late, and for height, ranging from 90 to 119 cm, were made at Griffin. All lines have good straw strength except Ga 15 and Ga 16.

Seed will be maintained and germplasm quantities will be distributed by the Georgia Agricultural Experiment Station, Georgia Station, Experiment, GA 30223.

J. W. JOHNSON AND A. R. BROWN (1)

References And Notes
1. Associate professors of agronomy, Dep. of Agronomy, Univ. of Georgia, Georgia Stn., Griffin, GA 30223, and Athens, GA 30602, respectively. Supported by Station Hatch funds allocated to the Georgia Agric. Exp. Stn. Registration by the Crop Sci. Soc. of Am. Accepted 29 Nov. 1985.

REGISTRATION OF DES 35 COTTON GERMPLASM

A germplasm line of cotton (Gossypium hirsutum L.), DES 35 (GP-267), was developed at the Delta Branch, Mississippi Agricultural and Forestry Experiment Station and released in April 1985.

DES 35 originated from a single plant selection in the F_2 generation and a subsequent reselection in the F_8 generation of a cross between DES 21326-04 and Deltapine 5916-65. DES 21326-04 is a sister line of 'DES 56' (Reg. no. 70 and P.V. no. 7800041) and was released as a noncommercial strain in 1975 because of its potential value in cotton breeding programs emphasizing early maturity. Deltapine 5916-65 is a selection out of 'Deltapine 16'. DES 35 was previously evaluated as DES 35-45-32.

DES 35 is taller and slightly later in maturity than 'DES 422' (Reg. no. 80 and P.V. no. 8100170), but produces approximately 12% higher lint yields. The lint percentage of DES 35 is 3% higher than DES 422, but its fibers are shorter and weaker and it has a higher micronaire value. Evaluation of DES 35 for resistance to tarnished plant bugs [Lygus lineolaris (Palisot de Beauvois)] over a 3-yr period (1982 to 1984) showed that DES 35 produced 11.5% higher lint yields than 'Stoneville 825' in the presence of plant bugs and 20.5% higher yields when plant bugs were controlled by insecticides. The yielding ability of DES 35 demonstrates its value as a breeding line in the development of conventional and hybrid cultivars.

Seed (25 g) of DES 35 may be obtained from R.R. Bridge, Delta Branch, Mississippi Agricultural and Forestry Experiment Station, P. O. Box 197, Stoneville, MS 38776.

R. R. BRIDGE (1)

References and Notes

References and Notes
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