REGISTRATION OF CROP CULTIVARS

L. (Pers.)] and C. dactylon × transvaalensis Burtt-Davy golf greens, tees, fairways, and lawns. None of the parental clones of Yorktown II carry the gene for fluorescent seedlings. Any such seedlings indicate contamination.

Seed propagation of Yorktown II is limited to two generations of increase from breeder seed—one each of foundation and certified.

Breeder seed is maintained by Lofts Pedigreed Seed, Inc. with the cooperation of the New Jersey Agric. Exp. Stn.

United States Plant Variety Protection Certificate No. 7800001 has been issued for Yorktown II.

REGISTRATION OF MCNAIR 500 SOYBEANS
(Reg. No. 145)

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

'MCNAIR 500' soybean [(Glycine max (L.) Merr.)] was developed from the cross 'Davis' × 'Lee 68' by the McNair Seed Co., Laurinburg, N.C. An F₃ line was bulked for the original yield evaluation. Single plant selections were made in the F₃ generation and F₄ lines grown. Three agronomically similar and uniform lines were bulked to initiate breeder seed of McNair 500. It is considered to be late Group V maturity averaging 4 days later in maturity than 'Forrest'.

McNair 500 has purple flowers, tawny pubescence and tan pod walls. Seed are yellow with black hila. It is resistant to races 1 and 2 of Phytophthora megasperma Drechs. var. sojae (Hildeb. and to bacterial pustule [caused by Xanthomonas phaseoli (E. F. Smith) Dows. var. sojensis (Hedges) Starr and Burk.]

McNair 500 has a determinate growth type and averages 4 cm shorter in mature plant height than Forrest. Plant type is similar to that for Lee 68.

McNair 500 is a U.S. Protected Variety (Certificate 76TQ016) and may be sold for planting seed only as a class of certified seed. Breeder seed will be maintained by Northrup King Co., Laurinburg, N.C.

REGISTRATION OF MCNAIR 800 SOYBEANS
(Reg. No. 147)

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

'MCNAIR 800' soybean [(Glycine max (L.) Merr.)] was developed by the McNair Seed Co. by compositing two F₃ lines selected from a bulk population generated by intercrossing advanced F₃ lines of 'Ogden' × CNS and 'N45-745 (an F₃ line from 'Ogden' × CNS) which were obtained from AR-SEA-USDA Delta Branch Exp. Stn., Stoneville, Miss. It is classified as Group VII maturity averaging 6 days later than 'Lee'.

McNair 800 is resistant to bacterial pustule [caused by Xanthomonas phaseoli (E. F. Smith) Dows. var. sojensis (Hedges) Starr and Burk.] to target spot [caused by Corynespora cassicola (Burk. and Curt.) Wei.]. It is susceptible to phytophthora rot [caused by Phytophthora megasperma Drechs. var. sojae (Hildeb.).]

McNair 800 is resistant to bacterial pustule [caused by Xanthomonas phaseoli (E. F. Smith) Dows. var. sojensis (Hedges) Starr and Burk.] to target spot [caused by Corynespora cassicola (Burk. and Curt.) Wei.]. It is susceptible to phytophthora rot [caused by Phytophthora megasperma Drechs. var. sojae (Hildeb.).]

McNair 800 is resistant to bacterial pustule [caused by Xanthomonas phaseoli (E. F. Smith) Dows. var. sojensis (Hedges) Starr and Burk.] to target spot [caused by Corynespora cassicola (Burk. and Curt.) Wei.]. It is susceptible to phytophthora rot [caused by Phytophthora megasperma Drechs. var. sojae (Hildeb.).]

1 Former soybean breeder, McNair Seed Co., (vice president, Pate Farms, Laurinburg, NC 28352), former research director, McNair Seed Co., (director, cotton research, Northrup King Co., Laurinburg, NC 28352), former soybean breeder, McNair Seed Co., (associate professor, Univ. of Missouri, Portageville, MO 63873) and former research director, McNair Seed Co. (director, corn research, Asgrow Seed Co., Kalamazoo, MI 49001). Soybean varieties developed by McNair Seed Co. were purchased by the Northrup King Co.