REGISTRATION OF CROP CULTIVARS

REGISTRATION OF 'DYNASTY' WHEAT

'DYNASTY', PI506409, soft red winter wheat (Triticum aestivum L.) (Reg. no. 742) was developed and officially released by the Ohio State University, in 1987. Dynasty was tested prior to release as OH265 in state-wide trials in Ohio from 1982 through 1986. Dynasty was also tested in the Uniform Eastern Soft Red Winter Wheat Nursery in 1986 and 1987.

Dynasty originated from the complex cross: B.E.1-5/"Logan"/"Arthur"/3/N.Y. 5726aB-3B-23/TN1403. B.E.1-5, N.Y. 5726aB-3B-23, and TN1403 are experimental lines from Punjab Agricultural University, New York Agricultural Experiment Station, and the Ohio Agricultural Research and Development Center, respectively, which were never released as cultivars. First selected in 1973 as an F₁ plant, Dynasty was reselected in 1974 as a single F₂ plant and again in 1976 as an F₃ plant. Breeder seed consists of the progeny of 46 plants resorted for uniform appearance in the F₁₁ generation in 1981. Progeny of these 46 plants were increased and examined for uniformity and yield in 1982 through 1985, then bulked for use in producing breeder seed in 1986.

Dynasty is an awned cultivar with fusiform, upright spikes with white chaff. Glumes are long, medium wide, with oblique to square shoulders and acuminate beaks. Kernels are ovate with white chaff. Glumes are long, medium wide, with oblique to square shoulders and acuminate beaks. Kernels are ovate and red with a noncollared long brush. Phenol reaction is black, Coleoptile color is white and seedlings exhibit no anthocyanin.

by Puccinia recondita Rob. ex Desm. f. sp. tritici. It is moderately resistant to powdery mildew (Erysiphe graminis DC. f. sp. tritici). Dynasty is very resistant to wheat spindle streak mosaic virus (WSSM) and moderately resistant to powdery mildew (Erysiphe graminis DC. f. sp. tritici). Dynasty is of medium height, has medium early maturity that matures about 3 d later than Williams 82. Dynasty portrays excellent, high test wt. Winterhardiness of Dynasty was excellent, and Dynasty possesses very good resistance to current field races of leaf rust (caused by Puccinia graminis f. sp. glycinea Kuan and Erwin).

Foundation seed of Dynasty was produced by the Ohio State University, Wooster, OH 44691.

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References and Notes

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