <sup>2</sup>	Late	0.0a	7.0d	0.380abc
	26/36	4.0 fl oz/1000 ft <sup>2</sup>	Late			
27	Torque	0.9 fl oz/1000 ft <sup>2</sup>	Late	0.0a	7.8ab	0.385abc
	Turfcide	8.0 fl oz/1000 ft <sup>2</sup>	Late			
	Foursome	0.5 fl oz/1000 ft <sup>2</sup>	Late			
28	Chipco 26GT	4.0 fl oz/1000 ft <sup>2</sup>	Late	0.0a	7.0d	0.383abc
29	Daconil Weatherstik	5.5 fl oz/1000 ft <sup>2</sup>	Late	0.0a	7.0d	0.363bc
30	Chipco 26GT	4.0 fl oz/1000 ft <sup>2</sup>	Late	0.5a	7.8ab	0.380abc
	Turfcide	8.0 fl oz/1000 ft <sup>2</sup>	Late			
	Foursome	0.5 fl oz/1000 ft <sup>2</sup>	Late			
31	Daconil Ultrex	5.5 oz/1000 ft <sup>2</sup>	Late	0.0a	8.0a	0.378abc
	Turfcide	8.0 fl oz/1000 ft <sup>2</sup>	Late			
	Foursome	0.5 fl oz/1000 ft <sup>2</sup>	Late			
32	Chipco 26GT	4.0 fl oz/1000 ft <sup>2</sup>	Late	0.0a	8.0a	0.375abc
	Daconil Ultrex	5.5 oz/1000 ft <sup>2</sup>	Late			
	Turfcide	8.0 fl oz/1000 ft <sup>2</sup>	Late			
	Foursome	0.5 fl oz/1000 ft <sup>2</sup>	Late			
33	Daconil Weatherstik	2.75 fl oz/1000 ft <sup>2</sup>	Late	0.0a	8.0a	0.370bc
	Banner MAXX II	1.0 fl oz/1000 ft <sup>2</sup>	Late			
	Turfcide	8.0 fl oz/1000 ft <sup>2</sup>	Late			
	Foursome	0.5 fl oz/1000 ft <sup>2</sup>	Late			
34	Daconil Weatherstik	2.75 fl oz/1000 ft <sup>2</sup>	Late	0.0a	7.8ab	0.360c
	Banner MAXX II	1.5 fl oz/1000 ft <sup>2</sup>	Late			
	Turfcide	8.0 fl oz/1000 ft <sup>2</sup>	Late			
	Foursome	0.5 fl oz/1000 ft <sup>2</sup>	Late			
35	Daconil Weatherstik	2.75 fl oz/1000 ft <sup>2</sup>	Late	0.0a	8.0a	0.373bc
	Banner MAXX II	2.0 fl oz/1000 ft <sup>2</sup>	Late			
	Turfcide	8.0 fl oz/1000 ft <sup>2</sup>	Late			
	Foursome	0.5 fl oz/1000 ft <sup>2</sup>	Late			

<sup>a</sup>Early fungicide treatments applied on Oct. 27<sup>th</sup>, 2014 and late treatments applied on Dec. 2<sup>nd</sup>, 2014.

<sup>b</sup>Mean percent diseased area assessed on March 16<sup>th</sup>, 2015.

<sup>c</sup>Quality was visually assessed where 1 = dead, 6 = acceptable, 9 = dark green.

<sup>d</sup>Color was assessed using an HCS 100 NDVI GreenSeeker from Trimble Navigation Ltd®.

