

1982-83 TURFGRASS DISEASE MANAGEMENT REPORT

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Snow Mold Fungicide Trials - 1982-83

Establishment:

The 1982-83 snow mold fungicide trials were conducted at the Boyne Highlands Resort on Penncross creeping bentgrass mowed at 1/2". Treatments were applied to 6' x 9' plots in three replications of a random block design on October 30, 1982. The wetttable powders and flowables were applied with a small-plot CO<sub>2</sub> sprayer at a volume of 40 gal/acre. The granular applications were pre-weighed and applied by hand. The plot ratings were made on March 14, 1983.

TABLE 1. Boyne Highlands Snow Mold Study - 1982-83.  
 Percent area infected with all snow molds (Typhula incaranta, Typhula ishikariensis, and Fusarium nivale). Rating taken 3/15/83.

Treatment	Rate/1000 ft <sup>2</sup>	Repetition			AVE	DMR
		I	II	III		
Scotts F + F II	2 X	0	0	0	0	A
Mallin. Exp. Gr.	10 lbs	0	2	0	.7	AB
Cal-Color	3 oz.	0	1	2	1	AB
Rizolex	2 gm. ai./m <sup>2</sup>	0	2	1	1	AB
Calo-Gran	10 lbs	2	2	1	1.7	AB
Rizolex	1 gm ai./m <sup>2</sup>	2	2	2	2	ABC
Daconil 2787 FL	16 fl. oz.	2	3	5	3.3	ABC
CGA-64250	8 fl. oz.	5	5	3	4.3	ABC
Mallin. Exp. Gr.	6 lbs	5	5	5	5	ABC
Rizolex	.5 g ai./m <sup>2</sup>	2	10	5	5.7	ABC
Scotts F + F II	1 X	5	10	10	8.3	ABC
Calo-Gran	6 lbs	5	5	15	8.3	ABC
Daconil 2787	8 fl. oz.	5	25	20	16.7	ABCD
CGA-64250	4 fl. oz.	5	10	35	16.7	ABCD
Daconil 2787 FL	6 fl. oz.	30	15	15	21.7	BCD
Bayleton	8 oz.	35	10	25	23.3	CDE
MF 654	6 oz.	35	40	25	33.3	DEF
MF 654	3 oz.	45	25	30	33.3	DEF
BTS 41661	1.5 oz. ai.	30	35	40	35	DEFG
CGA-64250	2 fl. oz.	34	25	45	35.7	DEFG
BTS 41661	3 oz. ai.	30	40	40	35.7	DEFG
Bayleton	4 oz.	27	25	60	37.3	DEFG
Prochloraz	1.5 oz. ai.	50	60	20	43.3	EFGH
F-9648R	2 X	60	40	40	46.7	FGH
Bayleton Gr.	6.25 lbs	45	75	25	48.3	FGH
Check	-	45	65	50	53.3	FGHI
BAS 4360F	.62 oz. ai.	50	45	70	55	GHI
F-9648R	1 X	45	60	75	60	HIJ
BAS 43603F	.28 oz. ai.	75	85	50	70	IJ
BAS 43603F	.21 oz. ai.	70	75	75	73.3	J

\* Treatments followed by the same letter are not significantly different at the 5% level.

Table 2. Boyne Highlands Snow Mold Study - 1982-83. Percent area infected with *Fusarium nivale*. Ratings taken 3/15/83.

Treatment	Rate/1000 ft <sup>2</sup>	Repetition				DMR (5%)
		I	II	III	AVE	
Scotts F + F II	2X	0	0	0	0	A
Mallin. Exp. Gr.	10 lbs.	0	0	0	0	A
F-9648R	2 X	0	0	0	0	A
F-9648R	1 X	0	0	0	0	A
Rizolex	2 gm ai./m <sup>2</sup>	0	0	0	0	A
Scotts F + F II	1 X	0	0	2	.7	AB
CGA-64250	8 fl. oz.	0	1	1	.7	AB
Calo-Clor	3 oz.	0	1	1	.7	AB
Prochloraz	1.5 oz. ai.	0	1	2	1	AB
Rizolex	1 gm ai./m <sup>2</sup>	2	1	2	1.7	AB
Calo-Gran	10 lbs	2	2	1	1.7	AB
Daconil 2787 FL	16 fl. oz.	2	3	1	2	AB
CGA-64250	4 fl. oz.	0	5	1	2	AB
Mallin. Exp. Gr.	6 lbs.	5	0	4	3	ABC
Daconil 2787 FL	8 fl. oz.	5	2	5	4	ABC
BAS 43603F	.621 oz. ai.	2	5	5	4	ABC
Calo-Gran	6 lbs.	5	2.5	5	4.2	ABC
CGA-64250	2 fl. oz.	10	0	5	5	ABC
Rizolex	.5 gm ai./m <sup>2</sup>	2	8	5	5	ABC
BAS 43603F	.21 oz. ai.	10	0	5	5	ABC
Bayleton	8 oz.	5	10	5	6.7	BCD
Daconil 2787 FL	6 fl. oz.	10	5	5	6.7	BCD
Bayleton	4 oz.	10	5	10	8.3	CDE
BTS 41661	1.5 oz. ai.	10	5	10	8.3	CDE
BAS 43603F	.28 oz. ai.	15	5	5	8.3	CDE
BTS 41661	3 oz. ai.	10	20	5	11.7	DEF
MF 654	6 oz.	20	10	10	13.3	EF
MF 654	3 oz.	15	10	20	15	F
Bayleton	6.25 lbs.	20	10	20	16.7	F
Check	-	15	20	15	16.7	F

\* Treatment followed by the same letter are not significantly different at the 5% level.