REGISTRATION OF PERSHING SOYBEAN

'PERSHING' SOYBEAN (Glycine max. (L.) Merr.) (Reg. no. 180) originated as an F₂ line developed from the cross D67-3297 × 'Essex' (2). D67-3297 is a selection from 'Hill' × PI 171450. Crossing and early selection were conducted at the Delta Center of the University of Missouri, Portageville, MO. Selection in the F₂, F₃, and F₄ generations were done for early maturity and good seed quality. Progeny of a single F₄ plant were bulked for yield evaluation. Pershing was identified as S76-2109 prior to its release and was evaluated from 1979 to 1983 in the USDA Uniform soybean tests IV South in 12 states.

Pershing is classified as a late group IV maturity and is determinate in growth habit. In comparison with Douglas (1), it is 10 days later in maturity. It was released primarily for good yield and improved seed quality. It has white flowers, grey pubescence, tan pod walls, yellow seed coat and buff hilum. Pershing has a high level of resistance to the root knot nematode (Meloidogyne incognita) but is susceptible to the soybean cyst nematode (Heterodera glycines Ichinohe). It is resistant to bacterial pustule, caused by Xanthomonas phaseoli (E. F. Sm.) Dows. var. sojensis (Hedges) Starr and Burkh. It has good shatter resistance.

Pershing was released jointly by the Missouri, Illinois, Kansas, Kentucky, New Mexico, and Texas Agricultural Experiment Stations and the USDA. Seed was distributed in 1984 for increase in Missouri, Illinois, Kansas, Kentucky, and Texas and will be maintained as one generation each of breeder, foundation, registered and certified seed. The Missouri Agricultural Experiment Station will be responsible for maintaining breeder seed. Application for plant variety protection has been submitted.

S. C. ANAND AND J. G. SHANNON (3)

References and Notes

3. Associate professor, Univ. of Missouri-Columbia, Portageville, MO 63873 and soybean project leader, Asgrow Seed Co., Marion, AR 72364 (formerly assistant professor, Univ. of MO, respectively). Contribution from the Missouri Agric. Exp. Station. Journal Series no. 9768. Univ. of Missouri, Columbia, MO. Registration by the Crop Sci. Soc. Am. Accepted 7 Sept. 1984.

REGISTRATION OF 'NAROW' SOYBEAN

'NAROW' SOYBEAN [Glycine max (L.) Merr.] (Reg. no. 181) was developed by the Arkansas Agricultural Experiment Station. It is a short stature, lodging resistant cultivar of soybean. 'Narow' originated from a single plant selection from the cross, R66-873 × 'Mack'. It is a low lodging, phytophthora rot (caused by Phytophthora megasperma. Drechs. p. sp. glycinea) Kuan resistant selection from the cross, 'Jackson' × 'Tribuzin'. Selections were made for uniformity in plant height and resistance to soybean cyst nematode (Heterodera glycines). Seventy uniform rows were bulked in the F₉ generation and designated R74-511A. The performance of R74-511A was similar to R74-511; therefore, R74-511 was designated as Narow.

Narow has purple flowers, gray pubescence, tan pod walls and yellow seeds with dull luster and imperceptible hilum. It is of Group V maturity and matures about 3 days later than Forrest. Narow has a determinate growth habit and is about 13 cm shorter than Forrest. Narow has a determinate growth habit and is about 13 cm shorter than Forrest.

Breeder seed of Narow will be maintained by the Arkansas Agricultural Experiment Stations and the USDA. Application for plant variety protection has been submitted.

C. E. CAVINESS, R. D. RIGGS, AND H. J. WALTERS (2)

References and Notes

2. Professor, Dep. of Agronomy, and professors, Dep. of Agronomy, Univ. of Arkansas, Fayetteville, AR 72701. Registration information describing Narow has been published.

REGISTRATION OF CHISHOLM WHEAT

'CHISHOLM,' (Reg. no. 691), PI486219, is a hard red winter wheat (Triticum aestivum L.) developed cooperatively by the Oklahoma Agricultural Experiment Station and ARS. It was released to growers in 1983. Narow, a new soybean variety adapted for narrow row farming, was released in 1984. It was selected from the cross Sturdy Sib/'Nicoma' which was made at Stillwater in 1971. Sturdy Sib (TX391-56-D1-32), a semidwarf wheat, is similar to 'Sturdy' in height and quality characteristics but is several days later in heading date. 'Seu Seun 27' is the source of Sturdy's semidwarf stature. Nicoma ('Triumph'/S/'Marquillo'/Oro/'Tenmarq') is a standard height cultivar released by the Oklahoma Agricultural Experiment Station. 'Nicoma is characterized by high test weight and good shatter resistance.'