walls. It is similar in plant type to 'McNair 600'. It is classified as Group VII maturity being similar in maturity to 'Bragg'. Seeds have somewhat dull yellow seed coats with imperfect black hila. Seed size averages about 17 g/100 seeds compared to 16 g/100 for Bragg. It is resistant to races 1 and 2 of phytophthora root rot (caused by Phytophthora megasperma (Drechs) var. sojae Hilde). It is susceptible to soybean cyst nematode (Heterodera glycines Ichinohe). 'McNair 710 has determinate growth habit, and is 6–8 cm shorter in plant height than Bragg.

'McNair 710 is a U.S. Protected Cultivar (Certificate No. 7900088). Planting seed may be sold only as a class of certified seed. Breeder seed will be maintained by Northrup King Co., Laurinburg, NC 28352.

REGISTRATION OF MCNAIR 770 SOYBEANS1
(Reg. No. 153)

S. C. Anand, J. L. Helm, and D. L. Burns

'McNair 770' soybean [Glycine max (L.) Merr.] was developed by the McNair Seed Company, Laurinburg, NC and released in 1979. It was derived from the cross 'Ransom' × 'Pickett 71.' The F₁ was grown in the greenhouse and the F₂ in the field. F₂ lines were grown in a field infested with soybean cyst nematodes (Heterodera glycines Ichinohe) near Bayboro, NC. More vigorous plants were pulled and F₁ lines were grown at Laurinburg. These lines were also screened in the greenhouse at Jackson, TN, for nematode resistance. One of these lines which was found to be highly resistant to race 3 of cyst nematode in the seedling stage was bulked in the F₁ generation for initial yield testing. Plant selections were made in the F₂ generation and F₂ lines were grown. Uniform lines were bulked to comprise the original Breeder seed. 'McNair 770 was identified as McNair 3167 prior to its release. It is classified as Maturity Group VII, maturing 2 days earlier than 'Bragg.'

'McNair 770' has purple flower, gray pubescence and brown pod walls. Seed coats are dull yellow with imperfect black hila. Seed size is similar to Bragg. It is resistant to race 3 of soybean cyst nematodes and to bacterial pustule caused by Xanthomonas phaseoli (E. F. Smith) Dow. It is susceptible to all races of phytophthora root rot caused by Phytophthora megasperma (Drechs) var. sojae Hilde. 'McNair 770 has determinate growth habit and averages 10–20 cm shorter than Bragg. Its leaves are dark green similar to Ransom but somewhat broader similar to Pickett 71.

'McNair 770 is a U.S. Protected Cultivar (Certificate No. 7900089). Planting seed may be sold only as a class of certified seed. Breeder seed will be maintained by Northrup King Co., Laurinburg, NC 28352.

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1 Registered by the Crop Sci. Soc. of Am. Published as Journal Paper 1914 of the South Carolina Agric. Exp. Stn. 1981.
2 Former soybean breeder, McNair Seed Company (associate professor, Univ. of Missouri, Portageville, MO 63873), former soybean breeder, McNair Seed Company (vice-president Pate Farms, Laurel Hill, NC 28351), and former research director, McNair Seed Company (director, corn research, Asgrow Seed Company, Kalamazoo, MI 49001), respectively. Soybean varieties developed by McNair Seed Company were purchased by Northrup King Co.

REGISTRATION OF BRIEN'S SOYBEANS
(Reg. No. 160)

J. W. Schmidt, V. A. Johnson, P. J. Mattern, and D. V. McVey

'BRIEN'S' wheat (Triticum aestivum L. em Thell.) is a hard red winter wheat originating as a F₁-derived line of 'Scout'/3'×'Quivara'/Tenmarq'/Marquillo'/Oro'/4/F2 in 1968 at the Nebraska Agric. Exp. Stn. Developed by the Nebraska Agric. Exp. Stn. and AR-SEA-USDA, the 1974 to 1978 Nebraska Yield Trials and the 1976 to 1978 Southern Regional Performance Nurseries as NE73644.

'Briens' is as early or slightly earlier in maturity than the standard checks NC 95 and 'NC 2326' the yield and value per hectare were considerably better than either of the checks. Briens was outstanding in the advanced breeding lines test at the Pee Dee Exp. Stn. for approximately two more leaves per plant and flowers about two more than NC 95. The curing and handling qualities of the new cultivar are excellent.

The new cultivar was tested for 2 years in regional states of the flue-cured tobacco growing area. In comparison to two standard checks NC 95 and 'NC 2326' the yield and value per hectare were considerably better than either of the checks. Briens also compared favorably with the check cultivars and physical characteristics. This cultivar has the necessary characteristics to produce high quality flue-cured tobacco.

Breeder seed is maintained by the South Carolina Foundation Seed Association, Pendleton Road, Clemson Univ., Clemson, SC 29631. Foundation seed is produced by the South Carolina Foundation Seed Association. Briens is registered by the Crop Sci. Soc. of Am. Published as Journal Paper 1914 of the South Carolina Agric. Exp. Stn. 1981.

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*Registered by the Crop Sci. Soc. of Am. Cooperative investigations of the soft white winter wheat program, 1974.