for SCN in the greenhouse to a mixture of races 3, 5, and 14. SCN resistant F2 plant rows were grown in the field at Portageville and single rows uniform for agronomic traits were bulked for yield tests. S96-2692 was screened to individual SCN populations of races 1, 2, 3, 5, and 14 at Portageville and Columbia, MO as well as Jackson, TN. It was screened to southern root knot nematode in an infested field near Bertrand, MO, in 1999 and 2000.

S96-2692 is mid-group V maturity (RM5.5), about 3 d earlier than ‘Hutcheson’ (Buss et al., 1988). It was tested in Missouri from 1997 through 2000 and was evaluated in the Uniform Group V Soybean Tests - Southern States from 1998 through 2000 (Tyler, 1999; Paris and Shelton, 2000). Yield and plant height are similar to Hutcheson. S96-2692 has white flowers, tawnypubescent, and tan pods. Seeds are shiny yellow with black hilum. Seed size has averaged 127 mg seed−1 versus 137 mg seed−1 for Hutcheson. Seed composition on a dry weight basis averages 417 g kg−1 protein and 197 g kg−1 oil compared to 410 g kg−1 protein and 211 g kg−1 oil for Hutcheson.

S96-2692 is resistant to populations of race 1, 2, 3, 5, and 14 of SCN, southern root knot nematode (Tyler, 1999; Paris and Shelton, 2000), and reniform nematode (R.T. Robbins, 2000, personal communication). S96-2692 has shown moderate resistance to sudden death syndrome [caused by Fusarium solani (Mort.) Sacc. f. sp. glycines Roy] as well as peanut rootknot nematode [Meloidogyne arenaria (Neal) Chitwood] (Tyler, 1999; Paris and Shelton, 2000). It is susceptible to stem canker [caused by Diaporthe phaseolorum (Cooke and Ellis) Sacc. var. meridionales F.A. Fernandez] and Soybean mosaic virus.

Small quantities of seed can be obtained from the corresponding author for at least 5 yr.

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References