REGISTRATION OF CROP CULTIVARS

OPER, the California Agricultural Experiment Station, and USDA-ARS. It has been approved for certification by the California Crop Improvement Association.

Application is being made for protection of S-101 under the Plant Variety Protection Act, Title V option. Classes of seed will be breeder, foundation, and registered and certified produced in California. Head-row seed will be produced as necessary to maintain cultivar purity. Breeder and foundation seed will be maintained by the California Co-operative Rice Research Foundation, Inc., P.O. Box 306, Biggs, CA 95917.

J.G. SHANNON* AND J.A. SCHILLINGER (6)
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References and Notes


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REGISTRATION OF 'A5980' SOYBEAN

'A5980' Soybean [Glycine max (L) Merr.] (Reg. no. CV-235) (PI 527701) was developed by Asgrow Seed Co., subsidiary of the Upjohn Co., Kalamazoo, MI. It is a group V maturing similar to 'Bedford' (2). It was released because of it's high productivity on the soils of the Mid-south where other cultivars of similar maturity fail to achieve adequate growth.

Prior to its release in 1984, it was identified as XP5980. It has been evaluated in various state experiment station soybean cultivar trials throughout the southern USA from 1982 through 1987.

'A5980' originated as an F3 line from the cross ('Tracy' (1) × D71-6234) F1 × J74-122 made in the greenhouse at Ames, IA in 1976. D71-6235 is a high protein selection from D66-7398 × PI 95960. D66-7398 is a selection from D61-3505 × (PI96035 × D61-2624), which was evaluated in Uniform Preliminary VI in 1968. D61-3505 is a selection from D49-2491 6 × PI 174862 and D61-2624 is a selection from D49-2491 4 × PI 174862. D49-2491 is closely related to 'Lee'. J74-122 is a sister line of 'Bedford' (3). The original F3 plant was selected after screening a portion of the F2 population for resistance to Race 4 of soybean cyst nematode, Heterodera glycines (Kofoid & White) Chitwood, and some isolates of soybean blight [caused by Diaporthe phaseolorum (Cke. & Ell.) Sacc. var. caulivora Athow & Caldwell]. Asgrow Seed Company will be responsible for maintaining breeder seed.

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REGISTRATION OF 'A5474' SOYBEAN

'A5474' soybean [Glycine max (L) Merr.] (Reg. no. CV-234) (PI 527702) was developed by Asgrow Seed Co., subsidiary of the Upjohn Co., Kalamazoo, MI. It has been approved for certification by the California Agricultural Experiment Station, and USDA-ARS. It has been evaluated in various state experiment station soybean cultivar trials throughout the southern USA from 1980 through 1987.

'A5474' originated as an F3 plant from the cross ('Tracy' (1) × D71-6234) F1 × J74-122 made in the greenhouse at Ames, IA in 1976. D71-6235 is a high protein selection from D66-7398 × PI 95960. D66-7398 is a selection from D61-3505 × (PI96035 × D61-2624), which was evaluated in Uniform Preliminary VI in 1968. D61-3505 is a selection from D49-2491 6 × PI 174862 and D61-2624 is a selection from D49-2491 4 × PI 174862. D49-2491 is closely related to 'Lee'. J74-122 is a sister line of 'Bedford' (3). The original F3 plant was selected after screening a portion of the F2 population for resistance to Race 4 of soybean cyst nematode, Heterodera glycines (Kofoid & White) Chitwood, and some isolates of soybean blight [caused by Diaporthe phaseolorum (Cke. & Ell.) Sacc. var. caulivora Athow & Caldwell]. Asgrow Seed Company will be responsible for maintaining breeder seed.

J. G. SHANNON* AND J. A. SCHILLINGER (5)

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