**Table 1 (cont): Mean snow mold severity, turf quality, and turf color assessed on March 16<sup>th</sup>, 2015 at Nakoma Golf Club in Madison, WI.**

	Treatment	Rate	Application Timing <sup>a</sup>	Disease Severity <sup>b</sup>	Turf Quality <sup>c</sup>	Turf Color <sup>d</sup>
36	Daconil Weatherstik	4.125 fl oz/1000 ft2	Late	0.0a	7.8ab	0.373bc
	Banner MAXX II	1.0 fl oz/1000 ft2	Late			
	Turfcide	8.0 fl oz/1000 ft2	Late			
	Foursome	0.5 fl oz/1000 ft2	Late			
37	Daconil Weatherstik	4.125 fl oz/1000 ft2	Late	0.0a	8.0a	0.358c
	Banner MAXX II	1.5 fl oz/1000 ft2	Late			
	Turfcide	8.0 fl oz/1000 ft2	Late			
	Foursome	0.5 fl oz/1000 ft2	Late			
38	Daconil Weatherstik	4.125 fl oz/1000 ft2	Late	0.0a	8.0a	0.368bc
	Banner MAXX II	2.0 fl oz/1000 ft2	Late			
	Turfcide	8.0 fl oz/1000 ft2	Late			
	Foursome	0.5 fl oz/1000 ft2	Late			
39	Daconil Weatherstik	5.5 fl oz/1000 ft2	Late	0.0a	8.0a	0.358c
	Banner MAXX II	1.0 fl oz/1000 ft2	Late			
	Turfcide	8.0 fl oz/1000 ft2	Late			
	Foursome	0.5 fl oz/1000 ft2	Late			
40	Daconil Weatherstik	5.5 fl oz/1000 ft2	Late	0.0a	8.0a	0.410abc
	Banner MAXX II	1.5 fl oz/1000 ft2	Late			
	Turfcide	8.0 fl oz/1000 ft2	Late			
	Foursome	0.5 fl oz/1000 ft2	Late			
41	Daconil Weatherstik	5.5 fl oz/1000 ft2	Late	0.0a	7.8ab	0.363bc
	Banner MAXX II	2.0 fl oz/1000 ft2	Late			
	Turfcide	8.0 fl oz/1000 ft2	Late			
	Foursome	0.5 fl oz/1000 ft2	Late			
42	Instrata	9.3 fl oz/1000 ft2	Late	0.0a	7.5bc	0.373bc
	PAR Plus	0.37 fl oz/1000 ft2	Late			
43	Concert II	8.5 fl oz/1000 ft2	Late	0.0a	8.0a	0.400abc
	Banner MAXX II	1.0 fl oz/1000 ft2	Late			
44	PAR	0.37 fl oz/1000 ft2	Late	0.0a	8.0a	0.388abc
	Concert II	8.5 fl oz/1000 ft2	Late			
	Banner MAXX II	1.0 fl oz/1000 ft2	Late			
45	PAR plus	0.37 fl oz/1000 ft2	Late	0.0a	8.0a	0.398abc
	A13705	4.5 fl oz/1000 ft2	Late			
46	PAR	0.37 fl oz/1000 ft2	Late	0.0a	8.0a	0.365bc
	A13705	2.6 fl oz/1000 ft2	Late			
47	Daconil Weatherstik	5.5 fl oz/1000 ft2	Late	0.0a	8.0a	0.378abc
	PAR	0.37 fl oz/1000 ft2	Late			
48	A13705	4.5 fl oz/1000 ft2	Late	0.0a	8.0a	0.410abc
	Secure	0.5 fl oz/1000 ft2	Late			
49	PAR	0.37 fl oz/1000 ft2	Late	0.0a	7.8ab	0.410abc
	A13705	4.5 fl oz/1000 ft2	Late			
	Concert II	4.5 fl oz/1000 ft2	Late			
	PAR	0.37 fl oz/1000 ft2	Late			

<sup>a</sup>Early fungicide treatments applied on Oct. 27<sup>th</sup>, 2014 and late treatments applied on Dec. 2<sup>nd</sup>, 2014.

<sup>b</sup>Mean percent diseased area assessed on March 16<sup>th</sup>, 2015.

<sup>c</sup>Quality was visually assessed where 1 = dead, 6 = acceptable, 9 = dark green.

<sup>d</sup>Color was assessed using an HCS 100 NDVI GreenSeeker from Trimble Navigation Ltd®.

