equal in maturity to 'Merion' in Oregon tests. It forms a rather open sod since the plants are only weakly rhizomatous.

Troy has significantly out yielded 'Arboretum' and common Kentucky bluegrass in Montana. Troy bluegrass and birdsfoot trefoil pastures have provided long grazing seasons (137 days), high stocking rates (2.151 sheep grazing days per acre) and good daily gains (14 lbs per day for yearly ewes). In recent Canadian trials Troy was one of the highest yielding grasses in mixture with alfalfa.

Seed production of Troy will be limited to three generations from breeder seed, namely foundation, registered and certified seed. Breeder seed is maintained by the Montana Agricultural Experiment Station, Bozeman, Montana 59715.

REGISTRATION OF KENTUCKY 31
TALL FESCUE

E. N. Fergus and R. C. Buckner

'Kentucky 31' tall fescue (Festuca arundinacea Schreb.) is an ecotype collected in 1931 on the mountain farm of William M. Suiter in Menifee County, Ky. The population was under natural selection on the site when he purchased the farm ca. 1875 and presumably traces to seed purchased from a seedsman in Virginia. The grass was brought to the attention of the senior author in 1931 by local farmers who held it in high regard for pasture and erosion control.

The Kentucky Agricultural Experiment Station, after testing the ecotype under the experimental designation GI-31, gradually released Kentucky 31 beginning in 1942. In 1945 the cultivar was included in Kentucky's seed certification program.

Kentucky 31 is of medium maturity. Anthesis begins 7 days later than 'Fawn,' 3 to 5 days later than 'Alta,' and averages 5 days earlier than 'Kenwell' in Kentucky tests. The cultivar has a rather wide range of plant types, with leaves having medium-to-narrow width, tending to roll. It has a moderate amount of wax on leaf surfaces, giving the foliage a matte green texture. It is more resistant to most races of crown rust than Alta, 'Goat,' and Fawn tall fescue. It is resistant to stem and leaf wax on leaf surfaces, giving the foliage a matte green texture.

Seed of Kentucky 31 is available from the Kentucky Agricultural Experiment Station, University of Kentucky, Lexington, Ky. 40506.

Hancock is 2% higher. Specifically, the mean values for Hancock were 2.5% span length, 1.06 in.; tensile strength (T), 18.1 gf/tex; Micronaire Reading, 4.3; and yarn strength, 116 for 27 tex.

Mean values for fiber and spinning properties based on 12 tests over 4 years indicate that Hancock has slightly shorter, more uniform fibers than Dixie King. Hancock is 100% longer, 15% stronger, and has a higher Micronaire Reading. The mean values for Hancock were 2.5% span length, 1.06 in.; tensile strength (T), 18.1 gf/tex; Micronaire Reading, 4.3; and yarn strength, 116 for 27 tex.

Hancock has produced high yields on many wilt-free soils. Mean values for fiber and spinning properties from tests over 4 years indicate that Hancock has longer, stronger fibers than 'Dixie King II.' Hancock is 2% higher. Specifically, the mean values for Hancock were 2.5% span length, 1.06 in.; tensile strength (T), 18.1 gf/tex; Micronaire Reading, 4.3; and yarn strength, 116 for 27 tex.

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