

Helminthosporium (Melting-Out) Fungicide Studies - 1983  
Hancock Turfgrass Research center, MSU.

Establishment:

The 1983 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 a 1 1/2" height of cut. Fungicides were applied at various intervals as indicated on the data table with all treatments being applied initially on May 4. When fungicide treatments were suspended, the 10 day treatments had been applied 4 times, the 14 day treatments had been applied 3 times, and the 21 day treatments had been applied twice. All treatments were applied preventatively with a CO<sub>2</sub> 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 on June 14.

Table 3. Helminthosporium (Melting-Out) Fungicide studies - 1983.  
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Disease rating: 1 (no disease) - 9 (90% infection or greater).

Treatment	Rate*/1000 ft <sup>2</sup> + Interval	Repetition				
		I	II	III	AVE	DMR
Chipco 26019	1.5 oz. (21 day sch.)	1	1	1	1	A
Vorlan	2 oz. (14 day sch.)	1	1	1	1	A
Vorlan	1 oz. (14 day sch.)	1	1	2	1.3	AB
Dyrene 4F (3X app. vol.)	.5 oz. ai. (14 day sch.)	2	1	3	2	ABC
DSaconil 2787 FL	12 fl. oz. (21 day sch.)	2	3	2	2.3	ABCD
MF 690	3 oz. (14 day sch.)	2	3	2	2.3	ABCD
Dyrene + Bayleton	1 oz. ai. + 1/2 oz. (14 day sch.)	2	2	3	2.3	ABCD
Dyrene 4F (3X appl vol.)	1 oz. ai. (14 day sch.)	2	4	2	2.7	ABCDE
Dyrene 4F (3X appl. vol.)	2 oz. zi. (14 day sch.)	1	4	3	2.7	ABCDE
MF 690	1.5 oz. (14 day sch.)	4	2	2	2.7	ABCDE
Daconil 2787 FL	6 fl. oz. (10 day sch.)	2	3	4	3	ABCDEF
Daconil 2787 FL	6 fl. oz. (14 day sch.)	3	4	2	3	ABCDEF
Daconil 2787 FL	8 fl. oz. (21 day sch.)	2	4	3	3	ABCDEF
Daconil 2787 FL	2 fl. oz. (10 day sch.)	6	2	3	3.7	ABCDEF
Daconil 2787 FL	3 fl. oz. (14 day sch.)	2	4	5	3.7	ABCDEF
Daconil 2787 FL	16 fl. oz. (21 day sch.)	1	7	4	4	BCDEF
Daconil 2787 FL	3 fl. oz. (10 day sch.)	2	5	6	4.3	CDEFGHI
Banner	3 fl. oz. (21 day sch.)	5	3	5	4.3	CDEFGHI
Duosan	3 oz. (14 day sch.)	6	4	3	4.3	CDEFGHI
NC 28410	2 oz. ai. (14 day sch.)	3	8	3	4.7	CDEFGHI
Daconil 2787 FL	1.47 fl. oz. (10 day sch.)	6	6	3	5	DEFGHIJ
BRC 2127	.2 lb ai./A (21 day sch.)	6	3	6	5	DEFGHIJ
Banner	1 fl. oz. (21 day sch.)	4	5	7	5.3	EFGHIJ
CGA-71818	16 gm ai. (21 day sch.)	5	6	4	5.3	EFGHIJ
Banner	2 fl. oz. (21 day sch.)	5	6	6	5.7	FGHIJ
CGA-71818	8 gm. ai. (21 day sch.)	8	3	7	6	GHIJ
BRC 227	.1 lb. ai./A (21 day sch.)	5	6	7	6	GHIJ
NC 28410	4 oz. ai. (14 day sch.)	7	7	6	6.7	HIJ
Check	-	7	7	7	7	IJ
Bayleton T.O.	1/2 oz. (14 day sch.)	8	8	7	7.7	J

\* Rates indicate ounces formulation/1000ft<sup>2</sup> except as noted.

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