5 yr from the Minnesota Agricultural Experiment Station by writing to the corresponding author.

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References and Notes

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Registration of ‘Faribault’ Soybean

‘Faribault’ soybean [Glycine max (L.) Merr.] (Reg. no. CV-337, PI 583364) was developed by the Minnesota Agricultural Experiment Station. It was released in February 1994 because of its combination of earliness and resistance to soybean cyst nematode (SCN) (Heterodera glycines Ichinohe) Race 3 and because it provides a different source of SCN resistance than other public cultivars.

Faribault was derived from an F4 plant from the cross M75-2 × L77-906. M75-2 has the pedigree ‘Hodgson’ (4) × [M67-141 × (‘Chippewa’ × ‘Higan’)] (3,4,5). M67-141 is a selection from the cross ‘Corsoy’ × ‘Wayne’ (1,6). L77-906 has the pedigree ‘Williams’ × PI 209332 (2). The population was advanced by the single-pod bulk method to the F4 generation in Chile and Minnesota. The F5 plants were screened in the field against Race 3 of SCN. F6 plants were screened in the greenhouse against Race 3 of SCN. Faribault was yield tested in yield potential is ≈10% lower than Sturdy and Alpha. Faribault has a slightly poorer lodging score (1.7 vs. 2.2, on a scale of 1 = all plants erect to 5 = all plants prostrate). Faribault is ≈5 cm shorter than Sturdy. Seeds of Faribault are ≈50 mg smaller, ≈3 g protein, and ≈5 g kg⁻¹ higher in oil concentration than seeds of Sturdy. Seed quality of Faribault and Sturdy is similar.

Faribault derives its resistance to Race 3 of SCN from PI 209332 through L77-906 and carries the Rps1 gene for resistance to phytophthora root rot (caused by Phytophthora sojae M.J. Kaufmann & J.W. Gerdemann). It is resistant to iron-deficiency chlorosis.

Faribault was released on 15 Feb. 1994 to approved seed growers in Minnesota. Breeder seed of Faribault is maintained by the Minnesota Agricultural Experiment Station for at least 5 yr by writing to the corresponding author.

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References and Notes

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