

REPORT OF THE NATIONAL CERTIFIED SMALL GRAIN VARIETY REVIEW BOARD

The National Small Grain Variety Review Board has considered applications and has determined that the following variety is eligible for certification.

VARIETY

S76 Soft Red Winter Wheat

Charles F. Hayward
Pioneer Hi-Bred International
Plant Breeding Division
Route 2
Hutchinson, KS 67501

Information requested on the application and submitted by the applicant is given below. The applicant should be contacted if additional information is desired.

S76 SOFT RED WINTER WHEAT

1. S76 is a common soft red winter wheat; it averaged two days later than Arthur 71 in flowering in nursery trials in 1973/4. At Tipton, Indiana, when seeded about October 1, the average first flowering is May 28, or about 230 days after emergence; the last flowering averages about six days later. Environmental factors influence flowering of varieties differently.

S76 has averaged 96 cm. in height, about 8 cm. shorter than Arthur 71 and 18 cm. shorter than Stoddard. At booting stage, the plant color of S76 is green, similar to Arthur 71. Anther color is yellow like Arthur. Spikes are mid-dense (lax), fusiform, awned, white to light yellow, and generally nodding at maturity. Awns are rough and six to eight cm. in length.

Kernels are red in color, ovate in shape, with rounded cheeks and a mid-deep crease. Kernels tend to be longer and more narrow than most soft wheats, tending to be shaped more like the soft wheat Hart and the hard wheat Parker. The brush is medium in size and mid-long.

S76 is an awned variety. Variants of S76 that can be expected are 1) a small number of awnless or awnletted (1/1000) and 2) a small number of taller plants (1/1000).

2. S76 is adapted to the Eastern soft wheat region of the USA.
3. Breeder seed will be maintained by Pioneer Hi-Bred International, Inc. Three generations beyond Breeder seed will be used (Foundation, Registered, and Certified). Only Certified seed will be sold by Pioneer to farmers, and Certified will not be eligible for recertification.

4. Application will be made to the Plant Variety Protection Office, specifying sale of S76 only as a class of certified seed.
5. Seed of the Certified class will be offered for sale in 1976.