CROP REGISTRATIONS

Pana is an indeterminate line classified as late Group III maturity (relative maturity 3.8), maturing 4 d later than 'Iroquois' and 5 d later than Jack [5]. Compared with Iroquois at noninfested SCN locations, Pana had 5% higher seed yield, 18 cm taller plant height, and 1.7% lower seed protein. At SCN-infested locations, seed yield of Pana was 20% higher than Iroquois and 3% higher than Jack.

Pana has purple flowers, gray pubescence, tan pods at maturity, and dull yellow seeds with buff hila. Pana may have up to 1% other plant and seed types. Pana is susceptible to phytophthora rot (Races 1, 4, and 7), brown stem rot [caused by Phialophora gregata (Allington & D.W. Chamberlain) W. Gams], and sudden death syndrome [caused by Fusarium solani (Mart.) Sacc.]. When evaluated against SCN in the greenhouse, Pana is moderately susceptible to Race 1 and resistant to Races 2, 3, 4, 5, and 14 [6].

Seed production is restricted to Foundation and Certified classes beyond breeder seed. Foundation seed of Pana will be available to qualified certified seed producers for 1998 planting. A research assessment fee of $0.70 per 50-pound unit (22.7 kg) will be collected on the Certified class of seed sold. A small sample of seed of Pana may be obtained from the corresponding author for research purposes for at least five years.


References and Notes


Registration of 'Pace' Soybean

'Pace' soybean [Glycine max (L.) Merr.] (Reg. no. CV-385, PI 602496) was released as a Maturity Group V cultivar because of its growth characteristics and productivity when grown on the clay soils at Stoneville and Macon, MS. It also has demonstrated adaptability for growth and productivity at Stoneville and Macon, MS, and has disease and insect resistance. 'Pace' is comparable in yield and quality to 'Hutcheson' at both locations with slightly improved resistance to soybean cyst nematode (Heterodera glycines) and bacterial pustule [caused by Xanthomonas sojae (Cooke & Ellis) Dye]. 'Pace' has leaves that are 220 cm long by 16 cm wide, a leaf area of 3400 cm², and a leaf dry weight of 287 g. The developing pods are 2.5 cm long by 1.5 cm wide, the pod color is black, and the pod weight is 30 g. 'Pace' has white flowers, gray pubescence, and pod walls that are tan at maturity. Seed are yellow, with buff hila. Seed weight is 130 mg, compared with 152 mg for Hutcheson. Seed oil average 444 and 209 g kg⁻¹ for Pace, compared with 212 g kg⁻¹ for Hutcheson.

Seed of Pace is being increased by Mississippi Agricultural and Forestry Experiment Station. Seed will be available for five years from the Soybean Research Unit, P.O. Box 196, Stoneville, MS 38776.


References and Notes