

5. Anthracnose

The Anthracnose studies were conducted at the Dearborn C.C. in Dearborn, MI on the fairway which was primarily Poa annua cut at a 1/2 inch height. The plots were 6 x 6 ft. and replicated in a random block design. The liquid applications were made with a CO₂ hand held sprayer and the dry formulation with a Scotts 3 ft. drop spreader.

Study I

Treatments for Study I were applied on 8/6 and 8/16 except for Tersan 1991 8 oz., Scotts F + F II and Ammonium Nitrate which were only applied once on August 6. The systemic fungicide Tersan 1991, DPX and Scotts Fertilizer plus DSB Fungicide were all drenched in after application. The plots were evaluated on percent thinning due to Anthracnose. The readings were taken on 9/11. The results in Table 1 show that Tersan 1991 at 8 oz., 4 oz., and 1 oz.; DPX at 8 oz., and 4 oz.; and Scott's Fertilizer & DSB Fungicide all gave significant control over the untreated check. Table 5.

Study II

The fungicides in Table 2 were applied only once on August 18. Recovery in this study was not as good as in Study I, which is probably due to the fact that the plots only received one treatment and, more importantly, due to the fact that the treatments were made over a month after the initial appearance of the disease. In study II Tersan 1991 2 oz. drench; Cleary's 3336 2 oz. drench and 3 oz. foliar and Fungo 4 oz. drench gave significant control compared to the untreated check. Table 6.

Table 5. Control of Anthracnose in Poa annua

Treatment	Rate/1000 ft ²	Percent infected area			Average ¹	
		I	II	III		
DPX 164	8 oz.	0	0	0	0	a
Tersan 1991 (D ²)	4 oz.	0	0	0	0	a
Scotts Fertilizer + DSB	1 x	0	5	0	1.7	a b
Tersan 1991	1 oz.	5	0	0	1.7	a b
Tersan 1991 (D)	8 oz.	0	5	0	1.7	a b
DPX 164	4 oz.	0	10	5	5	a b c
Tersan 1991	3 oz.	25	0	0	8.3	a b c d
Scotts F+F II	1 x	20	20	30	23.3	a b c d e
Tersan LSR	8 oz.	40	15	20	25	a b c d e
Scotts 10IV	1 x	25	15	40	26.7	a b c d e
Am. Nitrate	1 lb.	30	40	10	26.7	a b c d e
Daconil 2787	4 oz.	50	5	40	31.7	b c d e
Tersan 75	4 oz.	30	10	60	33.3	c d e f
Daconil 2787	8 oz.	60	10	40	36.7	d e f
Tersan LSR	4 oz.	35	30	50	38.3	d e f
Dyrene	4 oz.	70	10	40	40.0	e f
Check		40	20	60	40.0	e f
Dyrene	8 oz.	70	5	50	41.3	e f
Tersan LSR	6 oz.	20	60	50	43.3	e f
Calo-Clor	2 oz.	70	40	50	53.3	e f
Calo-Clor	1 oz.	80	50	60	63.3	f

¹Treatments followed by the same letter are not significantly different from each other at the 5% level.

²Symbol (D) signifies treatment was Drenched in.

Table 6. Control of Anthracnose in Poa annua

Treatments	rate 1000 sq. ft.	I	II	III	Average ¹
Tersan 1991 (D) ²	2 oz.	5	5	20	6.7 a
Cleary's 3336 (D)	2 oz.	5	15	5	8.3 a b
Cleary's 3336	3 oz.	10	15	5	10.0 a b
Fungo 50 (D)	4 oz.	20	20	5	15.0 a b
Cleary's 3336 (D)	4 oz.	20	20	15	18.3 a b c
Cleary's 3336 (D)	1 oz.	40	10	20	23.3 a b c d
Fungo 50 (D)	1 oz.	20	20	30	23.3 a b c d
Fungo 50 (D)	2 oz.	40	25	10	25.0 a b c d
Cleary's 3336	1 oz.	30	40	15	28.3 a b c d
Tersan 1991 (D)	1 oz.	10	30	50	30.0 b c d
Fungo 50	1 oz.	35	25	30	30.0 b c d
R.P. 26019	2 oz.	40	35	40	38.3 c d
Check		40	20	60	40.0 c d
Fungo 50	3 oz.	60	30	40	43.3 d

¹Treatment followed by the same letters are not significantly different from each other at the 5% level.

²(D) signifies treatment was drenched in.