**Table 1 (cont): Mean snow mold severity, turf quality, and turf color assessed on March 16<sup>th</sup>, 2015 at Nakoma Golf Club in Madison, WI.**

	Treatment	Rate	Application Timing <sup>a</sup>	Disease Severity <sup>b</sup>	Turf Quality <sup>c</sup>	Turf Color <sup>d</sup>
50	A13705	4.5 fl oz/1000 ft <sup>2</sup>	Late	0.0a	8.0a	0.400abc
	Primo MAXX	0.2 fl oz/1000 ft <sup>2</sup>	Late			
	PAR	0.37 fl oz/1000 ft <sup>2</sup>	Late			
51	Concert II	8.5 fl oz/1000 ft <sup>2</sup>	Late	0.0a	8.0a	0.380abc
	Banner MAXX II	1.0 fl oz/1000 ft <sup>2</sup>	Late			
	Primo MAXX	0.2 fl oz/1000 ft <sup>2</sup>	Late			
	PAR	0.37 fl oz/1000 ft <sup>2</sup>	Late			
52	Instrata	9.3 fl oz/1000 ft <sup>2</sup>	Late	0.0a	8.0a	0.365bc
	Primo MAXX	0.2 fl oz/1000 ft <sup>2</sup>	Late			
	PAR	0.37 fl oz/1000 ft <sup>2</sup>	Late			
53	Interface	4.0 fl oz/1000 ft <sup>2</sup>	Late	0.0a	7.8ab	0.403abc
	Triton FLO	0.55 fl oz/1000 ft <sup>2</sup>	Late			
54	Instrata	11.0 fl oz/1000 ft <sup>2</sup>	Late	0.0a	7.0d	0.383abc
55	Instrata	10.0 fl oz/1000 ft <sup>2</sup>	Early/Late	0.0a	7.0d	0.358c
56	Instrata	7.0 fl oz/1000 ft <sup>2</sup>	Late	0.0a	7.0d	0.353c
57	Disarm C	5.9 fl oz/1000 ft <sup>2</sup>	Late	0.0a	7.0d	0.373bc
	Chipco 26GT	4.0 fl oz/1000 ft <sup>2</sup>	Late			
58	Disarm T	0.89 fl oz/1000 ft <sup>2</sup>	Late	0.0a	7.0d	0.380abc
59	Disarm 480 SC	0.36 fl oz/1000 ft <sup>2</sup>	Late	0.0a	7.0d	0.360c
	Daconil Weatherstik	5.5 fl oz/1000 ft <sup>2</sup>	Late			
	Chipco 26GT	4.0 fl oz/1000 ft <sup>2</sup>	Late			
60	Tourney	0.37 oz/1000 ft <sup>2</sup>	Late	0.0a	7.0d	0.375abc
	26/36	4.0 fl oz/1000 ft <sup>2</sup>	Late			
61	Tourney	0.37 oz/1000 ft <sup>2</sup>	Late	0.0a	7.0d	0.363bc
	26/36	4.0 fl oz/1000 ft <sup>2</sup>	Late			
	Spectro	3.5 oz/1000 ft <sup>2</sup>	Late			
62	Torque	0.75 fl oz/1000 ft <sup>2</sup>	Late	0.0a	7.3cd	0.380abc
	26/36	4.0 fl oz/1000 ft <sup>2</sup>	Late			
63	Torque	0.75 fl oz/1000 ft <sup>2</sup>	Late	0.0a	7.0d	0.390abc
	26/36	4.0 fl oz/1000 ft <sup>2</sup>	Late			
	Spectro	3.5 oz/1000 ft <sup>2</sup>	Late			
64	QP Strobe 50 WG	0.4 oz/1000 ft <sup>2</sup>	Late	0.0a	8.0a	0.410abc
	QP Enclave	4.0 fl oz/1000 ft <sup>2</sup>	Late			
	Foursome	0.5 fl oz/1000 ft <sup>2</sup>	Late			
65	QP Enclave	6.0 fl oz/1000 ft <sup>2</sup>	Late	0.0a	7.5bc	0.390abc
	Foursome	0.5 fl oz/1000 ft <sup>2</sup>	Late			
66	QP Enclave	8.0 fl oz/1000 ft <sup>2</sup>	Late	0.0a	8.0a	0.373bc
	Foursome	0.5 fl oz/1000 ft <sup>2</sup>	Late			
67	QP Strobe 50 WG	0.4 oz/1000 ft <sup>2</sup>	Late	0.0a	7.3cd	0.390abc
	QP Tebuconazole	0.6 fl oz/1000 ft <sup>2</sup>	Late			
	Foursome	0.5 fl oz/1000 ft <sup>2</sup>	Late			
68	A20744	0.5 oz/1000 ft <sup>2</sup>	Late	0.0a	7.5bc	0.385abc
	A17856	1.09 fl oz/1000 ft <sup>2</sup>	Late			
	Secure	0.5 fl oz/1000 ft <sup>2</sup>	Late			
	PAR	0.36 fl oz/1000 ft <sup>2</sup>	Late			

