

CONTROL OF POWDERY MILDEW ON MERION KENTUCKY BLUEGRASS

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The 1971 powdery mildew study was conducted on Merion Kentucky bluegrass grown in the shade on the north side of the Plant Pathology Fieldhouse. The plots were 4 x 6 and the treatments were replicated 3 times. The following treatments were applied on May 26: Tersan 1991 8 and 4 oz; EL-273 4 oz and TD 1604, 4 and 2 oz. The same treatments were applied on July 12 with the exception of TD 1604 which was replaced with TD 1771 at 4 and 2 oz rates. The results can be seen in Tables 1 and 2.

The results show that the 4 oz rate of EL-273 and the 8 oz rate of Tersan 1991 were the most effective materials for controlling powdery mildew over both the 6 and 4 week periods.

Table 1. The percent powdery mildew infection present in plots 6 weeks

Treatment	Rate/1000 sq. ft.	6 weeks 5/26-7/12	
		1,2 % infection	
EL-273	4 oz	0	a
Tersan 1991	8 oz	15	a
Tersan 1991	4 oz	50	b
TD 1604	4 oz	63	b c
TD 1604	2 oz	87	c
Check		87	c

1
treatments followed by same letter are not significantly different at the 5 % level

2
each figure represents an average of 3 replications

Table 2. The percent powdery mildew infection present in plots 4 weeks after treatment

Treatment	rate/1000 sq ft	4 weeks 7/12-8/12 % infection ^{1,2}
EL-273	4 oz	2 a
Tersan 1991	8 oz	7 a
TD 1771	4 oz	26 b
Tersan 1991	4 oz	33 b
TD 1771	2 oz	43 b
Check		90 c

¹ treatments followed by the same letter are not significantly different at the 5 % level

² each figure represents an average of 3 replications