leaf spot (caused by Cercospora sojina K. Hara: syn. C. daizu Miura), and moderately resistant to sudden death syndrome [caused by Fusarium solani (Mart.) Sacc.].

The Tennessee Agricultural Experiment Station will maintain Breeder seed. Small samples (200 seeds) of TN 5-95 can be obtained from the correspondign author for at least 5 yr. U.S. plant variety protection of TN 5-95 has been applied for (PVP Certificate no. 9700340).

F.L. Allen, D. Qian, L.D. Young, D. Landau-Ellis, and V.R. Pantalone* (5)

References and Notes

5. F.L. Allen, D.Qian, D. Landau-Ellis, and V.R. Pantalone, Dep. of Plant and Soil Sciences, P.O. Box 1071, University of Tennessee, Knoxville, TN 37901-1071; L.D. Young, USDA, ARS, 605 Airways Blvd., Jackson, TN 38301. Registration by CSSA. Accepted 31 Aug. 1999. *Corresponding author (vpantalo@utk.edu).


Registration of 'CP 88-1540' Sugarcane

'CP 88-1540' sugarcane (a complex hybrid of Saccharum officinarum L., S. barberi Jeswiet, S. spontaneum L., and S. sinense Roxb. Emend. Jeswiet) (Reg. no. CV-107, PI 607916) was selected from progeny of the cross 'CP 81-1238' (1) × CP 78-1610 made at Canal Point, FL, in December 1985. CP 88-1540 was developed through cooperative research by the USDA-ARS, the Institute of Food and Agricultural Sciences of the University of Florida, and the Florida Sugar Cane League, Inc., and was released in the fall of 1996.

CP 88-1540 has a very heavy wax band immediately below the growth ring. Stalks exposed to the sun are yellow.

The stalk weight of CP 88-1540 averaged over three crops (plant-cane, first-ratoon and second-ratoon) exceeded that of 'CP 70-1133' (2) by 5% and that of 'CP 72-1210' (3) by 32%. Average sugar yield of CP 88-1540 exceeded that of 'CP 70-1133' by 5% and that of 'CP 72-1210' by 32%. Average sugar yield of CP 88-1540 exceeded that of 'CP 70-1133' by 11% and that of 'CP 72-1210' by 37%. CP 88-1540 has a fiber content of 10.19% compared with 10.37% for CP 72-1210. Sugar yield of CP 88-1540 exceeded that of CP 70-1133 by 4% and that of CP 72-1210 by 32%. Average cane yield of CP 88-1540 exceeded that of CP 70-1133 by 7% and that of CP 72-1210 by 32%. Average sugar yield of CP 88-1540 exceeded that of CP 70-1133 by 11% and that of CP 72-1210 by 37%. CP 88-1540 has a fiber content of 10.19% compared with 10.37% for CP 72-1210.


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Registration of 'CP 88-1834' Sugarcane

'CP 88-1834' sugarcane (a complex hybrid of Saccharum officinarum L., S. barberi Jeswiet, S. spontaneum L., and S. sinense Roxb. Emend. Jeswiet) (Reg. no. CV-108, PI 607917) was selected from progeny of the cross 'CP 81-30' × LCP 81-30 made at Canal Point, FL in December 1985. CP 88-1834 was developed through cooperative research by the USDA-ARS, the Institute of Food and Agricultural Sciences of the University of Florida, and the Florida Sugar Cane League, Inc., and was released in the fall of 1996.

Internodes newly exposed to the sun are maroon but become maroon to brown after long exposure. CP 88-1834 has a very heavy wax band immediately below the growth ring. Leaf sheaths have some traces of maroon but usually extend to the growth ring or slightly beyond.

The stalk weight of CP 88-1834 averaged over three crops (plant-cane, first-ratoon and second-ratoon) exceeded that of 'CP 70-1133' (2) by 5% and that of 'CP 72-1210' (3) by 16%. The commercial checks, CP 88-1834, was selected from nine locations in the plant cane and first-ratoon crops, and at six locations in the second-ratoon crop. Yield tests on organic soils, the sugar content of CP 88-1834 was 99% of that of CP 70-1133 and 96% of CP 72-1210. Average cane yield of CP 88-1834 exceeded that of CP 70-1133 by 6% and that of CP 72-1210 by 37%. Average cane yield of CP 88-1834 exceeded that of CP 70-1133 by 6% and that of CP 72-1210 by 37%. Average cane yield of CP 88-1834 exceeded that of CP 70-1133 by 6% and that of CP 72-1210 by 37%. In five replicated tests on organic soils, CP 88-1834 had about equal sugar content compared with CP 70-1133 but was only 98% of CP 72-1210. CP 88-1834 exceeded that of CP 70-1133 by 5% and that of CP 72-1210 by 31%. Sugar yield of CP 88-1834 exceeded that of CP 70-1133 by 2% and that of CP 72-1210 by 16%. Registration by CSSA. Accepted 31 July 1999. *Corresponding author.

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