MICHIGAN STATE UNIVERSITY TURFGRASS DISEASE MANAGEMENT REPORT FOR 1982

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Snow Mold Fungicide Trials - 1981-82

The 1981-82 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, 1981. The wettable powders and flowables were applied with a small-plot CO_2 sprayer at a volume of 40 gal/acre. The granular applications were pre-weighed and applied by hand. The plot ratings were made on April 29, 1982. (Tables 1,2 and 3)

Helminthosporium (Melting-Out) Fungicide Studies - 1982

The 1982 Helminthosporium melting-out (Helminthosporium vagans) fungicide study was conducted at the Hancock Turfgrass Research Center on the Michigan State University campus on Kenblue Kentucky bluegrass maintained at 1 1/2" height of cut. Fungicides were applied at various intervals as indicated in the data chart with all treatments being applied for the first time on May 10. When fungicide treatments were suspended, the 10 day treatments had been applied 5 times, the 14 day treatments had been applied 4 times, and the 28 day treatments had been applied twice. All treatments were applied with a CO_2 small-plot sprayer at a volume of 40 gal/acre.

The study was set up in a randomized block design consisting of three replications/treatment with a plot size of 3' x 6'. The plots were rated for disease and phytotoxic effects on June 28, 1982. (Table 4)

Table 4

Helminthosporium Melting Out Fungicide Study - 1982
Hancock Turfgrass Research Center, MSU

Rating 1(no disease) - 9(90% infection or greater)
Rating taken June 28, 1982

Treatment	Rate/1000 ft + Interval	Repetition				
		I	II	III	AVE	DMR
CGA-64250 (1.125 EC)	4 fl. oz. (14 day sch.)	1*	1*	1*	1	A
CGA-64250 (1.125 EC)	8 fl. oz. (14 day sch.)	1*	1*	1**	1	A
CGA-64250 (1.125 EC)	16 fl. oz. (21 day sch.)	1**	1**	1**	1	A
CGA-64250 (3.6 EC)	8 fl. oz. (14 day sch.)	1**	1***	1***	1	A
BTS 41661[1]	3 oz. ai. (14 day sch.)	1	1	1	1	A
Rizolex	2 gm. ai./m^2 (14 day sch.)	1	1	2	1.3	AB
CGA-64250 (3.6 EC)	4 fl oz. (14 day sch.)	1**	1**	2**	1.3	AB
F-9648R	1X (14 day sch.)	1	2	2	1.7	ABC
F-9648R	2X (14 day sch.)	1	2	2	1.7	ABC
Rizolex	1 gm. ai./m^2 (14 day sch.)	1	2	2	1.7	ABC
Daconil 2787 FL	6 fl. oz. (10 day sch.)	2	1	2	1.7	ABC
CGA-64250 (1.125 EC)	8 fl. oz. (21 day sch.)	1*	1*	3*	1.7	ABC
CGA-64250 (3.6 EC)	2 fl. oz. (14 day sch.)	1	2*	2*	1.7	ABC
Dyrene	6 oz. (14 day sch.)	1	2	2	1.7	ABC
BTS 41661[1]	1.5 oz. ai. (14 day sch.)	2	1	2	1.7	ABC
Rizolex	.5 gm. ai./m^2 (14 day sch.)	2	3	1	2	ABCD
Daconil 2787 FL	3 fl. oz. (10 day sch.)	1	3	2	2	ABCD
CGA-64250 (1.125 EC)	2 fl. oz. (14 day sch.)	1	3*	2	2	ABCD
CGA-64250 (1.125 EC)	4 fl. oz. (21 day sch.)	2	2*	2*	2	ABCD
Chipco 26019	1.5 oz. (14 day sch.)	2	2	2	2	ABCD
Acti-dione RZ	.55 oz. (Fall + Spring - 14 day sch.)	2	2	2	2	ABCD
Acti-dione RZ	.55 oz. (Spring only - 14 day sch.)	2	2	2	2	ABCD
Daconil 2787 FL	6 fl. oz. (14 day sch.)	2	3	2	2.3	ABCD
Prochloraz[1]	1.5 oz. ai. (14 day sch.)	2	2	3	2.3	ABCD
Vorlan	2 oz. (14 day sch.)	2	3	2	2.3	ABCD
BAS 43603 F	.62 oz. ai. (14 day sch.)	3	2	2	2.3	ABCD
BAS 43603 F	.28 oz. ai. (14 day sch.)	2	4	2	2.7	BCD
Daconil 2787 FL	3 fl. oz. (14 day sch.)	1	4	3	2.7	BCD
Chipco 26019	1.5 oz. (28 day sch.)	5	2	1	2.7	BCD
BAS 43603 F	.21 oz. ai. (14 day sch.)	2	3	4	3	CD
Daconil 2787 FL	2 fl. oz. (10 day sch.)	3	4	3	3.3	DE
Acti-dione RZ	.55 oz. (Fall - 1 app. only)	3	5	2	3.3	DE
Acti-dione RZ	.55 oz. (Spring - 1 app. only)	2	3	5	3.3	DE
Daconil 2787 FL	2 fl. oz. (14 day sch.)	4	4	6	4.7	E
Control	-	6	7	7	6.7	F

* Indicates light phytotoxicity.
** Indicates moderate phytotoxicity.
*** Indicates severe phytotoxicity.

[1]Applied in 2X water rate.

Treatments followed by the same letter are not significantly different from each other at the 5% level.