REGISTRATION OF 'BORDER' OATS

'BORDER' spring oats (Avena sativa L.) (Reg. no. 314, PI 467882) was developed cooperatively by USDA-ARS and the Idaho and Wyoming Agricultural Experiment Stations and released in 1982 by the Wyoming Agricultural Experiment Station and USDA-ARS.

Border is from a cross of ‘Otana’//Coker X848-1-1-2// ‘Cayuse’ made at Aberdeen, ID in 1971. The F₄ line that became Border was selected at Aberdeen in 1974 and tested as 74Ab2300. It was first tested in replicated trials in Idaho in 1975, entered in the Uniform Northwestern States Oat Nursery in 1977, and in Wyoming trials in 1978.

Border is a midseason spring oat with good lodging resistance. Juvenile plant growth is erect and panicles are equilateral. Leaf sheath, leaf margins, and culm internodes are glabrous. Kernels are large and creamy-white with mid-long rachillas. The kernels are similar to Otana in color and shape, but awns frequently occur on primary kernels of Border, whereas awns are usually absent in Otana.

Border was similar to Cayuse and 2.6 kg/ha lower than Otana in test weight when tested in the irrigated and dryland Uniform Northwestern States Oat Nursery locations in 1977 to 1981. It averaged 2.5-cm shorter than Cayuse and about 13-cm shorter than Otana, and headed 1 or 2 days later than Cayuse. Border is similar to Cayuse in caryopsis percentage and protein content.

In 4 yr of irrigated tests in the Uniform Northwestern States Oat Nursery, Border yielded 1% more than Cayuse and 7% more than Otana. In similar tests on dryland, Border yielded 102% of Cayuse and 109% of Otana.

Breeder and foundation seed is available from the Seed Certification Manager, Sheridan Research and Extension Center, P.O. Box 2005, Sheridan, WY 82801.

B. J. KOLP AND D. M. WESENBERG (1)

References and Notes

1. Professor of plant breeding, Plant Sci. Dep., College of Agric., Univ. of Wyoming, P.O. Box 3354, Univ. Station, Laramie, WY 82071; and research agronomist, USDA-ARS, Univ. of Idaho Aberdeen Res. and Ext. Ctr., P.O. Box AA, Aberdeen, ID 83210. Wyoming Agric. Exp. Stn. research paper no. 1335. Registration by the Crop Sci. Soc. of Am. Accepted 30 May 1986.

We gratefully acknowledge the assistance of R.M. Hayes, USDA-ARS agricultural research technician (retired), Aberdeen, ID, in the development and evaluation of Border.

REGISTRATION OF 'KENOAT' WINTER OAT

'KENOAT', CI 9136, is a winter oat cultivar (Avena sativa L.) (Reg. no. 315) developed by the Department of Agronomy, University of Kentucky, and released in 1981. The

References and Notes

1. Professor emeritus, assistant professor, and research scientist, Agronomy, Univ. of Kentucky, Lexington, KY 40546-0091.

REGISTRATION OF 'CP 75-1082' SUGARCANE

'CP 75-1082' sugarcane (a complex trispecies of Saccharum officinarum L., S. spontaneum L., and S. barberi L., Jeswiet) (Reg. no. 69) was developed through research by the USDA-ARS, the Institute of Agricultural Sciences of the University of Florida, and the Florida Sugar Cane League, and released in 1984. CP 75-1082 was selected from progeny of the cross 'CP 68-1067'//Ashby//S. barberi//Jeswiet' Shoemaker and certified. Breeder and foundation seed will be maintained by the Kentucky Foundation, Department of Agronomy, University of Kentucky, Lexington, KY 40546-0091.

V. C. FINKNER, D. A. VAN SANFORD, AND C. R. TUTT (1)

References and Notes

1. Professor of plant breeding, Plant Sci. Dep., College of Agric., Univ. of Wyoming, P.O. Box 3354, Univ. Station, Laramie, WY 82071; and research agronomist, USDA-ARS, Univ. of Idaho Aberdeen Res. and Ext. Ctr., P.O. Box AA, Aberdeen, ID 83210. Wyoming Agric. Exp. Stn. research paper no. 1335. Registration by the Crop Sci. Soc. of Am. Accepted 30 May 1986.

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