REGISTRATION OF ‘PORTOLA’ WHEAT

‘PORTOLA’, CI17415, (*Triticum aestivum* L.) (Reg. no. 701) was developed jointly by International Maize and Wheat Improvement Center (CIMMYT) and the California Agricultural Experiment Station, and was released in California in 1975. Portola was selected from the cross (‘Ciano’-‘Siete Cerros 66’ X Ciano-’Penjamo 62’) which produced a group of lines known as Jilguero at CIMMYT. The cross and selection number of the line named Portola is II-25917-13Y-13M-1Y-OM-(1-44D). Portola was reselected from an F₆ line and 44 progenies were composited to produce breeders seed. This line was tested in California as D7159. Performance data were published in 1975 (1). Portola was considered to be a replacement for ‘Anza’ at the time of its release because of its generally higher grain protein content, and better milling and baking performance. However, its grain yield was lower in some trials and Portola tended to lodge more than Anza in highly productive environments. Its shatter resistance was less than Anza, but better than ‘Inia 66R’ or ‘Yecora Rojo’. Portola is an early maturing cultivar with spring growth habit, being 6 to 8 days earlier than Anza in time of heading.

The grain of Portola is red, hard, and gives a high test weight. The spikes are white, fully awned, moderately dense, and tend to nod at maturity. The peduncle is S-shaped. Glume awns are intermediate in length (3 to 5 mm), compared to Anza and Inia 66R (1 to 3 mm), which have short glume awns, and Yecora Rojo and ‘Cajeme 71’ (8 to 10 mm), which have long glume awns. Portola is a short-statured cultivar, about 90 to 100 cm in most environments in California; it is equal to Anza, but about 5- to 10-cm taller than Yecora Rojo and 10-cm shorter than Inia 66R.

Seed stocks are maintained by the Foundation Seed and Plant Materials Service, University of California, Davis.

C. O. Qualset, H. E. Vogt, and N. E. Borlaug (2)

References and Notes


2. Professor and staff research associate, Dep. of Agronomy and Range Sci., Univ. of California, Davis, CA 95616; former director Wheat Program, CIMMYT, Apd. 6-641, Londres 40, Mexico 6, DF Mexico. Registration by the Crop Sci. Soc. of Am. Accepted 9 May 1985.

REGISTRATION OF ‘YECORA ROJO’ WHEAT

‘YECORA ROJO’, CI 17414, wheat (*Triticum aestivum* L.) (Reg. no. 702) was released by the California Agricultural Experiment Station in 1975. It was developed by the International Maize and Wheat Improvement Center (CIMMYT), in Mexico, and introduced into California in 1975. Portola was selected from the cross (‘Ciano’-‘Siete Cerros 66’ X Ciano-’Penjamo 62’) which produced a group of lines known as Jilguero at CIMMYT. The cross and selection number of the line named Portola is II-25917-13Y-13M-1Y-OM-(1-44D). Portola was reselected from an F₆ line and 44 progenies were composited to produce breeders seed. This line was tested in California as D7159. Performance data were published in 1975 (1). Portola was considered to be a replacement for ‘Anza’ at the time of its release because of its generally higher grain protein content, and better milling and baking performance. However, its grain yield was lower in some trials and Portola tended to lodge more than Anza in highly productive environments. Its shatter resistance was less than Anza, but better than ‘Inia 66R’ or ‘Yecora Rojo’. Portola is an early maturing cultivar with spring growth habit, being 6 to 8 days earlier than Anza in time of heading.

The grain of Portola is red, hard, and gives a high test weight. The spikes are white, fully awned, moderately dense, and tend to nod at maturity. The peduncle is S-shaped. Glume awns are intermediate in length (3 to 5 mm), compared to Anza and Inia 66R (1 to 3 mm), which have short glume awns, and Yecora Rojo and ‘Cajeme 71’ (8 to 10 mm), which have long glume awns. Portola is a short-statured cultivar, about 90 to 100 cm in most environments in California; it is equal to Anza, but about 5- to 10-cm taller than Yecora Rojo and 10-cm shorter than Inia 66R.

Seed stocks are maintained by the Foundation Seed and Plant Materials Service, University of California, Davis.

C. O. Qualset, H. E. Vogt, and N. E. Borlaug (2)

References and Notes


2. Professor and staff research associate, Dep. of Agronomy and Range Sci., Univ. of California, Davis, CA 95616; former director Wheat Program, CIMMYT, Apd. 6-641, Londres 40, Mexico 6, DF Mexico. Registration by the Crop Sci. Soc. of Am. Accepted 9 May 1985.