<sup>a</sup>Early fungicide treatments applied on Oct. 27<sup>th</sup>, 2014 and late treatments applied on Dec. 2<sup>nd</sup>, 2014.

<sup>b</sup>Mean percent diseased area assessed on March 16<sup>th</sup>, 2015.

<sup>c</sup>Quality was visually assessed where 1 = dead, 6 = acceptable, 9 = dark green.

<sup>d</sup>Color was assessed using an HCS 100 NDVI GreenSeeker from Trimble Navigation Ltd®.

**Table 1 (cont): Mean snow mold severity, turf quality, and turf color assessed on March 16<sup>th</sup>, 2015 at Nakoma Golf Club in Madison, WI.**

	Treatment	Rate	Application Timing <sup>a</sup>	Disease Severity <sup>b</sup>	Turf Quality <sup>c</sup>	Turf Color <sup>d</sup>
69	A20744	0.5 oz/1000 ft <sup>2</sup>	Late			
	A17856	1.09 fl oz/1000 ft <sup>2</sup>	Late			
	Banner MAXX II	2.0 fl oz/1000 ft <sup>2</sup>	Late	0.0a	7.5bc	0.378abc
	PAR	0.36 fl oz/1000 ft <sup>2</sup>	Late			
70	Secure	0.5 fl oz/1000 ft <sup>2</sup>	Late			
	A17856	1.09 fl oz/1000 ft <sup>2</sup>	Late	0.0a	8.0a	0.380abc
	A19188	1.0 fl oz/1000 ft <sup>2</sup>	Late			
	PAR	0.36 fl oz/1000 ft <sup>2</sup>	Late			
71	A17856	1.09 fl oz/1000 ft <sup>2</sup>	Late			
	A19188	1.0 fl oz/1000 ft <sup>2</sup>	Late	0.0a	8.0a	0.390abc
	Banner MAXX II	2.0 fl oz/1000 ft <sup>2</sup>	Late			
	PAR	0.36 fl oz/1000 ft <sup>2</sup>	Late			
72	A18126	0.164 oz/1000 ft <sup>2</sup>	Late			
	A17856	1.09 fl oz/1000 ft <sup>2</sup>	Late	0.0a	7.5bc	0.388abc
	Secure	0.5 fl oz/1000 ft <sup>2</sup>	Late			
	PAR	0.36 fl oz/1000 ft <sup>2</sup>	Late			
73	A18126	0.164 oz/1000 ft <sup>2</sup>	Late			
	A17856	1.09 fl oz/1000 ft <sup>2</sup>	Late	0.0a	7.8ab	0.393abc
	Banner MAXX II	2.0 fl oz/1000 ft <sup>2</sup>	Late			
	PAR	0.36 fl oz/1000 ft <sup>2</sup>	Late			
74	A17856	1.88 fl oz/1000 ft <sup>2</sup>	Late			
	A19188	1.0 fl oz/1000 ft <sup>2</sup>	Late	0.0a	8.0a	0.383abc
	PAR	0.36 fl oz/1000 ft <sup>2</sup>	Late			
