Averaged across two seasons, protein content (dry matter basis) of Oh603 × B73 was 1.0 g kg⁻¹ higher than B73 × Mo17 and not significantly different from that of Pioneer brand 3343 and Dekalb brand 614 (LSD at P < 0.05 = 0.44 g kg⁻¹). Percent oil (dry matter basis) was 0.35 g kg⁻¹ higher than B73 × Mo17, 0.37 g kg⁻¹ higher than Dekalb brand 614, and not significantly different from Pioneer brand 3343 (LSD at P < 0.05 = 0.20 g kg⁻¹). Test weight of Oh603 × B73 testcrosses was examined during one season at one location from three replicate samples. Oh603 × B73 test weight was 58 kg m⁻² higher than B73 × Mo17, but was not significantly different from the commercial checks (LSD at P < 0.05 = 34 kg m⁻²). Indirect determinations of kernel vitreousness (floaters test in 1.275 specific gravity sodium nitrate solution) from replicated samples obtained during two seasons, confirmed the vitreous nature of Oh603 × B73 kernels (48% floaters, compared with a range of 83 to 96% for B73 × Mo17 and commercial checks’ kernels (LSD at P < 0.05 = 19%).

Midsilk date of Oh603 is 5 d later than B73. Oh603 is prolific and is a good pollen producer (mean number of tassel branches = 15). It produces 12-rowed ears with yellow kernels that are medium in size and flinty. Cob color is white. Observations have indicated that Oh603 has good plant health. Oh603 was released at the S₁ level of inbreeding. Breeder seed of Oh603 was produced by controlled self-pollination in the field. The distribution of 50 kernel samples, and maintenance of breeder seed, will be performed by the OSU Maize Germplasm Service, Department of Agronomy, OSU-OARD, 1680 Madison Ave., Wooster, OH 44691. Recipients of seed are asked to make appropriate recognition of the source of the germplasm if it is used in the development of a new cultivar, germplasm, parental line, or genetic stock.

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References and Notes
1. R. C. Pratt, Dep. of Agronomy, and E. J. Dollinger, Dep. of Agronomy (deceased), Ohio Agric. Res. and Development Ctr., The Ohio State Univ., 1680 Madison Ave., Wooster, OH 44691. OARDC Journal Article no. 169-93. Salaries and research support provided by State and Federal funds appropriated to the OARDC. The mention of firm names or trade products does not imply that they are endorsed or recommended by The Ohio State University or other firms or similar products not mentioned. Registration by CSSA. Accepted 31 Mar. 1994. *Corresponding author.

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