

Study B

This study was set up in 4 replicates of a randomized complete block design with 2' x 9' plots. We used a CO₂ backpack sprayer with a single nozzle boom at 34 psi and 48 GPA. The host was Emerald creeping bentgrass mowed at 3/16". Fertility was maintained at about 3/8#N/month/1000 ft². The 7-day treatments were applied 7/31, 8/9, 8/15, 8/20, 8/29, 9/5, 9/13 and 9/19. The 14-day treatments were applied 7/31, 8/15, 8/29, and 9/13. The 21-day treatments were applied 7/31, 8/20, and 9/13. The 28-day treatments were applied 7/31 and 8/29. Data represent mean percent plot area infected (Table 2).

As the data in Table 2 indicate, dollar spot disease pressure was severe in this study. The DMI fungicides (Lynx, Eagle) alone, and in combination with Daconil, performed well throughout the rating period. Chipco 26GT also performed well on a 14-day schedule. Surprisingly, Daconil Ultrex at the 3.2 oz/1000 ft² rate did not hold up under late September disease pressure. It should be noted that the dollar spot strains in this plot area are benzimidazole-resistant, explaining the fail efficacy of 3336F.

Treatment Rate/1000 sq ft	Interval (Days)	Disease ^a 9/6	Disease ^a 9/13	Disease ^a 9/20	Mean Quality ^{ab} 9/20
Banner Maxx 1 fl oz	21	3.6 f-h	19.5 g-n	14.5 h-l	5.8
WAC79 2 fl oz + Dac. Ultrex 3.8 oz	14	9.3 e-h	37.0 d-g	30.8 e-g	4.0
WAC79 3 fl oz + Dac Ultrex 3.8 oz	14	11.9 e-h	52.5 a-d	41.3 a-e	3.5
WAC79 4 fl oz + Dac Ultrex 3.8 oz	14	14.3 d-g	57.5 a-c	42.5 a-e	3.5
WAC79 2 fl oz + Protect T/O 5 oz	14	31.3 ab	60.0 ab	42.5 a-e	3.3
WAC79 3 fl oz + Protect T/O 5 oz	14	33.8 a	67.5 a	53.8 a	2.5
WAC79 4 fl oz + Protect T/O 5 oz	14	31.3 ab	56.5 a-c	46.5 a-c	3.0
WAC79 2 fl oz + 3336 F 4 fl oz	14	27.5 a-d	41.5 c-f	40.3 b-e	3.8
WAC79 3 fl oz + 3336 F 4 fl oz	14	31.3 ab	47.5 b-e	42.5 a-e	3.3
WAC79 4 fl oz + 3336 F 4 fl oz	14	32.5 a	56.3 a-c	50.0 ab	2.5
Rubigan AS 1.5 fl oz	21	12.5 e-h	26.3 f-k	23.9 f-i	5.0
Rubigan AS 1.5 fl oz + Heritage 0.3 oz	21	10.6 e-h	35.0 d-h	36.3 c-f	3.8
Rubigan AS 1.5 fl oz	28	4.8 f-h	21.3 g-m	20.0 g-k	5.3
Rubigan AS 1.5 fl oz + Heritage 0.4 oz	28	8.8 e-h	28.8 f-j	23.8 f-i	5.0
Pentathlon DF 3 oz	7	37.5 a	66.3 a	53.8 a	2.3
Pentathlon DF 4 oz	7	31.3 ab	50.0 a-d	46.3 a-c	3.0
Eagle 40 WSP 0.6 oz	14	0.1 h	0.3 p	0.6 m	7.5
Eagle 40 WSP 1.2 oz	28	0.3 h	0.0 p	0.2 m	8.0
FORE Rainshield 8 oz	14	16.8 c-f	26.3f-k	36.3 d-f	3.5
FORE 8 oz	14	18.8 b-e	50.0 a-d	48.8 a-c	2.8
Eagle G (XF-00023) 4 oz	14	0.2 h	3.8 m-p	0.3 m	8.0

Eagle G (XF-00024) 2.5 oz	14	0.2 h	0.4 p	0.2 m	8.8
Eagle G (XF-00023) 8 oz	28	0.7 h	0.6 p	1.3 m	7.3
Eagle G (XF-00024) 5 oz	28	0.1 h	0.2 p	0.1 m	8.5
Eagle/Daconil 3.5 oz	14	0.0 h	0.0 p	0.0 m	7.8
Eagle/Daconil 7 oz	28	0.8 h	0.0 p	0.0 m	7.3
S7511 32 oz	14	5.5 a-c	12.8 i-p	12.6 i-m	6.5
S7511 64.1 oz	14	2.2 gh	3.0 n-p	1.9 lm	7.5
S7511 128.2 oz	14	0.0 h	0.0 p	0.0 m	7.8
S3026 21.1 oz	14	4.8 f-h	10.5 k-p	10.5 j-m	6.3
S3026 42.3 oz	14	0.1 h	0.2 p	0.2 m	7.5
S3026 84.7 oz	14	0.0 h	0.0 p	0.0 m	7.8
S7221 0.31 oz	14	0.1 h	1.0 op	0.5 m	7.5
S7221 0.62 oz	14	0.0 h	0.1 p	0.3 m	7.5
S7221 1.25 oz	14	0.0 h	0.0 p	0.0 m	7.3
S9427 0.25 oz	14	0.0 h	0.1 p	0.2 m	7.5
S9427 0.5 oz	14	0.1 h	0.0 p	0.0 m	7.8
S9427 1 oz	14	0.0 h	0.0 p	0.0 m	7.8
AND710-00 32 oz	14	5.3 f-h	11.3 j-p	10.5 j-m	6.3
AND711-00 64.1 oz	14	0.4 h	1.1 op	1.5 lm	7.5
AND712-00 128.2 oz	14	0.0 h	0.0 p	0.0 m	8.0
AND713-00 21.1 oz	14	2.1 gh	4.0 m-p	3.6 lm	7.0
AND714-00 42.3 oz	14	0.1 h	0.1 p	0.1 m	7.8
AND715-00 84.7 oz	14	0.0 h	0.0 p	0.0 m	6.5
Dac. Ultrex 3.2 oz	14	1.4 gh	18.8 h-o	21.3 g-j	6.0
Lynx 45 WP 0.55	14	0.0 h	0.0 p	0.0 m	7.3
Lynx 45 WP .0278 + Dac. Ultrex 1.82	14	0.0 h	0.0 p	0.2 m	7.3
Control	--	33.8 a	55.0 a-c	47.5 a-c	2.5
Chipco 26GT 4 oz	14	0.1 h	1.5 op	2.6 lm	7.0

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

^b Quality rating scale: 10 = best, 0 = worst, 7 = acceptable.