Treatment	Rate/1000ft[2b]	I	II	III	IV	Avg	Tukeys(.05)[a]
Ringer Turf Restore Fertilizer	1 lb. N./mo.	3	5	0	0	2	B
IBDU Fertilizer	1 lb. N./mo.	5	5	0	0	2.5	B
Sulfur-control Urea Fertilizer	1/2 lb. N./mo.	0	5	5	0	2.5	B
Ringer Ammon. Sulf. Fertilizer	1/2 lb. N./mo.	2	0	5	3	2.5	B
Ringer Turf Restore Fertilizer	1/2 lb N./mo.	5	3	0	3	2.8	B
Sentinel	.25 oz.	5	3	5	0	3.3	B
Banner	4 fl. oz.	3	0	0	10	3.3	B
Fungo 85	1.8 oz.	0	3	0	10	3.3	B
EXP 80318A	2 fl. oz.	5	5	3	3	4	B
IBDU Fertilizer	1/2 lb N./mo.	3	5	0	10	4.5	B
Eagle	0.6 oz.	3	5	3	10	5.3	B
ASC-67098-Z	3.6 oz.	3	10	0	10	5.8	B
EXP 10452A[c]	4 oz.	7	5	5	10	6.8	B
Control (Fert)	1/4 lb N./mo.	5	5	7	10	6.8	B
Bayleton	4 oz.	5	5	0	20	7.5	B
Rubigan	2 fl oz.	5	10	5	10	7.5	B
Fluazinam	1 oz.	3	10	0	20	8.3	B
Sentinel[c]	.33 oz.	3	7	15	10	8.8	B
Rubigan	4 fl. oz.	3	20	2	10	8.8	B
Fluazinam	2 oz.	7	3	25	7	10.5	B
Chipco 26019 (WDG)	2 oz.	5	10	25	10	12.5	AB
Banner	2 fl. oz.	5	25	3	20	13.3	AB
Control (unfert.)	--	5	35	30	40	27.5	A

[a]Treatments followed by the same letter are not significantly different from each other at the 5% level.
[b]Rates are formulation.
[c]Applied once only due to phytotoxicity.

Necrotic Ring Spot Fungicide Studies - 1994

Fertilizer/fungicide studies for the management of necrotic ring spot (*Leptosphaeria korrae*) were conducted on irrigated, previously diseased Kentucky bluegrass turf at the Blue Care Network headquarters in Lansing, MI and at the

Hancock Turfgrass Research Center on the MSU campus in East Lansing, MI. Experimental design and treatment application was as previously described in this report. The turfs were maintained at approximately 2" height of cut and were fertilized at 1/4 lb-3/4 lb N/1000 ft^2/mo. (except for fertilizer treatments) with Country Club fertilizer (18-4-10). Irrigation was provided as necessary to prevent wilt. Ratings were taken as percent recovery from original disease levels since disease symptoms were already present when the studies were established. Unfortunately, new disease pressure was mild in both studies, so statistical treatment separation was limited (Tables 7).

Necrotic Ring Spot Study #1 Blue Care Network Headquarters, Lansing, MI.

This study was initiated on May 25, 1994, with the application of the Sustane, Turf Restore, and IBDU treatments, which were re-applied monthly throughout the season. The fungicide treatments were applied twice, at monthly intervals beginning on August 1. This timing was based on past studies where we successfully controlled the disease outbreak that often appears in the fall. Ratings were taken on Oct. 1, 1994.

The test results in this study resemble the results we saw in our take-all studies where modest amounts of background fertility gave statistically significant disease control, compared with the unfertilized control treatment. The same was true of all other fertilizer and fungicide treatments (Table 8). Despite the statistical similarity between all treatments except the unfertilized control, there were dramatic differences in density and overall turfgrass quality, with the three fertility treatments at 1 lb. N/mo. exhibiting much better quality than all other treatments, which were more lightly fertilized.

No phytotoxicity was observed.

Table 7. Necrotic Ring Spot Study #1 - 1994

Blue Care Network Bldg., Lansing, MI

Rating scale: Percent recovery/plot from pretreatment disease levels.
Rating date: Oct. 12, 1994

Treatment	Rate/1000ft^{2b}	I	II	III	IV	Avg	Tukeys(.05)[a]
Turf Restore	1 lb. N(nitrogen)/mo.	100	100	100	100	100.0	A
Sustane	1 lb. N/mo.	100	100	100	100	100.0	A
IBDU Fertilizer	1 lb. N/mo.	100	100	100	100	100.0	A
Ch. 26019 (WDG)	4 oz.	50	100	80	100	82.5	A
ICIA 5504	0.2 oz.	27	67	100	100	81.0	A
EXP 10452A	4 oz.	80	80	100	63	80.8	A
EXP 10452A	2 oz.	75	67	100	57	74.8	A
Fluazinam	2 fl. oz.	67	60	100	50	69.3	A
RH-0611	10 oz.	29	40	100	100	67.3	A
Rubigan	4 fl. oz.	100	67	50	50	66.8	A
Banner	4 fl. oz.	60	60	33	100	63.3	A
ASC-67098Z	3.6 oz.	20	0	100	100	55.0	A
Eagle	0.6 oz.	50	12.5	100	50	53.1	A
Thatch X	3 lbs.	60	75	29	30	48.5	A

Treatment	Rate/1000ft[2b]	I	II	III	IV	Avg	Tukeys(.05)[a]
ICIA 5504	0.4 oz.	29	70	50	40	47.3	A
Fluazinam	1 fl. oz.	67	70	20	29	46.5	A
Control (fertilized)	0.75 lb. N./mo.	0	-20	25	100	26.3	A
Control (unfertilized)	--	-100	-25	0	-100	-56.3	B

[a]Treatments followed by same letter are not significantly different from each at the 5% level.
[b]Rates are formulation