75	A17856	1.41 fl oz/1000 ft <sup>2</sup>	Late			
	A19188	0.75 fl oz/1000 ft <sup>2</sup>	Late	0.0a	7.3cd	0.375abc
	PAR	0.36 fl oz/1000 ft <sup>2</sup>	Late			
76	Instrata	9.3 fl oz/1000 ft <sup>2</sup>	Late	0.0a	8.0a	0.378abc
	PAR	0.36 fl oz/1000 ft <sup>2</sup>	Late			
77	Interface	6.0 fl oz/1000 ft <sup>2</sup>	Late	0.0a	8.0a	0.373bc
	Triton FLO	0.85 fl oz/1000 ft <sup>2</sup>	Late			
78	A13705	2.6 fl oz/1000 ft <sup>2</sup>	Late	0.0a	8.0a	0.378abc
	PAR	0.36 fl oz/1000 ft <sup>2</sup>	Late			
79	A20744	0.5 oz/1000 ft <sup>2</sup>	Late			
	A13705	2.6 fl oz/1000 ft <sup>2</sup>	Late	0.0a	8.0a	0.405abc
	PAR	0.36 fl oz/1000 ft <sup>2</sup>	Late			
80	A17856	1.09 fl oz/1000 ft <sup>2</sup>	Late			
	A13705	2.6 fl oz/1000 ft <sup>2</sup>	Late	0.0a	7.8ab	0.373bc
	PAR	0.36 fl oz/1000 ft <sup>2</sup>	Late			
81	Secure	0.5 fl oz/1000 ft <sup>2</sup>	Late			
	A13705	2.6 fl oz/1000 ft <sup>2</sup>	Late	0.0a	7.8ab	0.390abc
	PAR	0.36 fl oz/1000 ft <sup>2</sup>	Late			
82	A13705	2.6 fl oz/1000 ft <sup>2</sup>	Late			
	Banner MAXX II	2.0 fl oz/1000 ft <sup>2</sup>	Late	0.0a	8.0a	0.395abc
83	PAR	0.36 fl oz/1000 ft <sup>2</sup>	Late			
	A13705	2.6 fl oz/1000 ft <sup>2</sup>	Late			
	A19188	1.0 fl oz/1000 ft <sup>2</sup>	Late	0.0a	8.0a	0.375abc
	PAR	0.36 fl oz/1000 ft <sup>2</sup>	Late			

<sup>a</sup>Early fungicide treatments applied on Oct. 27<sup>th</sup>, 2014 and late treatments applied on Dec. 2<sup>nd</sup>, 2014.

<sup>b</sup>Mean percent diseased area assessed on March 16<sup>th</sup>, 2015.

<sup>c</sup>Quality was visually assessed where 1 = dead, 6 = acceptable, 9 = dark green.

<sup>d</sup>Color was assessed using an HCS 100 NDVI GreenSeeker from Trimble Navigation Ltd®.

**Table 1 (cont): Mean snow mold severity, turf quality, and turf color assessed on March 16<sup>th</sup>, 2015 at Nakoma Golf Club in Madison, WI.**

