REGISTRATION OF ‘HEARTLAND’ BARLEY

‘Heartland’ barley (Reg. no. 200) (Hordeum vulgare L.) (Canadian Reg. no. 2434) was developed by the Agriculture Canada Research Station, Brandon, Manitoba, Canada, and released 25 July 1984. It was tested as BT 346 and originated as a single F₄ plant derived from the cross ‘Klon-dike’/BT 416, made by R.I. Wolfe.

Heartland is a six-rowed spring barley with smooth awns. The covered kernels have white (yellow) aleurone; long glume awns with short, sparse glume hairs; and short, long-haired rachillas. The spike is mid-long, semi-erect, and semi-lax. Heartland is mid-maturing with short, strong straw. It is resistant to Pyrenophora teres (Died) Dresch., Puccinia graminis f. sp. tritici Erics. and E. Henn., and moderately resistant to Ustilago nuda (Jens.) Rostr. It does not meet quality standards for Canada Western (CW) malting grades, but is eligible for all other Western Canadian barley grades, including no. one feed.

Heartland has yielded 11 and 17% more than ‘Bonanza’ and ‘Diamond’, respectively, and equal to ‘Bedford’. Test weight is equal to Bedford and higher than Diamond. Heartland has kernel plumpness between that of Bonanza and Bedford. Straw strength of Heartland is equal to that of Bedford, while straw length is less than Bedford, Bonanza, or Diamond by a minimum of 10 cm. On the average, Heartland matures 1 day later than Bonanza.

This cultivar is named for its area of best adaptation, that being eastern Saskatchewan and western Manitoba, the Canadian “heartland”. Breeder seed will be maintained by the Seed Section, Agriculture Canada Research Sub-station, Indian Head, Saskatchewan, and Foundation seed will be distributed by Secan (Canada) Association, Ottawa, Ontario.

M. C. Therrien, R. B. Irvine, K. W. Campbell, and R. I. Wolfe

REGISTRATION OF ‘SANTA CRUZ’ GUAR

‘Santa Cruz’ Guar (Cyamopsis tetragonoloba (L.) Taub.) (Reg. no. 7) was developed and released cooperatively by the Arizona Agricultural Experiment Station and the USDA-ARS in 1984.

Santa Cruz is a result of testing and development of a breeding line TX78-3695 (Reg. no. GP-2) (1), released by ARS in 1984. ‘Santa Cruz’ Guar is a result of testing and development of a breeding line TX78-3695 (Reg. no. GP-2) (1), released by ARS in 1984. The TX78-3695 cultivar was released by ARS in 1984.

Santa Cruz is a result of testing and development of a breeding line TX78-3695 (Reg. no. GP-2) (1), released by ARS in 1984. The TX78-3695 cultivar was released by ARS in 1984. The TX78-3695 cultivar was released by ARS in 1984. The TX78-3695 cultivar was released by ARS in 1984. The TX78-3695 cultivar was released by ARS in 1984.

References and Notes

1. Manager, USDA-SCS Plant Materials Center, Knox CityPMC. Breeder seed will be maintained by the Knox City PMC. Breeder seed will be maintained by the Knox City PMC.