REGISTRATION OF GASOY 17 SOYBEANS
(Reg. No. 121)

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'GAsoy 17' soybeans (Glycine max (L.) Merr.) originated as a single plant selection from a cross of 'Bragg' x 'Hood'. GaSoy 17 was selected and developed at the Univ. of Georgia Coastal Plain Exp. Stn., Tifton, Georgia. It was selected from an F4 bulked population from a cross made at the Georgia Exp. Stn., Experiment, Georgia. Prior to its release, it was identified in state and regional tests as GaT 71-1088. It is classified in the Maturity Group VII, maturing 1 day later than Bragg and 5 days earlier than 'Hutton'.

Distinguishing characteristics of the variety are white flowers, gray pubescence, tan pod walls, yellow seed coat, and buff hilum. It is resistant to bacterial pustule [Xanthomonas phaseoli (E. F. Smith)], bacterial blight [Pseudomonas glycinea (Coeper)], wildfire [Pseudomonas tabaci (Wolf and Foster)], powdery mildew [Erysiphe polygoni DC], and target spot [Corynespora cassiicola (Berk and Curt.)]. GaSoy 17 is similar in height to Bragg and Hutton and taller than 'Ransom'. It has a more branching growth habit as compared to the upright growth of Bragg and Ransom. GaSoy 17 has good seed shatter resistance. Its seed size is similar to that of Ransom, 15.5 g/100 seed. Protein content is slightly lower than for Bragg but oil content is similar.

Nematode screening results from Georgia, South Carolina show GaSoy 17 to be susceptible to root-knot nematodes [Meloidogyne incognita (Neal; Chitwood) and Meloidogyne arenaria (Chitwood)].

State and regional test results show GaSoy 17 yields 8%, 11%, and 4% better than Bragg, Ransom, and Hutton, respectively.

GaSoy 17 was released in 1977 by the Univ. of Georgia Coastal Plain Exp. Stn., South Carolina Agric. Exp. Stn., and North Carolina Agric. Exp. Stn. The Univ. of Georgia Coastal Plain Exp. Stn. is responsible for maintenance of breeder seed.

1 Registered by the Crop Sci. Soc. Am. Contribution from the Univ. of Georgia Coastal Plain Exp. Stn., Tifton, GA. Accepted 5 July 1978.

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