REGISTRATION OF 'SS202' SOYBEAN

'SS202' soybean [Glycine max (L.) Merr.] (Reg. no. 256, PI 539861) was developed cooperatively by the Iowa Agriculture and Home Economics Experiment Station and the Puerto Rico Agricultural Experiment Station. It was released in 1989 as a special-purpose cultivar for use in the production of soy sprouts and the Japanese fermented product natto.

SS202 was derived from a BC$_2$F$_2$ plant selected from the cross 'Roanoke' X PI 135624. HP 20-20 is a high-yielding cultivar of Maturity Group II developed by Agripro Biotechnologies, Inc., from the cross 'Rampage' X 'Hark'. PI 135624 is a Maturity Group II accession of the wild species Glycine soja Sieb. & Zucc., with a seed size of $\approx 14$ mg seed$^{-1}$. The F$_2$ plants from the single-cross population were selected for small seed size and yellow seed coat color. BC$_2$F$_2$ seeds were obtained by crossing the F$_2$ progeny of selected F$_2$ plants to HP 20-20. Similar selection was practiced among BC$_2$F$_2$ plants to obtain BC$_2$F$_3$ progeny that were crossed to SI346 to obtain BC$_3$F$_1$ seeds. The progeny of BC$_3$F$_1$ plants with small yellow seeds were evaluated for yield in Iowa during 1987 and 1988. SS202 was tested under the designation A87-102102.

SS201 is of Maturity Group II, averaging 2 d later than 'Elgin 87' (2). It has purple flowers, gray pubescence, tan pods at maturity, and dull yellow seeds with yellow hilum. SS201 is similar to 'Corsoy 79' (1) in lodging susceptibility and is moderately susceptible to pod shattering at maturity. It has a plant height of 91 cm, an average seed size of 90 mg seed$^{-1}$, 400 g kg$^{-1}$ seed protein, and 217 g kg$^{-1}$ seed oil on a moisture-free basis, and a seed yield of $\approx 3078$ kg ha$^{-1}$. SS201 is susceptible to Fe-deficiency chlorosis when grown on calcareous soil. It is susceptible to phytophthora rot (caused by Phytophthora megasperma Drechs. f. sp. glycinea T. Kuan & D.C. Erwin).

Breeder seed of SS202 will be maintained by the Iowa Agriculture and Home Economics Experiment Station, Ames.

W. R. FEHR,* S. R. CIANZIO, AND G. A. WELKE (5)

References and Notes


REGISTRATION OF 'SS201' SOYBEAN

'SS201' soybean [Glycine max (L.) Merr.] (Reg. no. 255, PI 539860) was developed cooperatively by the Iowa Agriculture and Home Economics Experiment Station and the Puerto Rico Agricultural Experiment Station. It was released in 1989 as a special-purpose cultivar for use in the production of soy sprouts and the Japanese fermented product natto. SS201 was derived from a BC$_2$F$_2$ plant selected from the cross 'S1346' X PI 81762. S1346 is a high-yielding cultivar of Maturity Group II developed by Northrup King Co. from the cross ['Roanoke' X 'Hawkeye'] X PI 257435. PI 81762 is a Maturity Group II accession of the wild species Glycine soja Sieb. & Zucc., with a seed size of $\approx 14$ mg seed$^{-1}$. F$_2$ plants from the single-cross population were selected for small seed size and yellow seed coat color. BC$_2$F$_2$ seeds were obtained by crossing the F$_2$ progeny of selected F$_2$ plants to S1346. Similar selection was practiced among BC$_2$F$_2$ plants to obtain BC$_3$F$_1$ progeny that were crossed to S1346 to obtain BC$_3$F$_2$ seeds. The progeny of BC$_3$F$_2$ plants with small yellow seeds were evaluated for yield in Iowa during 1987 and 1988. SS201 was tested under the designation A87-102102.

SS201 is of Maturity Group II, averaging 2 d later than 'Elgin 87' (2). It has purple flowers, gray pubescence, tan pods at maturity, and dull yellow seeds with yellow hilum. SS201 is similar to 'Corsoy 79' (1) in lodging susceptibility and is moderately susceptible to pod shattering at maturity. It has a plant height of 91 cm, an average seed size of 90 mg seed$^{-1}$, 400 g kg$^{-1}$ seed protein, and 217 g kg$^{-1}$ seed oil on a moisture-free basis, and a seed yield of $\approx 3078$ kg ha$^{-1}$. SS201 is susceptible to Fe-deficiency chlorosis when grown on calcareous soil. It is susceptible to phytophthora rot (caused by Phytophthora megasperma Drechs. f. sp. glycinea T. Kuan & D.C. Erwin).

Breeder seed of SS201 will be maintained by the Iowa Agriculture and Home Economics Experiment Station, Ames.


References and Notes


REGISTRATION OF 'HP201' SOYBEAN

'HP201' soybean [Glycine max (L.) Merr.] (Reg. no. 257, PI 539862) was developed cooperatively by the Iowa Agriculture and Home Economics Experiment Station and the Puerto Rico Agricultural Experiment Station. It was released in 1988 as a special-purpose cultivar for use in the production of tofu and other food products.