

## Anthracnose Fungicide Study #2 - 1978

The Anthracnose (Colletotrichum graminicola) fungicide study #2 was conducted on the Burroughs Farms Golf Course, Brighton, Mi., on an irrigated annual bluegrass fairway. The plots were laid out in 3 replications of a randomized - block design in an area that was already suffering heavy damage from the disease.

The liquid fungicides were applied with a CO<sub>2</sub> small-plot sprayer at a volume of 40 gal/acre. The granular formulations were applied with a Scotts drop-type spreader.

Treatments were applied to the plots on August 24 and September 8. The ratings were made on September 20.

Anthracnose - Fungicide Study #2 - 1978  
Burroughs Farms Golf Course, Brighton, Mi  
% area diseased

Treatment	Rate/1000 ft <sup>2</sup>	% anthracnose/plot				(DMR)
		I	II	III	AVE	
FDS Fert. + BRS Fung. 2X	5 lbs	0	2	2	1.3	A
Lesco 2887	2 oz	2	0	5	2.3	A
CGA-64251-EC	4 gm ai	0	2	5	2.3	A
Acti-dione TGF	.69 oz	2	0	5	2.3	A
FDS Fert. + BRS Fung. 1X	5.5 lbs	0	0	10	3.3	A
Lesco 2887	3 oz	5	0	5	3.3	A
FDS Fert. 20-4-12+BRS Fung.	5.5 lbs	2	5	5	4	A
Caddy	1 fl oz	10	0	5	5	AB
BFN 7789	10 fl oz.	15	2	2	6.3	ABC
BFN 8077	5 fl oz.	10	2	10	7.3	ABC
BFN 7789	5 fl oz.	20	2	2	8	ABC
Check	-	10	5	10	8.3	ABC
Cleary 3336 - FL	1 fl oz.	25	0	5	10	ABC
Acti-dione Plus	.69 oz.	5	25	2	10.7	ABC
CGA-64251 (EC)	8 gm ai	2	20	10	10.7	ABC
BFN 8090	5 oz	25	0	10	11.7	ABC
BFN 8077	10 fl oz	25	5	5	11.7	ABC
DPX 4424	1 oz ai	10	25	0	11.7	ABC
Bayleton 50 WP	1 oz ai	10	15	10	11.7	ABC
Rp 26019	1 oz	25	5	2	12.3	ABC
LLSE	1:100 dilution	2	10	25	12.3	ABC
Caddy + Bromosan FL	1 fl oz + 4 fl oz	0	40	2	14	ABC
Rp 26019	.5 oz	40	0	5	15	ABC
BFN 8090	10 oz	15	25	5	15	ABC
Fungo	1 oz	35	5	5	15	ABC
Bromosan WP	3 oz	35	5	5	15	ABC
Bromosan FL	4 fl oz	25	10	10	15	ABC
Daconil 2787-6F	6 fl oz	30	15	5	16.7	ABC
MF 598	4 oz	50	0	0	16.7	ABC
Tersan 1991	1 oz	50	2	0	17.3	ABC
Daconil 2787 WP	4 oz	40	5	10	18.3	ABC
LLSE	1:10 dilution	10	30	30	23.3	ABC
Kromad	4 oz	60	25	0	28.3	ABC
Daconil 2787-500 FL	6 fl oz	40	40	15	31.7	BC
DPX 4424	2 oz ai	25	65	5	31.7	BC
Cleary 3336	1 oz	60	10	30	33.3	C

NOTE: All treatments followed by the same letter are not significantly different at the 5% level.

## Results: Anthracnose Fungicide Studies

The original anthracnose study was conducted at the Dearborn Country Club, Dearborn, Mi. When no disease developed on this site, two new studies were initiated, one at the Bay Pointe Golf Club, West Bloomfield, Mi. and one at Burrough's Farms in Brighton, Mi. Both new plot sites were already suffering severe anthracnose infections. There was initially no recovery in either treated or non-treated plots on both sites. When recovery did occur, it occurred simultaneously in both treated and non-treated plots. Hence, there was no significant difference in disease control between the treated plots and the untreated control.

## Fusarium Blight Study - 1978

The 1978 Fusarium blight (Fusarium roseum) study was conducted on a commercial lawn area at the Vlastic Pickle Corporation building in Farmington, Michigan on irrigated Merion Kentucky bluegrass turf that had previously been suffering from a Fusarium infestation. The plots were 6' x 9' and were replicated four times in a randomized block design. The turf was maintained at a two-inch height of cut.

This study consisted of fungicides, wetting agents and nematicides. All treatments were applied on July 13. Application of both fungicides and wetting agents was accomplished with an Ortho hose jar applicator, while the nematicides were applied with a 3' Scotts drop-type spreader. The entire area was irrigated prior to the applications and all applications were drenched into the root zone.

The ratings were taken on July 27.