REGISTRATION OF BUCKSKIN WHEAT¹
(Reg. No. 572)

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'Buckskin' wheat (*Triticum aestivum* L. em Thell.), CI 17263, is a hard red winter wheat selected in the *F₂* generation from the cross 'Scout'/‘Kviva’/‘Tenmarq’/‘Marquillo’/‘Oro’ made in 1962 at the Nebraska Agric. Exp. Stn. It was developed cooperatively by the Nebraska Agric. Exp. Stn. and the ARS-USDA, and tested in the Southern Regional Performance Nursery as Nebraska Selection 68435.

Buckskin is a moderately early winter wheat. It is slightly taller than 'Scout 66' but has stronger straw. The spike is white, awned, tapering, long, midsdense, and nodding at maturity. Glumes are white, glabrous, short, and narrow, with shoulders narrow and square to oblique. Beaks are long and acuminate. Awn length is 5 to 9 cm, and awn color may range from white to brown or black, depending on environmental conditions. The kernels are red, medium hard, ovate and short to midlong; germ midsized; crease shallow; cheeks rounded; brush medium and not collared.

Buckskin has a high yield potential over a range of environments. It is less winterhardy than Scout 66. It is susceptible to leaf rust, [*Puccinia rubigo-vera* (DC.) Wint. f. sp. *triticum* (Eriks.) Carl.] and wheat streak mosaic virus (*Marmor virgatum* McVary. *typicum* McK.), but has moderate resistance to soilborne mosaic virus (*M. Tritici* Holmes var. *typicum* McK.), stem rust (*P. graminis* pers. f. sp. *tritici* Eriks. & E. Henn.), and Hessian fly (*Mayetiola destructor* Say). Buckskin has excellent milling and baking characteristics: moderately long mixing time, very good mixing tolerance, and good loaf volume.

Buckskin was named and released jointly in 1973 by the Agric. Exp. Stns. of Nebraska and Kansas, and ARS-USDA. Buckskin is protected (Certificate 7400108) under the Plant Variety Protection Act, Public Law 91-577, by the Nebraska Agric. Exp. Stn., and may be sold only as a class of certified seed. Seed classes recognized are breeder, foundation, registered, and certified. Breeder seed will be maintained by the Nebraska Agric. Exp. Stn.

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REGISTRATION OF HIPLAINS WHEAT¹
(Reg. No. 573)

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'HiPlains' wheat (*Triticum aestivum* L. em Thell.), CI 17262, is a hard red winter wheat selected in the *F₂* generation from the cross 'Gage'/‘Lancer’ made in 1962 at the Nebraska Agric. Exp. Stn. It was developed cooperatively by the Nebraska Agric. Exp. Stn. as Journal Series Article No. 4000. Accepted 30 June 1976.

HiPlains is an early-maturing winter wheat. It is short, moderately strong straw. The spike is white, eared, and erect and midsdense. Glumes are glabrous, white, long, and narrow, with shoulders narrow and square to obtuse. Awns are short and acuminate. Awn length is 5 to 9 cm. The kernels are red, medium hard, ovate to midlong, ovate to long, ovate to long; germ midsized; crease shallow; cheeks rounded; brush medium and not collared.

HiPlains is less winterhardy than ‘Scout 66’, the general adaptation of Scout 66. It is superior for straw strength and resistance to stem rust (*P. graminis* f. sp. *tritici* Eriks. & E. Henn.) and soil-borne mosaic virus (*M. Tritici* Holmes var. *typicum* McK.). It is also more susceptible to wheat streak mosaic (*M. virgatum* McVary. *typicum* McK.) than is Scout 66, and as susceptible to *Mayetiola destructor* Say]. HiPlains has very good baking characteristics: above-average grain protein content, good loaf volume, medium dough-mixing time, and mixing tolerance.

HiPlains was named and jointly released in 1973 by the Agric. Exp. Stn. and ARS-USDA. Seed classes of HiPlains are breeder, foundation, registered, and certified. Breeder seed will be maintained by the Nebraska Agric. Exp. Stn.

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REGISTRATION OF HOMESTEAD WHEAT²
(Reg. No. 574)

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'Homestead' wheat (*Triticum aestivum* L. em Thell.), CI 17264, is a hard red winter wheat selected in the *F₂* generation from the cross 'Scout'/‘Kenya 58'/‘Newthatch’/‘Teimarq’/‘Mediterranean’/‘Hope’/‘Pawnee’/‘Cheyenne’/‘HiPlains’ made in 1962 at the Nebraska Agric. Exp. Stn. 'Sentinel' also was selected from this cross. Homestead was developed cooperatively by the Nebraska Agric. Exp. Stn. and ARS-USDA. Homestead is protected (Certificate 74100110) under the Plant Variety Protection Act, Public Law 91-577, by the Nebraska Agric. Exp. Stn., and may be sold only as a class of certified seed. Seed classes recognized are breeder, foundation, registered, and certified. Breeder seed will be maintained by the Nebraska Agric. Exp. Stn.