

PI 550494-continued

origin: United States. **origin institute:** Mississippi Agr. and Forestry Exp. Sta., Mississippi State, State College, Mississippi 39762. **cultivar:** Mp703. **pedigree:** Cross between S2 from Antigua Gpo. 1 and S8 from Antigua Gpo. 2 with 8 generations of selfing. **other id:** GP-83. **source:** Crop Sci. 20(3):418 1980. **group:** CSR-MAIZE. **remarks:** Plant medium-tall, flowers 10-14 days later than Mp496. Good pollen production. Ear shoot development poor under drought. Leaf-feeding resistance to southwestern corn borer (*Diatraea grandiosella*), fall armyworm (*Spodoptera frugiperda*) and southern corn rust (*Puccinia polysora*). Annual. Breeding Material. Seed.

PI 550495. *Zea mays* L. subsp. *mays* POACEAE Corn

Donated by: Loesch, Jr., P. J., Iowa State University, 101E Agronomy, Ames, Iowa, United States. Received 1980.

origin: United States. **origin institute:** Iowa Agr. and Home Econ. Exp. Station, Iowa State University, Ames, Iowa 50011. **cultivar:** BSBB02(S)C2. **pedigree:** Improved opaque-2 population developed from Iowa Synthetic BB (BSBB). **other id:** GP-86. **source:** Crop Sci. 20(4):554 1980. **group:** CSR-MAIZE. **remarks:** Maturity is AES800. Improved protein quality. Annual. Breeding Material. Seed.

PI 550496 to 550497. *Zea mays* L. subsp. *mays* POACEAE Corn

Donated by: Warren, H. L., Agricultural Research Service -- USDA, Botany & Plant Pathology Dept, Purdue University, W. Lafayette, Indiana, United States. Received 1980.

PI 550496 **origin:** United States. **origin institute:** Indiana Agr. Exp. Sta., Purdue University, W. Lafayette, Indiana 47907. **cultivar:** H102. **pedigree:** Mb 19-3(selection of PI 209135)/C123. **other id:** GP-88. **source:** Crop Sci. 21(3):477 1981. **group:** CSR-MAIZE. **remarks:** Dent corn. Kernels yellow. Leaves upright. Stalk lodging, kernel weight, and ear size improved relative to parents. Maturity is AES700. Intermediate resistance to southern leaf blight and Stewart's wilt. Resistant to northern leaf blight races 1 and 2, anthracnose leaf blight and sorghum downy mildew. Annual. Breeding Material. Seed.