

STOP 10

Dr. James Beard

Sodding and Seeding Practices - Plots were seeded (1#/1000 sq. ft.) and sodded with Merion on June 16 and 28, 1965. The west one-half of the seeded plots was straw-mulched (100#/11,000 sq. ft.) and the east one-half was not mulched. Three irrigation treatments were used: (a) daily at noon, (b) every three days, and (c) every 6 days. Note the comparative rates of establishment.

STOP 11

Tom Duff

Nitrogen-Potassium Fertility Studies - Nitrogen rates of 0, 4, 8, 12 and 16 pounds per 1000 sq. ft. per year and potassium rates of 0, 2, 4, 5 and 8 pounds per year were applied in all combinations to Toronto bentgrass and Kentucky bluegrass. The objective of this study is to evaluate the effects of these treatments on low temperature survival, turf wear, and turf quality.

STOP 12

Dr. Carter Harrison

Weedy Grass Identification - Tips on key plant structures in the identification of problem lawn weeds such as annual bluegrass, quackgrass, tall fescue, bentgrass, crabgrass, nimblewill and timothy.

STOP 13

Dr. Leyton Nelson

Mower Investigations - Reel and rotary mowers are being compared under four heights of cut: 1/2, 1, 1 1/2 and 2 inches. The study was initiated in the fall of 1962. Visual differences have been observed for two years with the rotary mowed plots having a browned appearance for 3 to 4 days after each mowing. To date no differences have been found in density.

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.