

Upjohn Annual Bluegrass Fungicide Phytotoxicity-Dollar Spot Study - 1983
 Hancock Turfgrass Research Center, MSU.

The 1983 Upjohn fungicide study was conducted on an annual bluegrass area at the Hancock center on the MSU campus. This simulated fairway area was irrigated as needed, moderately fertilized and mowed at 1/2" height of cut. The study was set up in three replications (6' x 9') of a randomized block design. All treatments were applied preventatively on July 14 with subsequent applications being made on July 28, August 12, August 25, and Sept. 8. The fungicides were applied with a CO₂ small-plot sprayer at a volume of 40 gal/acre at 30 PSI.

Dollar spot (*Moellerodiscus* sp., *Lanzia* sp.) disease pressure was moderate in the plot area this year with the greatest infection levels occurring in mid-August. Despite record temperatures, however, phytotoxicity was mild and occurred only after 3 applications had been made. The phytotoxicity effects were not evident following the last application on Sept. 8. No significant anthracnose infection was noted in the plot area this year.

Table 11. Upjohn Annual Bluegrass Fungicide Phytotoxicity-Dollar Spot Study - 1983. Hancock Turfgrass Research Center, MSU. Dollar spot rating scale: 1 (no disease) - 9 (90% infection or greater). Rating date - 8/13/83.

Treatment	Rate/1000 ft ²	Repetition				DMR*
		I	II	III	AVE	
Bayleton	1/2 oz.	1	1	1	1	A
Acti-done TGF + Bayleton	.34 oz. + .5 oz.	1	1	1	1	A
Acti-done TGF + Daconil 2787 FL	.34 oz. + 1.5 fl. oz.	1	2	1	1.3	AB
Acti-done TGF + Acti-dione RZ	.34 oz. + .55 oz.	1	2	2	1.7	AB
Acti-dione RZ	.55 oz.	2	2	2	2	BC
Acti-dione TGF	.34 oz.	1	3	2	2	BC
Daconil 2787 F	1.5 fl. oz.	3	3	2	2.6	C
Check	-	5	5	4	4.7	D

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