Severn is an early maturing cultivar, equivalent to Arthur and about 5 to 6 days earlier than ‘Potomac’ in Maryland. Severn is medium in height (102 cm) and straw strength. The spike is apically awnleted and relatively short (7.7 cm, range 5.6 to 9.1 cm) and erect. Glumes are generally white with a small percentage (4%) of brown chaff types. The kernels are midsize, soft, and ovate. Winter survival in the Middle Atlantic region is excellent.

Yield performance from 24 tests conducted from 1976 to 1981 in Maryland shows Severn to average 458 and 141 kg/ha more than Arthur and Potomac, respectively. In the Uniform Southern Soft Red Winter Wheat Nursery, Severn has yielded 202 kg/ha greater than ‘Arthur 71’ in a total of 54 environments in 2 years of testing (1979-1980).

The grain of Severn is consistently excellent in test weight (76.1 kg/hl), and comparable to that of Arthur. Additionally Severn has exhibited outstanding soft wheat baking and milling quality characteristics in tests conducted at the USDA-ARS Soft Wheat Quality Laboratory in Wooster, Ohio. The laboratory observed that Severn has unusually high flour yield, averaging over 78% straight-grade flour yield over 2 years (1979-1980) of testing of composite samples from locations throughout the southeastern USA.

Severn is moderately resistant to powdery mildew (caused by Erysiphe graminis D.C. f. sp. tritici em. Marchal). It is also resistant to stem rust (caused by Puccinia graminis Pers.). Severn is susceptible to leaf rust (caused by Puccinia recondita Rob. ex. Desm.).

The Maryland Agric. Exp. Stn., College Park, MD 20742, will maintain breeder seed of Severn. Foundation seed was distributed to registered seed producers in 1981 by the Maryland Crop Improvement Assoc.

REGISTRATION OF ROSE WHEAT
(Reg. No. 662)

D. G. Wells, J. J. Bonnemann, W. S. Gardner, K. F. Finney, H. A. Geise, and C. E. Stymiest

‘Rose’ wheat, Triticum aestivum L., CI17795, is a hard red winter cultivar developed by the South Dakota Agricultural Experiment Station.

Rose was derived from the cross ‘Seu Seun’/‘Denton 8’/‘Westmont’4’/‘Hume’3/NE63265 (‘Seu Seun 27’/3’/’Oro’/‘Minhardt’/’Hope’4’/‘Red Chief’/‘Pawnee’/‘Cheyenne’). During testing, Rose was designated SD7279. The cross to Hume was made in 1968.

The winter survival of Rose has usually been as good or better than that of ‘Winoka’ but not as good as ‘Roughrider’ and ‘Froid’. Rose is harder than ‘Centurk’ and the ‘Scout’ types which may make it popular in parts of the northern Great Plains where insufficient hardiness is a problem.

Rose heads about 2 days earlier than Roughrider but some-