REGISTRATION OF GUIDE WHEAT¹
(Reg. No. 486)

V. A. Johnson, J. W. Schmidt, P. J. Mattern, and A. F. Dreier²

'GUIDE' wheat, *Triticum aestivum* L., Nebraska Selection 61608, C.I. 18856, is a hard red winter wheat cultivar selected from the cross 'Cheyenne'³/²/Kenya'/Mentana' made at Lincoln, Nebraska, in 1957. The Kenya/Mentana parent was Selection 56-8c-17c-7c-13c from the Rockefeller-Mexican wheat improvement program. Guide was developed cooperatively by the Nebraska Agricultural Experiment Station and Crops Research Division, Agricultural Research Service, U.S. Department of Agriculture. It was released to Nebraska certified wheat producers in 1967.

Guide is an awned, white-glummed winter cultivar with seed that is moderately hard and red in color. An *F₅* plant, selected for hard seed and stem rust resistance, was propagated without further selection as Nebraska Selection 61608. Yield testing of NB61608 in Nebraska was initiated in 1962. NB61608 was advanced to the Southern Regional Performance Nursery in 1963. Guide is an early maturing cultivar with moderately short stiff straw. It exhibits adult plant resistance to the stem rust races prevalent in the hard red winter wheat region during its testing period. It is susceptible to leaf rust, loose smut, bunt, streak, and soil-borne mosaic, and hessian fly. Guide has only fair winterhardiness, and its production in Nebraska has been encouraged only in the south central and southwest cropping districts. The quality of Guide is excellent. It yields satisfactorily and produces flour with moderately long mixing dough requirement and good mixing tolerance. It received high quality ratings from commercial mill and bakery collaborators prior to release.

Guide is somewhat less productive than the popular 'Scout' variety. Its use by growers as a second variety on a portion of their acreage provides a broader base of stem rust resistance and spreads their production and harvest risks.

Breeder seed of Guide will be maintained by the Department of Agronomy, Nebraska Agricultural Experiment Station.

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REGISTRATION OF SCOUTLAND WHEAT¹
(Reg. No. 489)

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'SCOUTLAND' wheat *Triticum aestivum* L., C.I. 14075, is a hard red winter wheat cultivar developed cooperatively by the Nebraska Agricultural Experiment Station and Crops Research Division, Agricultural Research Service, U.S. Department of Agriculture. Scoutland is a single head selection from the 'Scout' cultivar, C.I. 13546, made at Lincoln, Nebr., in 1961. It has been evaluated in Nebraska station hardiness trials. It is equal to or superior to Scout in earliness, economic traits. It possesses spikes that are awned and white glazed. Its seed is hard, large, and red in color.

Scoutland differs significantly from Scout and Scout 66 in the field. Scoutland possesses spikes that are awned and white glazed. Its seed is hard, large, and red in color.

Scoutland is similar to Scout in yield and economic traits. It exhibits the same field and stem rust races currently prevalent in Nebraska. The grain of Scoutland is indistinguishable from that of the Scout cultivar. Its use by growers as a second variety on a portion of their acreage provides a broader base of stem rust resistance and spreads their production and harvest risks.

Breeder seed of Scoutland will be maintained by the Department of Agronomy, Nebraska Agricultural Experiment Station.

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REGISTRATION OF SCOUT 66 WHEAT¹
(Reg. No. 487)

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'SCOUT 66' wheat *Triticum aestivum* L., C.I. 13996, is a composite of 85 selections from the hard winter variety 'Scout,' C.I. 13546. The Nebraska Agricultural Experiment Station and the Crops Research Division, Agricultural Research Service, U.S. Department of Agriculture, cooperatively developed Scout 66. The composite was assigned accession number C.I. 13996 and entered in the Southern Regional Performance Nursery in 1965. Scout 66 is similar to Scout in the most identifying characteristics, but is more uniform. It exhibits the same field and stem rust races currently prevalent in Nebraska. Its use by growers as a second variety on a portion of their acreage provides a broader base of stem rust resistance and spreads their production and harvest risks.

Breeder seed of Scout 66 will be maintained by the Department of Agronomy, Nebraska Agricultural Experiment Station.

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