

ANTHRACNOSE FUNGICIDE STUDIES - 1985  
 Glen Gary Golf Club, Holland, Ohio

The Glen Gary anthracnose (colletotrichum graminicola) fungicide study was established on a moderately fertilized, irrigated annual bluegrass (Poa annua) fairway. The study was set up in three replications of a random block design with a 6' x 9' plot size. All liquid applications were made with a CO<sub>2</sub> small-plot sprayer at 30 PSI and 48 gal/acre. The area was mowed regularly at 1/2" height of cut.

Initial applications were made preventively on July 3. When the rating was taken on August 28, the 14 day treatments had been applied three times, the 21 day treatments had been applied three times and the 28 day treatments had been applied twice. The exceptions were Prochloraz (6 fl. oz.) and Prochloraz EC (4.5 fl oz) + AD-TGF (.34 oz.) which were applied only once (7/3) because of phytotoxicity.

A second anthracnose study was established at the Burroughs Farms Resort at Brighton, MI, but disease failed to develop in this study.

As the table indicates, disease pressure was light this year. We experienced a very cool summer with few hot and humid nights which are crucial for anthracnose development. Anthracnose damage was generally light throughout the state this year.

GLEN GARY ANTHRACNOSE FUNGICIDE STUDY - 1985

Glen Gary Golf Course, Holland, Ohio  
 Disease rating: percent infection/plot  
 Plots rated: 8/28/85

Treatment	Rate/1000 ft <sup>2</sup>	Interval	Rep1	Rep2	Rep3	Ave.	DMR
S-1555	6 fl oz	21 day	0	0	0	0	a
S-1555	9 fl oz	21 day	0	0	0	0	a
DPX H6573	.25 oz ai.	21 day	0	0	0	0	a
DPX H6573	.5 oz ai.	21 day	0	0	0	0	a
DPX H6573	1 oz ai.	21 day	0	0	0	0	a
DPX 965 + DPX H6573	.5 oz ai.+ .25 oz ai	21 day	0	0	0	0	a
Prochloraz EC + AD-TGF4	.5 fl oz + 0.34 oz	21 day	0**	0**	0**	0	a
HWG 1608	0.25 oz ai.	21 day	0	0	0	0	a
Bayleton +CH 26019	1 oz + 1.5 oz	28 day	0	0	0	0	a
Fungo 50	1 oz	21 day	0	0	0	0	a
BRC 916	2 gm ai.	21 day	0	0	0	0	a
CGA-449	24 gm ai.	21 day	0*	0	0	0	a
Tersan 1991	1 oz	21 day	0	0	0	0	a
Cleary's 3336	1 oz	21 day	0	0	0	0	a
Cleary's 3336	2 oz	21 day	0	0	0	0	a
Lesco 0585	2.5 oz	21 day	0	0	0	0	a
Lesco 0585	4 oz	21 day	0	0	0	0	a
Daconil 2787	6 fl oz	14 day	1	0	0	0.3	a
DPX H6573	.125 oz ai.	21 day	1	0	0	0.3	a

<u>Treatment</u>	<u>Rate/1000 ft<sup>2</sup></u>	<u>Interval</u>	<u>Rep1</u>	<u>Rep2</u>	<u>Rep3</u>	<u>Ave.</u>	<u>DMR</u>
Daconil 2787	3 fl oz	14 day	2	0	0	0.7	a
S-1446	0.7 fl oz	14 day	0	2	0	0.7	a
Prochloraz EC	4.5 fl oz	21 day	2**	0*	0*	0.7	a
KWG 0519	.06 oz ai.	21 day	2	0	0	0.7	a
Bayleton	1 oz	28 day	0	2	0	0.7	a
Duosan	3 oz	21 day	2	0	0	0.7	a
BRC 916	4 gm ai.	21 day	0	2	0	0.7	a
S-1446	1.4 fl oz	14 day	0	0	5	1.7	a
DPX 965 + Dac. 2787	.5 oz ai. + 3 oz ai.	21 day	0	5	0	1.7	a
DPX 965	.5 oz ai.	21 day	5	0	0	1.7	a
Prochloraz EC	6 fl oz	21 day	0*	0**	5*	1.7	a
KWG 0519	.12 oz ai.	28 day	3	2	0	1.7	a
Fungo 50	2 oz	21 day	5	0	0	1.7	a
PP 450	4 gm ai.	21 day	0	5	0	1.7	a
Tersan 1991	2 oz	21 day	5	0	0	1.7	a
DPX 965 + Manzate 200	.5 oz ai. + 2.5 oz ai.	21 day	0	2	5	2.3	a
Bayleton	.5 oz	21 day	2	0	5	2.3	a
Banner	1 fl oz	21 day	0	2	5	2.3	a
Lesco 63539	3 fl oz	14 day	5	0	2	2.3	a
PP450	2 gm ai.	21 day	0	10	0	3.3	ab
CGA-449	8 gm ai.	21 day	2	10	0	4	ab
Lesco 63539	6 fl oz	14 day	0	7	5	4	ab
MF 745	2 oz	21 day	5	0	10	5	ab
CGA-449	6 gm ai.	21 day	10	0	5	5	ab
CGA-449	12 gm ai.	21 day	15	2	0	5.7	ab
Manzate 200	2.5 oz ai.	21 day	1	5	20	8.7	ab
Daconil 2787	3 oz ai.	21 day	10	5	25	13.3	bc
Prochloraz EC + AD-TGF	3 fl oz + .34 oz	21 day	0*	0**	40*	13.3	bc
Check	-	-	0	10	30	13.3	bc
MF 745	1 oz	21 day	35	20	5	20	cd
AD-TGF	.34 oz	21 day	25	20	30	25	d

Treatments followed by the same letter(s) are not significantly different from each other at the 5% level. Notes:

\* Indicates slight phytotoxicity (stunting, some discoloration) on 7/26

\*\* Indicates moderate phytotoxicity (increased stunting, leaf necrosis) on 7/26.

#### DOLLAR SPOT FUNGICIDE STUDIES - 1985

The 1985 dollar spot (Moellerodiscus sp., Lanzia sp.) fungicide studies were conducted at three sites as detailed below. All treatments were applied to three replicate plots in a random block design using a CO<sub>2</sub> small plot sprayer operating at 30 PSI and a volume of 48 gal/A. All ratings were taken visually on a scale of 1-9 (1= no disease, 9= 90% infection or greater).