

STOP 1

Dr. James Beard

Bentgrass Variety Evaluations - Fourteen varieties in 10' x 16' plots maintained under putting green conditions. North 1/2 of each plot receives 4# of nitrogen per 1,000 sq. ft. per year and the south 1/2 receives 7#.

## 1964 BENTGRASS VARIETY PERFORMANCE

Variety	Quality Rating* (1-best, 9-poorest)	Density Count 10/6/64 (Shoots per square inch)
Congressional (C-19)	1.4	100
Cohansey (C-7)	1.5	89
Toronto (C-15)	2.1	88
Penncross**	2.5	81
Seaside**	3.5	87
Old Orchard (C-52)	3.6	72
Evansville	4.0	136
Astoria**	5.8	60
Washington (C-50)	6.2	55

\* Average of monthly seasonal ratings

\*\* Varieties established by seed

Congressional, Cohansey, and Toronto continue to rank as the best vegetative bentgrasses through the first three years. Penncross ranks as the top seeded bentgrass. Toronto does have a tendency to thatch, due to its vigorous growth habit, which could become a problem if not properly managed.

Note that the severity of yellow tufts is greatly reduced in comparison to the initial three seasons. Evansville, Seaside, and Cohansey proved to be much more susceptible to snow mold (*Typhula* sp.). Congressional, Toronto, and Washington were the most resistant to snow mold.

Evansville and Iagreen show an excessive tendency to thatch. Cohansey, Toronto, and Penncross ranked best in spring green-up.

Bentgrass Strain Evaluations - Thirty-six experimental selections in 4' x 4' plots are being evaluated for potential commercial use. Holfiar, a seed, colonial bent from the Netherlands, shows promise. Others to note are MSU-28-Ap from Michigan State, NJ-55-4 from Rutgers, Exeter from Rhode Island, K(42)3 from Penn State, and Springfield from Kansas State. Note the performance of roughstalk bluegrass and creeping red fescue under  $\frac{1}{2}$  inch mowing.