	Treatment	Rate	Application Timing <sup>a</sup>	Disease Severity <sup>b</sup>	Turf Quality <sup>c</sup>	Turf Color <sup>d</sup>
84	A18126	0.164 oz/1000 ft <sup>2</sup>	Late	0.0a	7.0d	0.388abc
	A13705	2.6 fl oz/1000 ft <sup>2</sup>	Late			
	PAR	0.36 fl oz/1000 ft <sup>2</sup>	Late			
85	Concert II	4.5 fl oz/1000 ft <sup>2</sup>	Late	0.0a	7.0d	0.355c
	A13705	2.6 fl oz/1000 ft <sup>2</sup>	Late			
	PAR	0.36 fl oz/1000 ft <sup>2</sup>	Late			
86	Lexicon	0.34 fl oz/1000 ft <sup>2</sup>	Late	0.0a	7.0d	0.393abc
	Trinity	1.5 fl oz/1000 ft <sup>2</sup>	Late			
	Daconil Ultrex	5.0 oz/1000 ft <sup>2</sup>	Late			
87	Honor	1.1 oz/1000 ft <sup>2</sup>	Late	0.0a	7.0d	0.353c
	Trinity	1.5 fl oz/1000 ft <sup>2</sup>	Late			
	Daconil Ultrex	5.0 oz/1000 ft <sup>2</sup>	Late			
88	Lexicon	0.34 fl oz/1000 ft <sup>2</sup>	Late	0.0a	7.0d	0.390abc
	Trinity	1.5 fl oz/1000 ft <sup>2</sup>	Late			
	Curalan	1.0 oz/1000 ft <sup>2</sup>	Late			
89	Interface	4.0 fl oz/1000 ft <sup>2</sup>	Late	0.0a	7.5bc	0.415abc
90	Interface	6.0 fl oz/1000 ft <sup>2</sup>	Late	0.0a	7.8ab	0.363bc
91	Interface	3.0 fl oz/1000 ft <sup>2</sup>	Late	0.0a	7.5bc	0.378abc
	Mirage	1.5 fl oz/1000 ft <sup>2</sup>	Late			
92	Interface	4.0 fl oz/1000 ft <sup>2</sup>	Late	0.0a	7.8ab	0.395abc
	Mirage	1.5 fl oz/1000 ft <sup>2</sup>	Late			
93	SP102000030109	4.0 fl oz/1000 ft <sup>2</sup>	Late	0.0a	7.0d	0.383abc
94	SP102000030109	5.0 fl oz/1000 ft <sup>2</sup>	Late	0.0a	7.0d	0.398abc
95	SP102000030109	6.0 fl oz/1000 ft <sup>2</sup>	Late	0.0a	7.0d	0.395abc
96	SP102000030109	8.0 fl oz/1000 ft <sup>2</sup>	Late	0.0a	7.0d	0.385abc
97	SP102000030109	5.0 fl oz/1000 ft <sup>2</sup>	Late	0.0a	7.0d	0.385abc
	Tartan	1.0 fl oz/1000 ft <sup>2</sup>	Late			
98	SP102000028297	3.0 fl oz/1000 ft <sup>2</sup>	Late	0.0a	7.3cd	0.388abc
99	SP102000028297	4.0 fl oz/1000 ft <sup>2</sup>	Late	0.0a	7.3cd	0.390abc
100	SP102000028297	4.0 fl oz/1000 ft <sup>2</sup>	Late	0.0a	7.3cd	0.408abc
	Tartan	1.0 fl oz/1000 ft <sup>2</sup>	Late			
101	Tartan	1.0 fl oz/1000 ft <sup>2</sup>	Late	0.0a	7.0d	0.395abc
102	Tartan	2.0 fl oz/1000 ft <sup>2</sup>	Late	0.0a	7.0d	0.378abc
103	Tartan	1.0 fl oz/1000 ft <sup>2</sup>	Late	0.0a	7.5bc	0.403abc
	Interface	3.0 fl oz/1000 ft <sup>2</sup>	Late			

<sup>a</sup>Early fungicide treatments applied on Oct. 27<sup>th</sup>, 2014 and late treatments applied on Dec. 2<sup>nd</sup>, 2014.

<sup>b</sup>Mean percent diseased area assessed on March 16<sup>th</sup>, 2015.

<sup>c</sup>Quality was visually assessed where 1 = dead, 6 = acceptable, 9 = dark green.

<sup>d</sup>Color was assessed using an HCS 100 NDVI GreenSeeker from Trimble Navigation Ltd®.