

Dollar Spot Control on Fairways

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PURPOSE

To evaluate fungicides for the control of dollar spot on golf course fairway turf.

MATERIALS AND METHODS

This evaluation is being conducted at Clover Hill Golf Course, Franklin Park, PA on a mixed stand of annual bluegrass/perennial ryegrass maintained under golf course fairway management conditions, at approximately 0.5-inch cutting height. Individual plots, of 3 ft x 10 ft were arranged in a randomized complete block design with three replications. The experimental area was not inoculated; all disease development was of natural occurrence. Treatments were applied with a CO₂-powered boom sprayer, using XR TeeJet 8005 VS nozzles, at 30 psi, in water equivalent to 1.0 gal per 1000 sq ft. Applications were initiated on June 15, 2005. Treatments have been continued on appropriate 14, 21, or 28-day schedules and will continue into the fall. Percent dollar spot damage will be evaluated when a significant outbreak occurs. Additionally, turfgrass quality will be rated when differences are observed using a 1-9 scale, 1 = dead turf, 9 = ideal turf, and 6 being acceptable turf. Data obtained will be subjected to analysis of variance and LSD was used to determine significant differences between treatment means.

DISCUSSION AND CONCLUSION

It has been an atypical year for dollar spot development in the Pittsburgh area. Due to the extremely hot weather dollar spot occurrence has been limited to the rough in most locations. Applications will continue on the plot through September and ratings will be collected as needed.

Table 1. Treatments of the 2005 dollar spot control trial, Clover Hill Golf Course.

Treatment			Rate			Sched
1	Headway	167	ME	1.5	FL OZ/1000 FT2	21 Day
2	Headway	167	ME	0.75	FL OZ/1000 FT2	14 Day
3	Heritage TL	1	ME	1	FL OZ/1000 FT2	14 Day
4	Heritage	50	WG	0.2	OZ/1000 FT2	14 Day
4	Banner MAXX	1.3	ME	0.5	FL OZ/1000 FT2	14 Day
5	Heritage TL	1	ME	1	FL OZ/1000 FT2	21 Day
5	Banner MAXX	1.3	ME	1	FL OZ/1000 FT2	21 Day
6	Heritage TL	1	ME	0.5	FL OZ/1000 FT2	14 Day
6	Banner MAXX	1.3	ME	0.5	FL OZ/1000 FT2	14 Day
7	Banner MAXX	1.3	ME	1	FL OZ/1000 FT2	21 Day
8	Emerald	50	WG	0.13	OZ/1000 FT2	21 Day
9	Emerald	50	WG	0.13	OZ/1000 FT2	21 Day
9	PX056	100	F	0.125	% V/V	21 Day
10	Insignia	20	WG	0.9	OZ/1000 FT2	14 Day
11	Insignia	20	WG	0.9	OZ/1000 FT2	14 Day
11	PX056	100	F	0.125	% V/V	14 Day
12	Spectator	3	EC	0.37	FL OZ/1000 FT2	14 Day
13	Spectator	3	EC	0.72	FL OZ/1000 FT2	28 Day
14	18 Plus	2	F	3	FL OZ/1000 FT2	21 Day
15	L-0498	0.6	G	3.1	LB/1000 FT2	14 Day
16	L-0498	0.6	G	6.2	LB/1000 FT2	28 Day
17	L-0499	0.6	G	3.1	LB/1000 FT2	14 Day
18	L-0500	0.6	G	3.1	LB/1000 FT2	14 Day
19	Compass	50	WG	0.25	OZ/1000 FT2	14 Day
19	Bayleton	50	WG	0.5	OZ/1000 FT2	14 Day
20	Bayleton	50	WG	1	OZ/1000 FT2	28 Day
21	26/36	4	F	2	FL OZ/1000 FT2	21 Day
22	26/36	4	F	4	FL OZ/1000 FT2	21 Day
23	3336 Plus	2	F	2	FL OZ/1000 FT2	21 Day
24	3336 Plus	2	F	4	FL OZ/1000 FT2	21 Day
25	3336	75	WP	4	OZ/1000 FT2	14 Day
26	Daconil Ultrex	82.5	WG	2.5	OZ/1000 FT2	14 Day
27	Lynx	45	WP	0.6	OZ/1000 FT2	14 Day
28	Curalan	50	EG	1	OZ/1000 FT2	21 Day
29	26 GT	2	SC	3	FL OZ/1000 FT2	21 Day
30	Daconil Ultrex	82.5	WG	1	OZ/1000 FT2	21 Day
30	26 GT	2	SC	0.5	FL OZ/1000 FT2	21 Day
30	Banner MAXX	1.3	ME	0.1	FL OZ/1000 FT2	21 Day
31	Daconil Ultrex	82.5	WG	1	OZ/1000 FT2	21 Day
31	26 GT	2	SC	0.5	FL OZ/1000 FT2	21 Day
31	Bayleton	50	WG	0.1	OZ/1000 FT2	21 Day
32	3336	75	WP	0.5	OZ/1000 FT2	21 Day
32	26 GT	2	SC	0.5	FL OZ/1000 FT2	21 Day
32	Daconil Ultrex	82.5	WG	1	OZ/1000 FT2	21 Day
33	3336	75	WP	0.5	OZ/1000 FT2	21 Day
33	26 GT	2	SC	0.5	FL OZ/1000 FT2	21 Day
33	Banner MAXX	1.3	ME	0.1	FL OZ/1000 FT2	21 Day
34	3336	75	WP	0.5	OZ/1000 FT2	21 Day
	26 GT	2	SC	0.5	FL OZ/1000 FT2	21 Day
	Bayleton	50	WG	0.1	OZ/1000 FT2	21 Day
35	Lynx	1	SC	1	FL OZ/1000 FT2	14 Day
36	Check					