

PI 550546 to 550548-continued

PI 550548 **origin:** United States. **origin institute:** Mississippi Agr. and Forestry Exp. Sta., Mississippi State University, State College, Mississippi 39762. **cultivar:** MP707. **pedigree:** Developed by selfing selections from MpSWCB-4 for 8 generations. **other id:** GP-132. **source:** Crop Sci. 24(6):1217 1984. **group:** CSR-MAIZE. **remarks:** Plants short to medium in height. Kernels white. Cob white. Pollen production and seed yield good. Maturity is AES1200. Resistant to southwestern corn borer (*Diatraea grandiosella*) and fall armyworm (*Spodoptera frugiperda*). Intermediate resistance to southern corn rust (*Puccinia polysora*). Annual. Breeding Material. Seed.

PI 550549 to 550554. *Zea mays* L. subsp. *mays* POACEAE Corn

Donated by: Cross, H. Z., North Dakota Agr. Exp. Sta., North Dakota State University, 329 Walster Hall, Fargo, North Dakota, United States. Received 1984.

PI 550549 **origin:** United States. **origin institute:** North Dakota Agr. Exp. Sta., North Dakota State University, Fargo, North Dakota 58105. **cultivar:** NDSG(MS)C5. **pedigree:** Synthetic developed from NDSG by 5 cycles of mass selection for yield and standability. **other id:** GP-133. **source:** Crop Sci. 24(6):1217 1984. **group:** CSR-MAIZE. **remarks:** Yellow dent endosperm. Plants tall. Ear placement slightly below midplant. Lower test weight and more root lodging than NDSC. Better yield and stalk lodging resistance than NDSC. Maturity is AES200-300. Annual. Breeding Material. Seed.

PI 550550 **origin:** United States. **origin institute:** North Dakota Agr. Exp. Sta., North Dakota State University, Fargo, North Dakota 58105. **cultivar:** NDSC(FS)C1. **pedigree:** Synthetic developed by 1 cycle of reciprocal full-sib selection among full-sib families between NDSC and NDSD. **other id:** GP-134. **source:** Crop Sci. 24(6):1217 1984. **group:** CSR-MAIZE. **remarks:** Yellow dent endosperm. Plants taller than NDSC. Similar in maturity, shelling percentage, test weight, and lodging resistance as NDSC. Grain yield improved 26% over NDSC. Maturity is AES200-300. Annual. Breeding Material. Seed.