

## Anthracnose-Fungicide Study - 1979

The 1979 anthracnose (Colletotrichum graninicola) fungicide study was conducted on the Bay Pointe Golf Club in West Bloomfield, MI, on an irrigated annual bluegrass fairway maintained at a 1/2" height of cut. The plot was laid out in a randomized block design.

The liquid applications were made with a CO<sub>2</sub> small plot sprayer at a volume of 40 gal/acre while the granular formulations were applied with a Scotts 3 ft drop-type spreader. A number of treatments, as indicated on the data chart, were applied on a one-time basis on June 27. These treatments were never re-applied. The rest of the treatments were applied three times, on July 2, July 17 and July 30. Due to lack of significant summer anthracnose pressure, the plot ratings were delayed until September 20 when differences became visible (Table 9).

The warm nights necessary for severe anthracnose outbreaks did not occur in July and August of 1979. A mild anthracnose outbreak did occur in September but the infection was not uniform. Also, the control span of most of the fungicides applied in July had long since passed.

Table 9.

Anthracnose - Fungicide Study  
Bay Pointe Golf Course, Union Lake, MI  
% Area Diseased

Treatment	Rate/1000 ft <sup>2</sup>	Replication				
		I	II	III	AVE	DMR
F. 8178	1 oz	0	0	0	0	A
F. 9178	.25 oz	0	0	0	0	A
F. base	.9 lbs	0	0	0	0	A
AD-TGF + AD-RZ + FeSO <sub>4</sub>	.69 oz + .55 oz + 2 oz	0	0	0	0	A
Bayleton 25 + Dyrene	2 oz + 4 oz	0	0	0	0	A
CGA 64251	4 gm ai	0	0	0	0	A
Dyrene	4 oz	0	4	0	1.3	A
F. 7498	1 oz	5	0	0	1.7	A
F. 9177	.25 oz	0	5	0	1.7	A
Bromosan FL	4 fl oz	0	5	0	1.7	A
Tersan 1991 + Bayleton 50	2 oz + 2 oz	0	5	0	1.7	A
Bayleton 25	4 oz	0	5	0	1.7	A
Fungo 50	1 oz	0	5	0	1.7	A
Tersan 1991	1 oz	5	0	0	1.7	A
Caddy + Bromosan FL	1 oz + 4 fl oz	0	5	0	1.7	A
Bayleton 25 (1 applic. only)	8 oz	10	0	0	3.3	A
F. 7161	1 oz	0	10	0	3.3	A
Cleary 3336 FL	1 fl oz	10	0	0	3.3	A
BFN 8099	2.5 fl oz	10	0	0	3.3	A
Tersan 1991 + Bayleton 50	1 oz + .5 oz	10	0	0	3.3	A
Tersan 1991 + Bayleton 50	1 oz + 1 oz	0	10	0	3.3	A
DPX 4424	1 oz	0	0	10	3.3	A
Daconil 2787 WP	4 oz	10	0	0	3.3	A
AD-TGF + AD-RZ	.34 oz + .55 oz	10	0	0	3.3	A
MF 598	4 oz	5	0	5	3.3	A
Acti-dione TGF	.69 oz	10	5	0	5	A
CGA-64251	8 gm ai	10	0	5	5	A
Acti-dione RZ + FeSO <sub>4</sub>	.55 oz + 2 oz	10	5	2	5.7	A
CGA-64251 (1 applic. only)	20 gm	20	0	0	6.7	A
BFN 8099	6.3 fl oz	10	0	10	6.7	A
DPX 4424	4 oz	10	10	0	6.7	A
Daconil 2787 FL	6 fl oz	20	0	0	6.7	A
Acti-dione TGF + FeSO <sub>4</sub>	.69 oz + 2 oz	15	5	0	6.7	A
Baycor 25	8 oz	0	20	0	6.7	A
DPX 770-2	7 oz	0	20	0	6.7	A
BFN 8099	.63 fl oz	20	5	0	8.3	A
Daconil 2787 FL	3 fl oz	20	5	0	8.3	A
Fungo (1 applic. only)	8 oz	10	20	0	10	A
Maneb/Zineb	6 fl oz	5	5	20	10	A
Caddy	1 fl oz	10	10	10	10	A
Daconil 2787 WP	2 oz	30	5	0	11.7	A
Chip - 26019 (1 appl. only)	8 oz	30	10	0	13.3	AB
Chipco 26019	2 oz	40	0	0	13.3	AB
Acti-dione RZ	.55 oz	20	20	0	13.3	AB
Check	--	30	10	0	13.3	AB
FeSO <sub>4</sub>	2 oz	10	4	30	14.7	AB
DPX 4424	2 oz	20	20	40	26.7	B

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