

Dollar Spot Field Trial, 1998.

This test was conducted at the Hancock Turfgrass Research Center, E. Lansing, MI on a creeping bentgrass stand. Plots were mowed at 0.25 in, and fertilized monthly with 0.25 lb nitrogen per 1000 sq ft beginning on 1 Jul. Fungicide treatments were initiated on 31 Jul and were applied to 2 ft x 7.5 ft plots arranged in a randomized complete block design with four replications. Applications were made using a hand held CO₂-powered back pack sprayer at 36 psi with a single 8002E flat fan TeeJet nozzle at a rate of 1 gal per 1000 sq ft.

As the disease ratings in table 2 indicate, in general, products which performed well early in the season were still performing well at the time of the last rating (23 Sep), despite increasing disease pressure in the plot area. This includes most of the standards that are used for dollar spot control. No phytotoxicity was observed, except as noted in the table. Data were subjected to analysis of variance and LSD test, p=0.05.

Table 2. 1998 Dollar Spot Ratings

Treatment	Rate ^a	Int. (days) ^d	% Dollar Spot ^b			
			29 Aug	11 Sep	18 Sep	23 Sep
Curalan (EG)	2 oz	21	0 f ^e	0 i	0 f	0 j
Bayleton 50 DF + Chlorothalonil 900.25	oz + 1.67 oz	14	0.2 f	0 i	0 f	0 j
Ch. 26GT	4 fl oz	14	0 f	0 i	0 f	0 j
EXP 80318C	1 fl oz	14	0 f	0 i	0 f	0 j
Banner	1.5 fl oz	21	0.1 f	0 i	0 f	0 j
Echo 90 DF	6 oz	14	0 f	0 i	0 f	0 j
Echo 720	6 fl oz	14	0 f	0 i	0 f	0 j
Heritage + Dac. Ultrex	0.2 oz + 3.9 oz	14	0 f	0 i	0 f	0 j
Daconil Weather Stik	4.125 fl oz	14	0.1 f	0 i	0 f	0 j
Thalonil 4L	6.23 fl oz	14	0 f	0 i	0 f	0 j
Dac. Ultrex	3.9 oz	14	0 f	0 i	0 f	0 j
Eagle	0.6 oz	14	0 f	0.1 i	0 f	0 j
Sentinel 40 WG	0.167 oz	21	0 f	0 i	0 f	0 j
Bayleton 50 DF + Heritage	0.25 oz + 0.2 oz	14	0.1 f	0 i	0 f	0.1 j
Spectro	8 oz	14	0 f	0 i	0 f	0.1 j
Daconil Ultrex	3.8 oz	14	0 f	0 i	0 f	0.1 j
RH-0611	8 oz	14	0 f	0 i	0.1 f	0.1 j
Lynx + Chlorothalonil 90	0.278 oz + 1.67 oz	14	0.1 f	0 i	0 f	0.2 j
EXP 80318C	1 fl oz	21	0.2 f	1.2 hi	.02 f	0.2 j
Lynx + Heritage	0.278 oz + 0.2 oz	14	0.1 f	0.1 i	0.2 f	0.3 j
Daconil Ultrex	3.8 #/A	10	1.1 f	0 i	3 ef	2.0 ij
Eagle	1.2 oz	28	0 f	0 i	1 f	2.8 h-j
Ch. 26 GT + Proxy ^f	4.0 oz + 4.7 fl oz	28	3.0 f	0 i	1.6 f	3.5 g-j
Chlorothalonil 90	1.67 oz	14	3.5 f	0 i	0.8 f	6.3 gh
Ch. 26Gt + Proxy +	4.0 fl oz + 4.7 fl oz					
Ch. Signature 80WG ^f	+ 4.0 oz	28	2.6 f	0.1 i	5.5 ef	7.5 g
IB10353	3.5 #/A	10	18.8 d	12.5 e	21.3 d	17.5 f
AMV 300 ^e	1 fl oz	14	27.5 bc	26.7 b	38.3 b	35 e
Ch. Signature 80WG + Proxy ^f	4.0 oz + 4.7 fl oz	28	20 d	16.3 d	28.3 c	42.5 d
QST 713	5 g/L	7	26.3 c	30 b	40 ab	47.5 c
QST 713	20 g/L	7	26.3 c	28.8 b	31.3 c	47.5 c
QST 713	10 g/L	7	25.5 c	30 b	38.8 ab	50 bc
Heritage	0.2 oz	14	30 b	21.3 c	33.8	52.5 ab
Control	---	---	33.8 a	38.8 a	45 a	55 a

^a Rates are per 1000 sq ft unless otherwise indicated

^b Numbers represent estimated % diseased area of the covered portion of each plot. Means of four replications.

^c Means followed by the same letter do not significantly differ (LSD, p=0.05.)

^d 14 day treatments applied on 7/31, 8/14, 8/27, and 9/11; 21 day treatments on 7/31, 8/20, and 9/11; and 28 day treatments on 7/31 and 8/27.

^e Moderately severe phytotoxicity during August, mildly phytotoxic during September.

^f Moderately severe phytotoxicity (chlorosis) during August, mildly phytotoxic during September.