

WAC 71 +	8 oz* +					
WAC 71	12 oz	30(30)	35(20)	20(20)	28.3	H-V
3336 WP + Dac. Ultrex +	4 oz* + 3.8 oz* +					
WAC 71	12 oz	3(3)	60(40)	25(20)	29.3	H-U
WAC 71	12 oz	35(5)	20(20)	35(30)	30.0	H-T
ANDFG 206-97	6.66 lbs	50(10)	30	10	30.0	H-T
ANDFG 204-97	6.66 lbs	30	30	40	33.3	G-R
CH 26GT + Dac. Weather Stik	4 fl oz + 5.5 fl oz	65(65)	2	35(35)	34.0	G-Q
Fore WP + Terraclor WP	6 oz + 8 oz	5	30	70	35.0	F-P
Turficide 75WG	8 oz	50	35	25	36.7	F-N
Vigoro 97-042	6.7 lbs	50(5)	35	25(25)	36.7	F-N
XP-7	8 lbs	35	65	15	38.3	F-M
Fore WP	8 oz	40	5	70	38.3	F-M
Scotts FFII + Scotts Fungicide X	51.9 oz + 115.4 oz	40(15)	40	40(10)	40.0	F-L
Vigoro 97-042	5 lbs	75(5)	7	40	40.7	F-K
FL# 971557 (CGA)	6 fl oz	95(70)	30(5)	35(35)	53.3	E-H
Terragard 50W	4 oz	90(75)	12(10)	80(70)	60.7	C-G
XP-7	6 lbs	50	40	95(70)	61.7	C-G
UBI 4143	160 oz	90(5)	35(30)	65(60)	63.3	B-F
UBI 9249	160 oz	90(30)	80(10)	20(17)	63.3	B-F
UBI 9279 + Turficide 400	7.3 oz + 6 fl oz	85(35)	75(25)	65(60)	75.0	A-E
L-0008	4 lbs	98(30)	65(20)	65(35)	76.0	A-E
Terragard 50W	2 oz	95(70)	95(25)	60(35)	83.3	A-D
A 1556	24 oz	95(40)	65(45)	90(45)	83.3	A-D
A 1556	3 oz	100(70)	85(60)	80(40)	88.3	A-D
UBI 4044	160 oz	95(30)	98(50)	85(60)	92.7	A
A 1556	6 oz	98(60)	90(45)	98(80)	95.3	A
Scotts Fungicide X	115.4 oz	98(70)	95(50)	95(40)	96.0	A
Andersen's Check Fertilizer	6.66 lbs	100(70)	90(10)	100(70)	96.7	A
Control		100(75)	98(40)	98(45)	98.7	A
FL# 971556 (CGA)	6 fl oz	100(60)	98(45)	100	99.3	A
A 1556	1.5 oz	100(70)	100(50)	100(60)	100	A

*Treatments applied on Oct. 16 only.

^a All treatments applied on Oct 30 unless otherwise indicated.

^b Treatments followed by the same letter are not significantly different at the 5% level (LSD).

Take All Patch Field Trial, 1998

Study A

This test was conducted at the Whittaker Woods Golf Club in New Buffalo, MI, on an irrigated creeping bentgrass fairway. Plots were mowed at ½" and fertilized monthly at 0.33 lb N/1000 sq ft. Take all patch was active in the plot area in mid-May, so curative treatments were initiated on May 28. Treatments were applied to diseased 6' x 9' plots in 4 replications using a CO₂ backpack sprayer as previously described in the report. Spray volume was 100 GPA and all treatments were allowed to dry on the foliage. All treatments were re-applied on June 26, except as noted in the data tables. The fall treatments (as indicated in Table 9) were applied on Aug 13 and Sep 6.

Study B

Because take all patch often becomes active in the cool, wet weather of the fall, the same treatments described in study A (except 3336 WP) were applied preventively to new plots on Aug 12, 1998 using the same procedures described above. Though expressing no disease symptoms, the plots used for these preventive treatments were each known to be infected from previous plot mapping. The treatments were re-applied on Sep 6, 1998.

Curative diseases ratings in study A were taken on Jun 26 and Jul 14. Because disease pressure in the plot area had abated by Jul 14, on the Jun 26 recovery data is reported (Table 9). This data describes disease activity in the treated plots after only one curative application (May 28).

As the disease and recovery data in Table 9 indicate, only the 3336 WP promoted recovery that was significantly different from the untreated controls and the other treatments. Our past research has indicated that the benzimidazole (thiophanate) fungicides are fast-acting curative treatments for patch diseases, so the rapid recovery observed in the 3336 WP treated plots was not surprising. Had disease pressure been sustained in the plot area, it is likely that Banner Maxx, Heritage, etc would also have promoted turf recovery that was statistically significant from the untreated controls. Unfortunately, this data gives us no insight into the preventive efficacy of these compounds against take all patch. No phytotoxicity was observed in this study this year.

Table 9. Whittaker Woods Take All Patch, 1998. Rating Scale: Percent plot area expressing symptoms

Rating Date:		June 26, 1998	
Treatment	Rate/1000 ft ²	Mean % Take All	Mean % Recovery
3336 WP	8 oz	0.5 b	87 a
Banner MAXX	4 fl oz	3.5 ab	57 a-c
Heritage	0.4 oz	3.8 ab	80 ab
CGA 279202	0.15 oz	4 ab	0 a-c
EXP80318C	1 fl oz	6.8 a	50 a-d
EXP80318C	0.5 fl oz	7 a	40 a-d
Control	—	7.3 a	70 b-d
CGA 279202	0.2 oz	7.5 a	40 a-d
CGA 279202 +	0.2 oz +		
Banner MAXX	2 fl oz	8 a	50 cd
CGA 279202	0.3 oz	8.8 a	0 d