

Stop 13 continued

Tee Grasses - Six grasses in 5' x 9' plots are maintained at a $\frac{1}{2}$ inch cut. Merion has consistently ranked highest. Pennlawn red fescue has performed better than Common Kentucky bluegrass at the $\frac{1}{2}$ inch height.

STOP 14

Prof. Stuart Hildebrand

Bluegrass Blends - Nine blends in 5' x 9' plots. This is a long term study to determine the possible advantages of blending bluegrass varieties to reduce disease problems. The blends containing Merion have ranked highest.

1964 PERFORMANCE OF NINE BLUEGRASS BLENDS

Merion	Percent Composition				Quality Rating* (1-best, 9-poorest)	Density Count 9/14/64 (Shoots per square inch)
	Common	Delta	Park	Newport		
50		50			1.3	7.4
50				50	1.3	9.1
76	6	6	6	6	1.4	8.0
50	50				1.5	7.8
33		33		33	1.6	8.9
20	20	20	20	20	1.8	8.7
16	90				2.0	8.3
		50		50	2.1	3.4
	33	33	33		3.1	8.9

* Average of monthly season ratings.

Ryegrass and Tall Fescue Variety Evaluations - Twenty-one varieties in 5' x 9' plots. Norlea, a dark green selection from Canada, continues to out-perform Common perennial ryegrass in seasonal quality, density, and winter hardiness. Norlea has a slightly improved mowing characteristic, but is susceptible to rust. The experimental selection MSU-15-Lp is promising.

Stop 14 continued

1964 RYEGRASS AND TALL FESCUE VARIETY PERFORMANCE

Variety	Quality Rating** (1-best; 9-poorest)	Density Counts 9/10/64 (Shoots per square inch)	Percent Winterhill
Perennial Ryegrass			
MSU-15 Lp*	1.4	5.9	15
MSU-8-Lp*	1.4	6.9	40
Norlea	1.7	6.7	8
S-23*	2.4	8.7	45
Pelo*	2.9	7.4	32
Common	5.2	5.0	35
Tall Fescue			
MSU-3-Fe*	1.3	6.5	16
MSU-5-Fe*	1.4	5.3	16
Syn A*	1.4	4.8	
Kentucky 31	2.3	3.4	16
Alta	2.5	2.8	15

* Experimental selections

** Average of monthly seasonal ratings

Kentucky 31 tall fescue continues to rank slightly better than Alta in turf quality and density. Several Michigan State selections plus Syn A from Canada are ranking much higher than the commercially available varieties.

STOP 15

Dr. Paul Rieke

Selecting a Fertilization Program - Soil fertility level is one aspect of a turf management program which can be controlled. There are many factors, however, which should be considered in selecting a fertilization program to supplement the natural soil fertility. These include:

1. Soil test - pH, phosphorus, potassium.
2. Season of year - Soil temperature, state of growth of grass.