

## Results: Fusarium Blight Fungicide Study

A severe outbreak of Fusarium blight did not occur during 1978 and by early September the entire area had recovered from previous seasons scars. This often happens to areas that have been severely affected with Fusarium blight, due to the extra care they receive (watering + fertility) from the attention drawn to the area by the research being conducted there. It also points out the importance of good cultural practices like watering and nitrogen fertility in the control of Fusarium blight.

## LLSE - Anthracnose Study - 1978

The LLSE - Anthracnose (Colletotrichum graminicola) study was applied on an annual bluegrass fairway on the Burroughs Farms Golf Course, Brighton, Mi. The fairway received normal maintenance except for fungicide and fertilizer treatments, which were applied only in conjunction with the experiment.

Treatments were applied monthly, except as noted on the data charts. The granular treatments were applied with a Scotts drop-type spreader while the LLSE and Tersan 1991 were applied with a CO<sub>2</sub> small-plot sprayer at a volume of 40 gal/acre. Treatments were applied to the plot on June 2, July 6, and August 8, except as noted on the data charts.

The ratings were made on September 6.

LLSE - Anthracnose Study 1 - 1978  
Burroughs Farms Golf Course

Plot area received: Urea (1/2 lb. N) 6/2, 7/6, 8/8  
Tersan 1991 (1 oz.) 7/6

Quality Rating Scale: 1, best -9, worst

<u>Treatment</u>	<u>Rate/1000 ft<sup>2</sup></u>	<u>Turf Quality</u>			AVE	(DMR)
		I	II	III		
LLSE (7/6 only)	1:150 dilution	2	1	1	1.3	A
LLSE (6/2 only)	1:150 dilution	2	1	1	1.3	A
LLSE (6/2 only)	1:75 dilution	2	1	1	1.3	A
LLSE (monthly)	1:150 dilution	1	1	2	1.3	A
LLSE (monthly)	1:75 dilution	1	3	1	1.7	A
Potassium (0-0-60) monthly	1 lb. K	3	1	1	1.7	A
LLSE (8/8 only)	1:150 dilution	3	1	2	2	AB
Phosphorus (0-20-0) monthly	1 lb. P	2	4	1	2.3	AB
LLSE (8/8 only)	1:75 dilution	4	2	1	2.3	AB
Check	---	5	2	1	2.7	AB
LLSE (7/6 only)	1:75 dilution	5	3	3	3.7	B

Note: Treatments followed by the same letter are not significantly different at the 5% level.

LLSE - Anthracnose Study 2 - 1978  
Burroughs Farms Golf Course

Plot area received: Urea (1 lb. N) 6/2, 7/6, 8/8  
Tersan 1991 (1 oz.) 7/6

Quality Rating Scale: 1, best -9, worst

<u>Treatment</u>	<u>Rate/1000 ft<sup>2</sup></u>	<u>Turf Quality</u>			AVE	(DMR)
		I	II	III		
Phosphorus (0-20-0) monthly	1 lb. P	1	3	2	2	A
LLSE (8/8 only)	1:150 dilution	1	1	5	2.3	A
LLSE (7/6 only)	1:150 dilution	1	6	1	2.7	A
LLSE (monthly)	1:75 dilution	3	3	4	3.3	A
LLSE (7/6 only)	1:75 dilution	1	4	5	3.3	A
LLSE (8/8 only)	1:75 dilution	1	4	5	3.3	A
Check	---	1	3	7	3.7	A
Potassium (0-0-60) monthly	1 lb. K	3	5	4	4	A
LLSE (monthly)	1:150 dilution	2	5	6	4.3	A
LLSE (6/2 only)	1:150 dilution	1	5	7	4.3	A
LLSE (6/2 only)	1:75 dilution	1	6	8	5	A

Note: Treatments followed by the same letter are not significantly different at the 5% level.

LLSE-Anthrachnose Study 3-1978  
Burroughs Farms Golf Course

Plot area received: Urea (1/2 lb. N) 6/2, 7/6, 8/8

Quality Rating Scale: 1, best - 9, worst

<u>Treatment</u>	<u>Rate/1000 ft<sup>2</sup></u>	<u>Turf Quality</u>			AVE	(DMR)
		I	II	III		
LLSE (monthly)	1:150 dilution	3	1	2	2	A
Check	--	3	1	2	2	A
LLSE (monthly)	1:75 dilution	5	1	2	2.7	AB
Phosphorus (0-20-0) monthly	1 lb. P	5	1	2	2.7	AB
LLSE (6/2 only)	1:150 dilution	6	1	2	3	AB
LLSE (8/8 only)	1:150 dilution	6	1	2	3	AB
LLSE (7/6 only)	1:75 dilution	6	1	3	3.3	AB
Potassium (0-0-60) monthly	1 lb. K	7	1	3	3.7	AB
LLSE (6/2 only)	1:75 dilution	8	1	2	3.7	AB
LLSE (7/6 only)	1:150 dilution	7	1	3	3.7	AB
LLSE (8/8 only)	1:75 dilution	8	2	3	4.3	B

Note: Treatments followed by the same letter are not significantly different at the 5% level.

LLSE-Anthrachnose Study 4 - 1978  
Burroughs Farms Golf Course

Plot area received: Urea (1 lb. N) 6/2, 7/6, 8/8

Quality Rating Scale: 1, best - 9, worst

<u>Treatment</u>	<u>Rate/1000 ft<sup>2</sup></u>	<u>Turf Quality</u>			AVE	(DMR)
		I	II	III		
Phosphorus (0-20-0) monthly	1 lb. P	1	3	2	2	A
LLSE (8/8 only)	1:150 dilution	1	1	5	2.3	A
LLSE (7/6 only)	1:150 dilution	1	6	1	2.7	A
LLSE (monthly)	1:75 dilution	3	3	4	3.3	A
LLSE (7/6 only)	1:75 dilution	1	4	5	3.3	A
LLSE (8/8 only)	1:75 dilution	1	4	5	3.3	A
Check	--	1	3	7	3.7	A
Potassium (0-0-60) monthly	1 lb. K	3	5	4	4	A
LLSE (monthly)	1:150 dilution	2	5	6	4.3	A
LLSE (6/2 only)	1:150 dilution	1	5	7	4.3	A
LLSE (6/2 only)	1:75 dilution	1	6	8	5	A

Note: Treatments followed by the same letter are not significantly different at the 5% level.