

Yellow Patch Fungicide Study - 1983
Northville, MI.

The 1983 yellow patch (Rhizoctonia cerealis) fungicide study was conducted on a heavily diseased, irrigated bluegrass lawn area in Northville, MI. The study was laid out in three replications of a randomized block design (6' x 9' plot size). Treatments were applied with a CO₂ small-plot sprayer at a volume of 40 gal/acre beginning on June 29. Treatments were re-applied on July 29, September 6 and October 6. A preliminary disease rating was taken on June 29 and a final rating was taken on November 21. The following data consists of the percent change in the number of disease rings per plot between the initial rating and the final rating (plots that show negative percentages showed increased infection).

This is the first replicated report of chemical management of yellow patch. Rubigan, Chipco 26019 and Banner of the commercially available or soon to be registered products gave the best management of the disease. While these results can be used as suggestions for yellow patch management, further testing is necessary before firm recommendations can be made.

Table 6. Yellow Patch Fungicide Study - 1983. Northville, MI. Rating date - 11/21/83. % improvement per plot following repeated treatment.

Treatment	Rate/1000 ft ²	Repetition			AVE	DMR*
		I	II	III		
Rubigan	2 oz.	75	100	60	78.3	A
Rubigan	6 oz.	100	50	66	72	A
Chipco 26019	4 oz.	100	33	75	69.3	A
Rubigan	4 oz.	64	100	33	65.7	AB
BRC 227	1.04 gm. ai.	50	66	64	60	AB
Banner	1 fl. oz.	100	17	33	50	ABC
CGA-71818	16 gm. ai.	37	60	43	46.7	ABCD
Banner	2 fl. oz.	50	0	86	45.3	ABCD
NC 28410	4 oz. ai.	33	14	75	40.7	ABCDE
Rubigan	1 oz.	56	14	43	37.7	ABCDE
BRC 227	2.08 gm. ai.	50	58	0	36	ABCDE
NTN 19701	2 oz. ai.	33	0	65	32.7	ABCDE
Terraclor	1 oz. ai.	100	-50	44	31.3	ABCDE
MF 690	2 oz.	33	-17	71	29	ABCDE
MF 691	2 oz.	78	-25	33	28.7	ABCDE
CGA-71818	8 gm. ai.	12	69	0	27	ABCDE
Vorlan	4 oz.	18	10	27	18.3	ABCDE
MF 691	3 oz.	33	14	0	15.7	ABCDE
NC 28410	2.08 gm. ai.	0	-22	64	14	ABCDE
MF 654	1.5 oz.	0	20	0	6.7	ABCDE
MF 654	3 oz.	75	-43	-20	4	ABCDE
MTN 19701	1 oz. ai.	-17	-50	42	-8.3	BCDE
Check	-	-33	20	-40	-17.7	CDE
Bayleton	4 oz.	18	-14	-60	-18.7	CDE
Terraclor	2 oz. ai.	0	-100	29	-23.7	CDE
MF 690	3 oz.	-33	-13	-29	-25	DE
NTN 19701	4 oz. ai.	0	-43	-40	-27.7	DE
MF 654	1 oz.	-29	25	-86	-30	E

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