Phialophora gregata (Allington & D.W. Chamberlain) W. Gams]. It is also susceptible to iron deficiency chlorosis.

Breeder seed of Sandusky will be maintained by OARDC-OSU with the cooperation of Ohio Foundation Seeds, Inc. A small sample of seed for research purposes can be obtained from the corresponding author for at least 5 yr. Protection for Sandusky under the U.S. Plant Variety Protection Act is pending.


Registration of 'Vertex' Soybean

'Vertex' soybean [Glycine max (L.) Merr.] (Reg. no. CV-328, PI 553050) was released by the Oklahoma Agricultural Experiment Station in 1991. It was released because of its superiority in yield under Oklahoma growing conditions compared with other adapted cultivars.

Choska originated as an individual plant selection from an advanced generation bulk population received from the Soybean Production Research Unit, USDA-ARS, Stoneville, MS. The correct pedigree of Choska is unknown. Choska was tested prior to release as OK803015 in statewide trials in Oklahoma from 1984 through 1990, and in the Uniform Soybean Tests, Southern Region (Preliminary Group V) in 1986 and 1990. Breeder seed consists of the progeny of 280 plants selected for uniform plant and seed characteristics in 1986. Uniform progeny rows were bulked in 1987.

Choska is classified Group VI in maturity, averaging 2 d earlier than 'Sohoma' (2). It is best adapted to latitudes 34° to 36° N. Mature plants average 84 cm in height with good lodging and shattering resistance. Choska has determinate growth habit, purple flowers, gray pubescence, and tan pod walls. Seeds are yellow with dull seedcoat luster. Hila are variable with approximately 97% buff and 3% imperfect black. Average seed weight is 16.9 g 100 seed⁻¹, which is slightly greater than the average for Sohoma. Seed quality scores average 1.8 and are equal to Forrest. Seed protein and oil contents average 390 and 210 g kg⁻¹, respectively.

Choska did not exhibit iron deficiency chlorosis and averaged 61% higher yield than Forrest in seven tests in Central Oklahoma on a Dale soil (fine-silty, mixed, thermic Pachic Hapludoll) with a pH of 7.3 to 7.5. Forrest exhibited severe iron deficiency chlorosis almost every year when grown on this soil.

References and Notes

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Registration of 'Vertex' Soybean

'Vertex' soybean [Glycine max (L.) Merr.] (Reg. no. CV-328, PI 576146) was developed by the Ohio Agricultural Research and Development Center, The Ohio State University (OARDC-OSU). It was released 1 Aug. 1993 because of its high yield and resistance to lodging in comparison with cultivars of similar maturity.

Vertex is an F₄-derived line, originally designated HS88-4905, from the cross 'Conrad' × 'Hayes' (2,3). The cross was made in the summer of 1985 at Columbus, OH. The F₃-derived line HS87-5028, from which Vertex was selected, was tested in Ohio from 1987 to 1989. The F₄-derived line HS88-4905 was tested in multiple Ohio locations from 1989 to 1993. It was evaluated in the Uniform Soybean Tests, Northern States, Preliminary Test IIA in 1990 and Uniform Test IIA from 1991 to 1993.

Breeder seed of Vertex will be maintained by OARDC-OSU with the cooperation of Ohio Foundation Seeds, Inc. A small sample of seed for research purposes can be obtained from the corresponding author for at least 5 yr. Protection for Vertex under the U.S. Plant Variety Protection Act is pending.


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