

Common Dollar Spot Fungicide Study - 1979

The 1979 common (benzimidazole-sensitive) dollar spot (Sclerotinia homoeocarpa) study was conducted on a Poa annua fairway on the Burroughs Farms Golf Course in Brighton, MI. The 3' x 6' plots were laid out in three replications in a randomized block design. All applications were made with a CO₂ small-plot sprayer at a volume of 40 gal/acre. Data are presented in Table 7.

There was a uniform dollar spot infestation over the entire area prior to application of the first treatments on July 2. A second treatment was applied on July 17 with the ratings being taken on July 30.

All of the fungicides gave significant control of benzimidazole sensitive Sclerotinia dollar spot. Only iron sulfate (FeSO₄), which is not a fungicide, failed to reduce the disease compared to the untreated check.

Benzimidazole-Resistant Dollar Spot Study - 1979

The benzimidazole-resistant dollar spot (Sclerotinia homoeocarpa) study was conducted on an irrigated Poa annua fairway at Maple Lanes Golf Course in Warren, MI. The 3' x 6' plots were laid out in three replications of a randomized block design. All treatments were applied with a small-plot CO₂ sprayer at a volume of 40 gal/acre. Treatments were applied on July 24 and August 6. The ratings were taken on August 22.

All fungicides gave significant control of benzimidazole resistant Sclerotinia dollar spot (BRSD) including iron sulfate and the benzimidazole fungicides, Tersan 1991, Fungo 50, and Cleary's 3336 (Table 8). BRSD was identified on these fairways two seasons previous. Since that time they have received no benzimidazole fungicide treatments. The data would suggest that a mixed population of benzimidazole sensitive and resistant strains now exists.

Table 8.

Benzimidazole-Resistant Dollar Spot Study - 1979
Number dollar spots/plot

Treatment	Rate/1000 ft ²	No. of spots/ plot				
		I	II	III	AVE	DMR
Daconil 2787-FL	6 fl oz	0	0	0	0	A
Chipco 26019	1 oz	0	0	0	0	A
Chipco 26019	2 oz	0	0	0	0	A
CGA-64251	4 gm ai	0	0	0	0	A
Bayleton 25 WP	1 oz	0	0	0	0	A
Bayleton 25 WP	2 oz	0	0	0	0	A
Bayleton 25 WP	4 oz	0	0	0	0	A
Acti-dione TGF + FeSO ₄	.69 oz + 2 oz	0	0	0	0	A
AD-RZ + AD-TGF + FeSO ₄	.55 oz + .34 oz + 2 oz	0	0	0	0	A
Acti-dione RZ + Acti-dione TGF	.55 oz + .34 oz	0	0	0	0	A
DPX 4424	1 oz	0	0	0	0	A
DPX 4424	2 oz	0	0	0	0	A
DPX 4424	4 oz	0	0	0	0	A
DPX 4424 + Tersan 75	1 oz + 3 oz	0	0	0	0	A
DPX 4424 + Tersan 75	2 oz + 3 oz	0	0	0	0	A
BFN 8099	6.3 fl oz	0	0	0	0	A
Baycor 25 WP	1 oz ai	0	0	0	0	A
Acti-dione TGF	.69 oz	0	1	0	.3	A
Daconil 2787 WP	4 oz	1	0	0	.3	A
Caddy + Bromosan fl	1 fl oz + 4 fl oz	1	0	0	.3	A
Bromosan FL	4 fl oz	0	0	2	.7	A
Acti-dione RZ + FeSO ₄	.55 oz + 2 oz	0	3	0	1	A
CGA-64251	2 gm ai	0	3	1	1.3	A
Caddy	1 fl oz	0	2	3	1.7	A
Daconil 2787 WP	2 oz	3	2	0	1.7	A
Daconil 2787 FL	3 fl oz	3	3	0	2	AB
MF 598	4 oz	5	2	0	2.3	AB
BFN 8099	2.5 fl oz	4	2	2	2.7	AB
Acti-dione RZ	.55 oz	3	13	0	5.3	ABC
Fungo 50	1 oz	10	4	3	5.7	ABC
BFN 8099	.63 fl oz	10	3	5	6	ABC
Cleary 3336 FL	1 fl oz	10	8	7	8.3	CD
FeSO ₄	2 oz	4	17	13	11.3	CD
Tersan 1991	1 oz	8	3	27	12.6	DE
Maneb/Zineb	6 fl oz	24	21	9	18	E
Check	-	32	25	19	25.3	F

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