REGISTRATION OF CROP CULTIVARS

REGISTRATION OF 'HERCULES' OAT

'Hercules' spring oat (Avena sativa L.) (Reg. no. 320, PI 503644) was developed cooperatively by USDA-ARS and The Pennsylvania Agricultural Experiment Station, and released in 1986. Hercules was developed from a 'Dal'/Noble' cross using the bulk method of breeding. The initial selection was made from an F2 bulk population in 1976, and a single primary reason for release is superior lodging resistance compared to other cultivars tested at two or more locations during 1982 to 1985. The F4 plant selection was made in 1978 in Lexington, KY. The descent at the Iowa State University soybean breeding nursery is from PI 515961, which was developed by the Kentucky Agricultural Experiment Station. The initial selection was made from an F2 bulk population in 1976, and a single

References and Notes


REGISTRATION OF 'PENNYRILE' SOYBEAN

'Pennyryle' soybean [Glycine max (L.) Merr.] (PI 515961) was developed by the Kentucky Agricultural Experiment Station. Pennyryle was released in recognition of its superior in seed yield in both full season and double crop plantings compared with public cultivars.

Pennyryle originated as an F2 plant selection from a cross between 'Hilby' and 'Dawson'. The F4 generation was evaluated in the Uniform Midseason Oat Nursery during the 1985-1986 season and was significantly superior for percent visual heading in Pennsylvania tests, In the Uniform Midseason Oat Nursery during the 2 yr, Hercules was 12% higher than Ogle, but it lodged less than Ogle and ranked above Porter, Noble, and Ogle, respectively. Its test weight was 5.7% heavier than that of Ogle in the Uniform Oat Nursery during the 2 yr, Hercules was 12% higher than Ogle, but it lodged less than Ogle and ranked above Porter, Noble, and Ogle, respectively. Its test weight was 5.7% heavier than that of Ogle in the Uniform Oat Nursery during the 2 yr, Hercules was 12% higher than Ogle, but it lodged less than Ogle and ranked above Porter, Noble, and Ogle, respectively. 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