REGISTRATION OF PARENTAL LINES

Fig. 1. Procedure used to develop five soybean germplasm populations.

and 25% exotic germplasm. Crosses for API were initiated 1 year later than those for the other populations; therefore, it has undergone one less generation of random mating.

After the initial single crosses were made, S₀ plants were used for random mating. A minimum of 30 male and female S₀ plants were used for each cross. In the final mating generation, a minimum of 225 S₁ seeds were obtained in each of the five populations.

Seed for distribution was harvested from S₀ plants and will be maintained in cold storage. The S₁ seed will be distributed by the Committee for Agricultural Development, Iowa State University, Ames, Iowa.

REFERENCES


REGISTRATION OF BELINDA WINTER WHEAT GERMPLASM¹ (Reg. No. GP 33)

J. W. Schmidt, V. A. Johnson, and P. J. Mattern²

'Belinda', winter wheat, C.I. 15231 Triticum aestivum L. Thell., was developed cooperatively by the Nebraska Agricultural Experiment Station and the Agricultural Research Service, USDA. Belinda was selected from the cross 'Ottawa'/2°', made in Lincoln, Nebraska, in 1956, and tested as Nebraska Selection 62384. The Republic of South Africa named Belinda for commercial production in 1971.

Belinda is a midseason, midtall variety with good hardiness. It is awned and has bronze glumes. Belinda is resistant to Hessian fly. It is susceptible to mosaic virus and leaf rust, but resists a number of stem-rust races. It produces hard red grain with strong baking quality.

Belinda germplasm is available on request from the Department of Agronomy, University of Nebraska-Lincoln; Research Agronomist, ARS, USDA; and Professor of Agronomy, University of Nebraska-Lincoln.

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