Plans are being made to submit application for registration and variety protection of Newbonnet under P.L. 91-577 with the certification option.


References and Notes

10. Formerly research agronomist, USDA-ARS, Stuttg, Ark. 72165; assistant professor and associate professor, Univ. of Arkansas Rice Res. and Ext. Ctr. (UA-RREC), Stuttgart; professor, Arkansas Agric. Exp. Stn., Fayetteville, Ark.; research assistant, UA-RREC, Stuttgart; and research geneticist, USDA-ARS, Stuttgart; respectively. Cooperative investigation of the USDA-ARS and Arkansas Agric. Exp. Stn. Registration by the Crop Sci. Soc. of Am. Accepted 29 July 1983.

REGISTRATION OF CP 74-2005 SUGARCANE

The sugarcane cultivar 'CP 74-2005' (Reg. no. 62) was selected from the cross CP 66-1043 X 'CP 63-588,' that was made in December 1972. It is a complex trispecies hybrid of Saccharum officinarum L., S. spontaneum L., and S. barberi Jeswiet. CP 74-2005 was developed through the cooperative research of the USDA-ARS, the University of Florida—Institute of Food and Agricultural Sciences, and the Florida Sugar Cane League, Inc. and was released to the sugar industry in the fall of 1982.

CP 74-2005 is an excellent-ratooning, high-tonnage, high-sucrose, and late-flowering cultivar with slightly better tonnage than CP 63-588, the check cultivar. In the average of 23 replicated tests (7 plant cane, 8 first ratoon, and 8 second ratoon) on Terra Ceia, Pahokee, Lauderhill, and Torry muck and on Pompano fine sand, CP 72-2086 produced 5.6% more tonnes of cane per hectare and 12.6 and 7.5% more indicated sugar per hectare at early and late harvests, respectively, than did CP 63-588. CP 74-2005 has a millability factor of 0.98 compared to a 1.00 for CP 63-588. CP 72-2086 has adequate resistance (for commercial production in Florida) to sugarcane mosaic virus, leaf scald [caused by Xanthomonas axonopodis (Ashby) Dowson], eye spot [caused by Bipolaris sacchari (Butler) Shoemaker], rust [caused by Puccinia melanocephala H. Syd. & P. Syd.], and smut [caused by Ustilago scitaminea Sydow]. Seedcane of CP 74-2005 will be maintained by the USDA-ARS at the Sugarcane Field Stn., Canal Point, Fla.

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References and Notes

1. Research geneticist, research geneticist, agronomist, and research plant pathologist, respectively, USDA-ARS, Sugarcane Field Station, Canal Point, FL 53450; and assistant professor, Univ. of Florida, Agric. Res. and Educ. Ctr., Belle Glade, FL 33430. Registration by the Crop Sci. Soc. of Am. Accepted 29 Aug. 1983.

REGISTRATION OF OWENS WHEAT

'Owens' soft white spring wheat (Triticum aestivum L.) (Reg. no. 680), C1 17904, was named in honor of Dr. Edward Owens, deceased former superintendent of the University of Idaho Aberdeen Research and Extension Center (1955 to 1977). His willing cooperation helped make the cultivar development program a success. Owens was developed cooperatively by the USDA-ARS and the Idaho Agricultural Experiment Station.

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References and Notes

1. Research geneticist, research geneticist, agronomist, and research plant pathologist, respectively, USDA-ARS, Sugarcane Field Station, Canal Point, FL 53450; and assistant professor, Univ. of Florida, Agric. Res. and Educ. Ctr., Belle Glade, FL 33430. Registration by the Crop Sci. Soc. of Am. Accepted 29 Aug. 1983.