Registration of ‘Dimon’ Soybean

‘Dimon’ soybean [Glycine max (L.) Merr.] (Reg. no. CV-315, PI 572244) was developed by the Michigan Agricultural Experiment Station. It was released in 1991 on the basis of its performance in yield trials in Michigan. ‘Dimon’ has exhibited excellent yield potential for its maturity, as well as improved lodging resistance and oil content compared with cultivars commonly grown in Michigan. ‘Dimon’ was named for Mr. Dimon Wolfe, technician for the Michigan State University’s soybean breeding project from its inception until his retirement after 35 years of service.

‘Dimon’ was developed by pedigree selection from a cross ‘Elgin’ (4)/HW8039 made in 1982. HW8039 was developed by the Ohio Agricultural Research and Development Center from a cross ‘Weber’ (2)/‘Pella’ (3), a cross between a small-seeded cultivar of Maturity Group I and a large-seeded cultivar of Maturity Group III. ‘Dimon’ was selected as an F2-derived family in the F4 generation and was tested under the experimental designation E86339. F3-derived families were extracted from E86339 and evaluated for plant type, height, maturity, lodging, seed size, and flower, pod, pubescence, and hilum color in the F5 generation. F3-derived families with similar phenotypes were composited in the F5 generation for production of breeder seed.

‘Dimon’ has indeterminate growth habit, purple flowers, tawny pubescence, tan pods, and shiny seeds with black hila. It is of Group II maturity, similar to ‘Corsoy 79’ (1) and ‘Elgin’. In 32% of performance trials in Michigan, seed yield of ‘Dimon’ averaged 0.30 Mg ha−1 (P < 0.01) above the mean of all entries, 1% (NS) above ‘Elgin’, and 12% (P < 0.01) above ‘Corsoy 79’. ‘Dimon’ is of Maturity Group I, and a large-seeded cultivar of Maturity Group II maturity similar to ‘Corsoy 79’ (1) and ‘Elgin’. In 32% of trials in Michigan, ‘Dimon’ averaged 392 g kg−1 more seed oil concentration, averaging 208 g kg−1, than ‘Corsoy 79’ (P < 0.01) and 11 g kg−1 less than ‘Elgin’ (0.30 Mg ha−1). ‘Dimon’ is significantly shorter than ‘Corsoy 79’. ‘Dimon’ is below average height, being significantly shorter than ‘Corsoy 79’. ‘Dimon’ is of Maturity Group I, and a large-seeded cultivar of Maturity Group II maturity similar to ‘Corsoy 79’ (1) and ‘Elgin’. ‘Dimon’ is below average height, being significantly shorter than ‘Corsoy 79’.

‘Dimon’ soybean was developed and released by the Michigan Agricultural Experiment Station, East Lansing. Samples of seed will be available for the next five years from the Michigan Foundation Seed Association for planting in Michigan. Breeder seed will be maintained by the Michigan Agricultural Experiment Station, East Lansing. Samples of seed will be available for the next five years from the Michigan Foundation Seed Association for planting in Michigan. Breeder seed will be available for the next five years from the Michigan Foundation Seed Association for planting in Michigan.

References and Notes

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Registration of ‘Felix’ Soybean

‘Felix’ soybean [Glycine max (L.) Merr.] (Reg. no. CV-316, PI 572245) was developed by the Michigan Agricultural Experiment Station. It was released in 1991 on the basis of early maturity and performance in yield trials in Michigan. ‘Felix’ has exhibited excellent yield potential as well as improved lodging resistance and protein content compared to cultivars commonly grown in Michigan. ‘Felix’ was named for Mr. Felix Witt, first chairperson of the Soybean Committee and recipient of the Distinguished Service to Agriculture from Michigan State University’s College of Agriculture and Natural Resources.

‘Felix’ was selected from a cross ‘ProSoy 104’/‘Century’ (7) in 1982. ProSoy 104, a proprietary Maturity Group I cultivar, was obtained from ProSeeds of Adrian, MI; it is of undisclosed parentage. HW8028 was selected at the Ohio Agricultural Research and Development Center from a cross ‘Wayne’*2 (1)/L62-1926. L62-1926 has the e2 gene for early maturity (R.L. Bernard, 6)/‘Mack’ (3)/L65-1342. L65-1342 was developed by USDA-ARS from the cross ‘Wayne’*2 (1)/L62-1926. The pedigrees e2 and m2 (M.R. Hardin) were used to select ‘Felix’. Felix was selected as an F2-derived family in the F2 generation and was composited in the F4 generation for production of breeder seed. ‘Felix’ was selected at Iowa State University from the F4 generation (6)/‘Mack’ (3)/L65-1342. L65-1342 was developed by USDA-ARS from the cross ‘Wayne’*2 (1)/L62-1926. The pedigrees e2 and m2 were used to select ‘Felix’.

‘Felix’ has exhibited excellent yield potential as well as improved lodging resistance and protein content compared to cultivars commonly grown in Michigan. ‘Felix’ was named for Mr. Felix Witt, first chairperson of the Soybean Committee and recipient of the Distinguished Service to Agriculture from Michigan State University’s College of Agriculture and Natural Resources.

References and Notes

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