

Table 12. Ciba-Geigy Bentgrass Phytotoxicity Study - 1983. Hancock Turfgrass Research Center, MSU. Dollar spot rating scale: 1 (no disease) - 9 (90% infection or greater). Rating date - 9/2/83.

Treatment	Rate/1000 ft ²	Repetition				DMR**
		I	II	III	AVE	
Acti-dione TGF	.34 oz.	1	1	1	1	A
Bayleton	.5 oz.	1	1	1	1	A
Acti-dione TGF + Bayleton	.34 oz. + .5 oz.	1	1	1*	1	A
Acti-dione TGF + Acti-dione TZ	.34 oz. + .55 oz.	1	1*	1*	1	A
Acti-dione RZ	.55 oz.	1	1	1	1	A
Acti-dione TGF + Daconil 2787 FL	.34 oz. + 1.5 fl. oz.	1	2	1	1.3	AB
Daconil 2787 FL	1.5 fl. oz.	1	2	2	1.7	B
Check	-	3	4	3	3.3	C

* Light phytotoxicity (browning) noted.

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

Ciba-Geigy Bentgrass Phytotoxicity Study - 1983
Hancock Turfgrass Research Center, MSU

The Banner (CGA 64250 1.125 E) phytotoxicity studies were conducted on Emerald creeping bentgrass and on Fylking Kentucky bluegrass. Both studies were set up in a randomized block design with 3 replications. Treatments were applied with a CO₂ small-plot sprayer with 8002 E nozzle tips at a volume of 40 gal/acre. Treatments were applied on July 1, July 22, Aug. 12 and Sept. 2 with each fungicide rate being applied from one to four times.

In contrast to last year, no phytotoxicity was observed in either study this year. This finding was surprising in light of the extremely high temperatures we experienced this summer. Throughout the growing season, however, we did observe differences in dollar spot incidence between treatments in the bentgrass study. This data is presented in the following table, along with observed "greening" response we also observed.

Table 13. Ciba-Geigy Bentgrass Phytotoxicity Study - 1983. Hancock Turfgrass Research Center, MSU. Dollar spot rating scale: 1 (no disease) - 9 (90% infection or greater). Rating taken - 9/2/83.

Treatment	Rate/1000 ft ²	Repetition				DMR**
		I	II	III	AVE	
Banner	4 fl. oz. (7/1, 7/22)	1*	1*	1*	1	A
Banner	1 fl. oz. (7/1, 7/22, 8/12)	1	1	1	1	A
Banner	2 fl. oz. (7/1, 7/22, 8/12)	1	1	1	1	A
Banner	4 fl. oz. (7/1, 7/22, 8/12)	1*	1*	1*	1	A
Banner	1 fl. oz. (7/1, 7/23, 8/12, 9/2)	1	1	1	1	A
Banner	2 fl. oz. (7/1, 7/22, 8/12, 9/2)	1	1	1	1	A
Banner	4 fl. oz. (7/1, 7/22, 8/12, 9/2)	1	1*	1*	1	A
Banner	2 fl. oz. (7/1, 7/22)	3	2	1	2	AB
Banner	4 fl. oz. (7/1)	4	3	2	3	BC
Banner	1 fl. oz. (7/1, 7/22)	4	3	3	3.3	C
Banner	2 fl. oz. (7/1)	5	4	3	4	C
Banner	1 fl. oz. (7/1)	8	8	5	7	D
Check	-	9	9	8	8.7	E

* Greening effect

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