Registration of ‘Othello’ Pinto Bean

‘Othello’ pinto bean (*Phaseolus vulgaris* L.) (Reg. no. CV-121, PI 578268) was developed by the USDA-ARS in cooperation with Washington State University and jointly released in September 1986 by the USDA-ARS, Washington State University, the University of Idaho, and Oregon State University.

Othello is an F7 selection from the parentage ‘NW-410’ Pinto/2/’Victor’ Pink/’Aurora’ (NW-410 = ‘Pinto UI-114’/‘Sutter Pink’; Victor = ‘Red Mexican UI-35/1’/PI 203958/2/UL-35/3/Sutter Pink/4/Aurora).

Othello, under the designation GH-215, was tested extensively in the Pacific Northwest and, from 1984 to 1986, in the interregional Cooperative Dry Bean Nursery at many locations in the USA and Canada (3,4). Othello has equalled or exceeded the best other pinto cultivars in seed yield, size (2.3 to 2.8 seeds g⁻¹), and quality. Its cooking and food quality characteristics are similar to those of other popular pinto cultivars (2).

Othello has a unique combination of very early maturity (70 to 92 d) and effective field resistance to fusarium root rot [caused by *Fusarium solani* (Mart.) Sacc. f. sp. *phaseoli* (Burkholder) W.C. Snyder & H.N. Hans.]. It is also resistant to curly top virus and has *i bc2* gene resistance to bean common mosaic virus (BCMV). In greenhouse tests, Othello developed mild mosaic when inoculated with NL-4 (Mexican) strain (1) of BCMV and only local necrotic lesions with other recently identified exotic strains NL-5 (1) and TN-1 (5). Othello plants are typically vigorous, short, and fairly upright (CIAT Type IIIA). They produce a concentrated set of pods in the middle of the plant so that fewer pods touch the ground than with more viny and prostrate cultivars (3,4).

Production of breeder seed and distribution of foundation seed are under the direction of the Washington State University Seedhouse, Pullman, WA 99164. In Idaho, production and distribution of foundation seed are under the direction of the Idaho Crop Improvement Assoc., Inc., 1641 S. Curtis Rd., Boise, ID 83705.

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References and Notes


Registration of ‘Harold’ Pink Bean

‘Harold’ pink bean (*Phaseolus vulgaris* L.) (Reg. no. CV-119, PI 578262) was developed by the USDA-ARS in cooperation with Washington State University. It was jointly released in December 1983 by the USDA-ARS, Washington State University, the University of Idaho, and Oregon State University.

Harold is an F6 selection from the cross ‘Victor’/‘Aurora’/‘NY-15’ and a small white bean developed at Cornell University. Harold has effective field resistance to fusarium root rot caused by *Fusarium solani* (Mart.) Sacc. f. sp. *phaseoli* (Burkholder) W.C. Snyder & H.N. Hans.] and, like other pink cultivars, it is comparatively drought tolerant. Harold has vines that mature ≈90 d after planting. It has shorter vines and the plants are more concentrated and upright than those of other pink cultivars. Harold provides an increase in seeds larger than those of widely grown ‘Viva’ (3.4 to 3.6 seeds g⁻¹). Seed of Harold are similar in size (3.0 to 3.2 seeds g⁻¹) and color to those of ‘Sutter Pink’, a favored cultivar except for its susceptibility to all strains of BCMV. Food quality of Harold was found similar to that of other pink cultivars (2).

Breeder and foundation seed of Harold are maintained by the Washington State Crop Improvement Assoc., 114 N. 5th Ave., Yakima, WA 98902-2642, and by the Idaho Crop Improvement Assoc., Inc., 1641 S. Curtis Rd., Boise, ID 83705.

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References and Notes


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