Four classes of certified seed will be recognized for the cultivar Newcale: breeder, foundation, registered, and certified. Breeder seed will be maintained by the Nebraska Agricultural Experiment Station. Foundation seed will be available from the Foundation Seed Division, Department of Agronomy, University of Nebraska, Lincoln, NE 68583. Newcale will not be protected under the Plant Variety Protection Act, Public Law 91-577.

P. S. BAENZIGER* AND J. W. SCHMIDT (1)

References and Notes


REGISTRATION OF 'FRANK' SPRING TRITICALE

'FRANK' (Reg. no. CV-9, PI 540253) is a hexaploid spring triticale (× Triticosecale Wittmack) cultivar developed by the Research Station, Research Branch, Agriculture Canada, Swift Current, SK. Registration no. 2982 was issued for Frank in August 1988 by the Plant Health and Plant Products Directorate, Food Production and Inspection Branch of Agriculture Canada. This cultivar represents improvements in grain yield and test weight over other available cultivars.

Frank was selected from a cross made in 1979 between 7634-246E3, a selection from an F2 introduction from CIMMYT ('Beagle' "S"/8*MII-Beagle S), and 7631-CJ, a selection from a cross of two selections introduced from the University of Manitoba. 7631-CJ was derived from PF-212-CIMMYT/2/'Mesela' (R.T.119)'/Beaver' "S" M.S.

Modified pedigree and early-generation yield testing procedures were used to develop Frank. The F2 was space planted and single disease-resistant plants were selected. In each of the F3, F4, and F5 generations, selections were evaluated in replicated tests at two locations for grain yield, agronomic characteristics, and milling characteristics. The F6, F7, F8, and F9 generations were grown in a winter nursery at Ciudad Obregon, Mexico, or Brawley, CA. An F6-derived F8 line designated 7937-CA3A was evaluated in the pre-cooperative test and subsequently in the Canadian Western Triticale Cooperative test as T59 from 1985 to 1987, inclusively.

In 38 location-yr of testing, Frank exceeded the grain yield of 'Wapiti' and 'Carman' by 3 and 16%, respectively. The test weight of Frank (69 kg hL-1) represents a 5 and 2 kg hL-1 improvement over Carman and Wapiti, respectively. The straw is strong relative to the check, Carman, and of medium height (averaging 8 cm shorter than Carman), and the straw is very resistant to snow mold and bunt were derived from PI 476212. Blizzard is very resistant to current races of common and brown rust caused by races of Puccinia triticina and Puccinia graminis f. sp. tritici, respectively. Spikes of Blizzard are awned, oblong, mid-long, and tapered. The glumes are of medium width, long, and narrow and glume beaks narrow and acuminate. The kernel is red and of medium hardness; it is oval and slightly larger than those of Carman.

References and Notes


REGISTRATION OF 'BLIZZARD' WHEAT

'BLIZZARD' (Reg. no. CV-757, PI 512302) is a hard red winter wheat (Triticum aestivum L) developed by the University of Idaho and USDA-ARS at Aberdeen and released by the Idaho and Oregon Agricultural Experiment Stations and the USDA-ARS in February 1989.

Blizzard was selected from a cross of A68230W-A1-6-1 that was made in 1974 and derived from a cross of Utah 216c-12-10/'Cheyenne'/5/PI 512, 885 Meadowlands Drive, Ottawa, ON K2C 3N2. The multiplication and distribution of Blizzard will be conducted by SeCan Association, Suite 512, 885 Meadowlands Drive, Ottawa, ON K2C 3N2. Foundation seed will be available from the Foundation Seed Division, Department of Agronomy, University of Nebraska, Lincoln, NE 68583. Newcale will not be protected under the Plant Variety Protection Act, Public Law 91-577.


References and Notes
