

PI 550442-continued

**origin:** United States. **origin institute:** Missouri Agr. Exp. Sta., University of Missouri, Columbia, Missouri 65201. **cultivar:** MO20W. **pedigree:** N6/Mo22. **other id:** PL-35. **source:** Crop Sci. 13(6):779 1973. **group:** CSR-MAIZE. **remarks:** Endosperm white. Cob white. Maturity is AES800. Stalk quality good. Inbred line easy to maintain. Good resistance to maize dwarf mosaic virus. Annual. Breeding Material. Seed.

PI 550443 to 550472. *Zea mays* L. subsp. *mays* POACEAE Corn

**Donated by:** Iowa Agr. and Home Econ. Exp. Station, Iowa State University, Ames, Iowa, United States. Received 1971.

PI 550443 **origin:** United States. **origin institute:** Iowa Agr. and Home Econ. Exp. Station, Iowa State University, Ames, Iowa 50010. **cultivar:** B49. **pedigree:** A277/41.2504B. **other id:** GP-1. **source:** Crop Sci. 11(1):140 1971. **group:** CSR-MAIZE. **remarks:** Maturity is AES900. Very high resistance to first brood of European corn borer (*Ostrinia nubilalis*) and good resistance to second brood. Some resistance to northern corn leaf blight (*Helminthosporium turcicum*) and corn leaf rust (*Puccinia sorghi*). Annual. Breeding Material. Seed.

PI 550444 **origin:** United States. **origin institute:** Iowa Agr. and Home Econ. Exp. Station, Iowa State University, Ames, Iowa 50010. **cultivar:** Iowa Stiff Stalk Synthetic No. 2. **pedigree:** Cross between two strains of Iowa Stiff Stalk Synthetic. The first strain developed after 4 cycles of reciprocal recurrent selection for yield and the second strain after 6 cycles for general combining ability. **other id:** GP-10. **source:** Crop Sci. 11(1):140 1971. **group:** CSR-MAIZE. **remarks:** Synthetic line developed to study effects of recurrent selection on mean yields and genetic variability. Annual. Breeding Material. Seed.

PI 550445 **origin:** United States. **origin institute:** Iowa Agr. and Home Econ. Exp. Station, Iowa State University, Ames, Iowa 50010. **cultivar:** Iowa Super Stiff Stalk Synthetic. **pedigree:** Combined 10 inbred lines selected from the original Iowa Stiff Stalk Synthetic. The lines are B10, B14, B37, B40, B43, B44, R101, (B11/B13)-1-8, SSS312-3. **other id:** GP-11. **source:** Crop Sci. 11(1):140 1971. **group:** CSR-MAIZE. **remarks:** Root and stalk strength good. High general combining ability. Annual. Breeding Material. Seed.