1999-2000 Snow Mold Control Carrier Volume Evaluation
Sentryworld (Pennlinks Nursery)

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INTRODUCTION

To evaluate chemicals for the control of *Typhula* blight and pink snow mold.

EXPERIMENTAL METHODS

This evaluation was conducted at Sentryworld, Stevens Point, WI on creeping bentgrass maintained under golf course tee management conditions, at 0.375-inch cutting height. Individual plots, 3 ft x 6 ft, were arranged in a split block design with four replications. The experimental area was not inoculated; all disease development was of natural occurrence. Treatments were applied with a CO_2-powered boom sprayer, using XR Teejet 8003 VS, XR Teejet 8005 VS, and XR Teejet 8008 VS nozzles, at 30 psi, in water equivalent to 1 gal, 2 gal, and 4 gal per 1000 sq ft respectively. Applications were made on October 19, 1999. Percent snow mold damage was evaluated on February 29, 2000 and March 24, 2000. Data obtained was subjected to analysis of variance and LSD was used to determine significant differences between treatment means.

DISCUSSION

Based on the results from this study there is no statistical difference between volumes for most treatments. Bayleton, Turfcide and Prostar all showed trends of improved control with higher volumes. The Chipco 26 GT + Daconil WeatherStik treatment had erratic results with the 2-Gallon treatment having more damage then the other two volumes. In comparison to 1999's results, these seem to be similar and would emphasize the need for higher volumes with certain products to improve efficacy.

Table 1. Snow Mold Carrier Volume Study Damage Ratings

Trt#	Treatment	Form.	Rate	Rate Unit	Volume	% Damage 2/29/00 Avg.		% Damage 3/24/00 Avg.	
1	Bayleton	25 WG	4.0	Oz/1000 Ft2	1 Gal	11.3	G-J	7.5	H-K
2	Bayleton	25 WG	4.0	Oz/1000 Ft2	2 Gal	3.8	IJ	3.8	JK
3	Bayleton	25 WG	4.0	Oz/1000 Ft2	4 Gal	1.3	J	1.3	K
4	Turfcide 400	4 F	12.0	Fl Oz/1000 Ft2	1 Gal	33.8	CDE	22.5	DEF
5	Turfcide 400	4 F	12.0	Fl Oz/1000 Ft2	2 Gal	32.5	C-F	13.8	F-J
6	Turfcide 400	4 F	12.0	Fl Oz/1000 Ft2	4 Gal	23.8	D-H	16.3	E-H
7	Prostar	50 WP	6.0	Oz/1000 Ft2	1 Gal	6.3	HIJ	5.0	IJK
8	Prostar	50 WP	6.0	Oz/1000 Ft2	2 Gal	3.8	IJ	3.8	JK
9	Prostar	50 WP	6.0	Oz/1000 Ft2	4 Gal	2.5	J	1.3	K
10	Daconil WS	6 F	8.0	Fl Oz/1000 Ft2	1 Gal	25.0	D-H	20.0	D-G
11	Daconil WS	6 F	8.0	Fl Oz/1000 Ft2	2 Gal	17.5	E-J	13.8	F-J
12	Daconil WS	6 F	8.0	Fl Oz/1000 Ft2	4 Gal	23.8	D-H	15.0	E-I
13	Chipco 26GT	2 F	6.0	Fl Oz/1000 Ft2	1 Gal	35.0	CDE	27.5	BCD
14	Chipco 26GT	2 F	6.0	Fl Oz/1000 Ft2	2 Gal	47.5	BC	35.0	BC
15	Chipco 26GT	2 F	6.0	Fl Oz/1000 Ft2	4 Gal	45.0	BC	28.8	BCD
16	Chipco 26GT	2 F	4.0	Fl Oz/1000 Ft2	1 Gal	31.3	C-F	13.8	F-J
	Daconil WS	6 F	5.5	Fl Oz/1000 Ft2					
	Turfcide 400	4 F	4.0	Fl Oz/1000 Ft2					
17	Chipco 26GT	2 F	4.0	Fl Oz/1000 Ft2	2 Gal	28.8	C-G	10.0	G-K
	Daconil WS	6 F	5.5	Fl Oz/1000 Ft2					
	Turfcide 400	4 F	4.0	Fl Oz/1000 Ft2					
18	Chipco 26GT	2 F	4.0	Fl Oz/1000 Ft2	4 Gal	30.0	C-G	10.0	G-K
	Daconil WS	6 F	5.5	Fl Oz/1000 Ft2					
	Turfcide 400	4 F	4.0	Fl Oz/1000 Ft2					
19	Chipco 26GT	2 F	4.0	Fl Oz/1000 Ft2	1 Gal	13.8	F-J	7.5	H-K
	Daconil WS	6 F	5.5	Fl Oz/1000 Ft2					
20	Chipco 26GT	2 F	4.0	Fl Oz/1000 Ft2	2 Gal	41.3	CD	25.0	CDE
	Daconil WS	6 F	5.5	Fl Oz/1000 Ft2					
21	Chipco 26GT	2 F	4.0	Fl Oz/1000 Ft2	4 Gal	22.5	D-I	16.3	E-H
	Daconil WS	6 F	5.5	Fl Oz/1000 Ft2					
22	Prostar	50 WP	4.0	Oz/1000 Ft2	1 Gal	2.5	J	1.3	K
	Turfcide 400	4 F	8.0	Fl Oz/1000 Ft2					
23	Prostar	50 WP	4.0	Oz/1000 Ft2	2 Gal	1.3	J	1.3	K
	Turfcide 400	4 F	8.0	Fl Oz/1000 Ft2					
24	Prostar	50 WP	4.0	Oz/1000 Ft2	4 Gal	2.5	J	1.3	K
	Turfcide 400	4 F	8.0	Fl Oz/1000 Ft2					
25	Bayleton	25 WG	3.0	Oz/1000 Ft2	1 Gal	3.8	IJ	3.8	JK
	Turfcide 400	4 F	8.0	Fl Oz/1000 Ft2					
26	Bayleton	25 WG	3.0	Oz/1000 Ft2	2 Gal	1.3	J	1.3	K
	Turfcide 400	4 F	8.0	Fl Oz/1000 Ft2					
27	Bayleton	25 WG	3.0	Oz/1000 Ft2	4 Gal	2.5	J	1.3	K
	Turfcide 400	4 F	8.0	Fl Oz/1000 Ft2					
28	Check				1 Gal	61.3	AB	37.5	B
29	Check				2 Gal	72.5	A	50.0	A
30	Check				4 Gal	71.3	A	48.8	A
	LSD (P =.05)					18.89		10.91	
	CV					57.33		52.17	

Means followed by the same letter do not significantly differ (P = 0.05, LSD)