REGISTRATION OF 'CP 78-1628' SUGARCANE

'CP 78-1628' sugarcane (a complex hybrid of Saccharum officinarum L., S. spontaneum L., S. barberi Roxb. amend Jeswiet) (Reg. no. CV-82, PI 542105) was selected from progeny of a cross of 'CP 65-1333' and an unnamed stalk variety (Reg. no. CV-81, PI 542104) X 'CP 68-1026' (2) made at Canal Point, FL, in December 1975. CP 78-1628 was developed through cooperative research by the USDA-ARS, the Institute of Food and Agricultural Sciences (IFAS) of the University of Florida, and the Florida Sugar Cane League, Inc., Clewiston, FL 33440. Registration by CSSA. Accepted 30 June 1990. *Corresponding author.


Seed cane of CP 78-1628 will be maintained by USDA-ARS at the Sugarcane Field Station, Canal Point, FL.


References and Notes


REGISTRATION OF 'KYLE' DURUM WHEAT

'KYLE' spring durum wheat, Triticum turgidum L. var. durum Desf. (Reg. no. CV-754, PI 537310), was developed at the Agriculture Canada Research Station at Swift Current, SK, as part of the South Saskatchewan Wheat Breeding Program. License no. 2433 was issued for Kyle in 1984 by the Plant Health and Plant Products Directorate, Food Production and Inspection Branch, Agriculture Canada.

Kyle derives from a single F2 plant selected from a cross made in 1974 between two selections from crosses made in 1969 of 'Wakooma' with DT320 (Blue Giant/2*Lakota) and DT322 (Blue Giant/4*Lakota). Its parentage is Wakooma/DT322/Wakooma/DT320. It was developed by a modified pedigree method, in which leaf and stem rust resistant single plants were selected in the F2. Testing and selecting were done in the F3, F4, and F5 generations under the designations 7466-CF4B for grain yield, rust resistance, and pasta quality. The F3, F4, F5, and F6 generations were grown in a winter nursery in Brawley, CA. It was tested in the Durum Wheat Cooperative test as DT375 from 1981 to 1983.

Based on 16 location-years of testing in the Brown and Dark Brown soils zones of Saskatchewan and Alberta, the grain yield of Kyle was 107% of Wakooma and 107% of Wakooma and 'Coulter' in 14 location-years of testing. Kyle is slightly later maturing, ≈3 cm taller, and more susceptible to lodging than Wakooma.

Spikes of Kyle have glabrous, white glumes. Awns are long and spreading and are usually black at maturity. The kernels are medium in size, weighing (on average) ≈2 mg more than Wakooma and ≈2.5 mg less than 'Hercules'. The straw of Kyle has hollow internodes, little or no anthocyanin coloration, and medium thickness. Kyle is resistant to the prevalent races of leaf and stem rust (caused by Puccinia recondita Roberge ex Desmaz. and P. graminis Pers.; Pers., respectively) and bunt (caused by Tilletia laevis Kühn in Rabenh.) and T. caries (DC.) Tul. & C. Tul.). It is susceptible to loose smut (caused by Ustilago tritici (Pers.) Rostr.; mod-

References and Notes


