CROP REGISTRATIONS

591 cm taller, and more susceptible to lodging. In marginal, stress-prone environments, the taller Stressland has averaged 5 to 10% greater seed yield. Stressland is recommended for stress-prone environments (primarily drought) where shorter, more broadly adapted cultivars often fail to reach adequate plant height for good yields. It has high tolerance to phytophthora root rot (caused by Phytophthora sojae M.J. Kaufmann & J.W. Gerdemann).

Breeder seed of Stressland was distributed to foundation seed organizations in Indiana, Kansas, Missouri, and Ohio for planting in 1995. Breeder seed of Stressland will be maintained by the Ohio Agricultural Research and Development Center, Wooster, OH 44691. Small quantities of seed for research purposes can be obtained from the corresponding author for at least 5 years.


References and Notes
1. Asgrow Seed Co., Des Moines, IA.

Registration of 'Norpro' Soybean

'Norpro' soybean [Glycine max (L.) Merr.] (Reg. no. CV-395, PI 603900) was developed by the North Dakota Agricultural Experiment Station, North Dakota State University (NDSU), Fargo, ND. It was released 29 Apr. 1998. Norpro was developed for the tofu specialty market. Norpro was developed from the cross of 'Ozzie' (1) x 'Proto' (2) and is an F₄-derived line originally designated ND92-1111.

The cross was made in the summer of 1989 at Fargo, ND, and the F₁ plants were grown during the winter of 1989–1990 in Chile, S.A. The F₂ population was grown in the summer of 1990 and advanced to the F₃ generation by the single-pod bulk method. The F₄ population was grown in 1990–1991 in the Chile winter nursery. The F₅ population was grown in 1991 at Fargo, ND. F₄ plants from the segregating population were threshed individually in the fall of 1991 and F₄:5 plant rows were selected in 1992. ND92-1111 first was tested in replicated yield trials in 1993.

Norpro was evaluated in the Uniform Soybean Test 0, Northern States in 1996 and 1997 (3). In 2 yr of Uniform Regional Test 0, Norpro averaged 2% higher in seed yield than 'Agassiz' (4) and matured 2 d later. In these same tests, Norpro averaged 14% lower than Proto and matured 3 d earlier. (Proto was developed for the tofu market.) Norpro averaged 446 g kg⁻¹ protein and 165 g kg⁻¹ oil content in Red River Valley tests, compared with 455 and 168 g kg⁻¹, respectively, for Proto.

Norpro averaged 9% lower in seed yield than 'Council' (6) and matured 3 d earlier. Norpro was not evaluated for any major diseases and is assumed to be susceptible to phytophthora root rot (caused by Phytophthora sojae M.J. Kaufmann) and soybean cyst nematode (Heterodera glycines Ichinohe).

Breeder seed of Norpro will be maintained by NDSU. A small sample of seed for research purposes can be obtained from the corresponding author for at least 5 years. U.S. plant variety protection for Norpro is pending (PVP Certificate no. 9800326).

References and Notes