

PI 510670-continued

donor id: Md 79-5043. origin: United States. cultivar: Morgan. pedigree: Union/Miles. other id: CV-208. group: CSR-SOYBEAN. remarks: Maturity Group IV. Plants indeterminate, tawny pubescence. Flowers white. Pod walls tan. Seeds dull yellow with black hila. Cotyledons yellow. No known resistance to Phytophthora root rot or cyst nematode. disease resistance: Phomopsis seed decay, purple seed stain, and brown spot. Cultivar. Seed.

PI 510671 to 510674. Zea mays L. POACEAE Corn

Donated by: Cross, H.Z., Agronomy Department, North Dakota State University, Fargo, North Dakota, United States. Received July 15, 1987.

PI 510671 donor id: NDSCD. origin: United States. pedigree: Synthetic from one cycle of full-sib family sel. among 78 full-sib families between NDSC(FS)C1 and NDSD(FS)C1. other id: GP-161. group: CSR-MAIZE. remarks: Yellow endosperm, dent type. Grain yield 24% higher and stalk root lodging percentages equal to or better than the best parental synthetic in 1986. Maturity AES 300. Breeding population for use in short-growing season areas. Breeding Material. Seed.

PI 510672 donor id: NDSK(FS)C1. origin: United States. pedigree: Synthetic from one cycle of reciprocal full-sib selection among full-sib families of NDSA and NDSB. other id: GP-162. group: CSR-MAIZE. remarks: Similar yield and stalk lodging as parent NDSA. Significantly earlier as indicated by lower ear moisture at harvest, AES 200. Better root-loading resistance and higher test weight than NDSA. Breeding Material. Seed.

PI 510673 donor id: NDSL(FS)C1. origin: United States. pedigree: Synthetic from one cycle of reciprocal full-sib selection among full-sib families of NDSA and NDSB. other id: GP-163. group: CSR-MAIZE. remarks: Significantly higher yielding and test weight and lower root and stalk lodging percentages than its parent NDSB. Maturity AES 200. Breeding Material. Seed.

PI 510674 donor id: ND261. origin: United States. pedigree: Selected from NDSD(FS)C1. other id: PL-97. group: CSR-MAIZE. remarks: Plants medium height, early maturing. Ears below midpoint of stock. Leaves medium-long and moderately wide. Tassels medium-sized. Ears with 16-18 rows of small kernels borne on long shanks. Yellow dent type. Grain yield average. Ear moisture low at harvest. Root or stalk lodging absent. Breeding Material. Seed.