seed protein and 21.0% oil, compared with 40.8% seed protein and 20.6% oil of Douglas.

The Missouri Agricultural Experiment Station will be responsible for maintaining breeder seed. The seed will be maintained as one generation each of breeder, foundation, registered, and certified seed. Foundation seed will be produced and distributed by Missouri Foundation Seeds, Department of Agronomy, 210 Waters Hall, University of Missouri, Columbia, MO 65211.

S.C. ANAND* (8)

References and Notes


REGISTRATION OF ‘WALTERS’ SOYBEAN

‘Walters’ Soybean [Glycine max (L.) Merr.] (Reg. no. CV-285, PI 544354) was developed by the Arkansas Agricultural Experiment Station for planting in areas where Maturity Group V cultivars are adapted. It was released because of its high yield potential and multiple disease and nematode resistance.

Walters was derived from an F₈ single plant selection from the cross ‘Forrest’ × ‘Narow’ (4,2). The line was tested in Arkansas and other Southern states for seed yield, agronomic performance, and disease and nematode reaction from 1983 to 1989 under the designation R83-1342 (1). It was evaluated in the Uniform Maturity Group V Tests, Southern Region, from 1987 to 1989 (3).

Walters has a determinate growth habit, purple flowers, tawny pubescence, and tan pod walls. Seeds are yellow, with shiny seed coats and black hila. Maturity, plant height, lodging, and seed quality scores are similar to Forrest. Seeds of Walters average 13.6 g 100~¹, which is slightly heavier than Forrest in double-crop tests planted after wheat in Arkansas (1,3). Walters also produced higher yields than Forrest in the Uniform Maturity Group V Tests, Southern Region, during 1987-1989 and 8% higher in tests conducted in the fall of 1989 for initial foundation-level increase and 16% higher in tests conducted in the fall of 1984 and 16 locations in the fall of 1985. Only 10 locations of W0030E were planted of W0030E. Breeder seed of W0030E was provided to the Pioneer parent seed operation in the fall of 1988. W0030E was also lost. In the fall of 1986, another breeder seed increase was due to severe winter-kill, and a breeder seed increase was in the spring of 1987. 2548 was tested as Pioneer Experimental Variety XW571 in the 1989 Uniform Southern and Uniform Eastern Soft Red Winter Wheat Nurseries.

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References and Notes

REGISTRATION OF ‘2548’ WHEAT

PIONEER variety ‘2548’ (Reg. no. CV-758, PI 532913) is a common soft red winter wheat (Triticum aestivum L.) developed by Pioneer Hi-Bred International in 1988.

The parentage of 2548 is ‘Hadden’× ‘Tenmarq’× ‘Etoile de Choisy’× ‘Thorne’ (4,2,15,16,24,25). The line was released as ‘2548’ and was first sold in the fall of 1988. The cultivar was also known as XW571 in the 1989 Uniform Southern and Uniform Eastern Soft Red Winter Wheat Nurseries.

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References and Notes