PI 540552-continued

origin: United States. **origin institute:** Agricultural Research Service -- USDA, Wooster, Ohio 44691. **cultivar:** Hoyt. **pedigree:** Harcor x Elf. **other id:** CV-267. **source:** Crop Sci. 31(1):231 1991. **group:** CSR-SOYBEAN. **other id:** HC78-523. **source:** Prior designation. **remarks:** Determinate semidwarf type. Maturity group II. Short stature. Highly resistant to lodging with high yield potential. Specific adaptation to high yield environments (>3300 kg/ha) where lodging frequently limits yields of taller cultivars. Should be solid-seeded in 17cm row width at 75 seeds/m2 for maximum yield. Annual. Cultivar. Seed.

PI 540553. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Palmer, R.G., Agricultural Research Service -- USDA, Iowa State University, Ames, Iowa, United States; **and** Wyoming Agr. Exp. Sta.; **and** Asgrow Seed Co.. **remarks:** w4-m w4-m Soybean Genetic Stock. Received May 07, 1990.

origin: United States. **origin institute:** Agricultural Research Service -- USDA, Ames, Iowa 50011. **cultivar:** w4-m w4-m. **pedigree:** X1878/X2717. Line X2717 from cross Corsoy/Essex. Line X1878 from cross Amsoy 71/AG52109. **other id:** GS-2. **source:** Crop Sci. 30(6):1376 1990. **group:** CSR-SOYBEAN. **other id:** W4-mutable. **other id:** Asgrow Mutable. **remarks:** Maturity mid group II. Plant height medium. Growth habit interminate. Most plants chimeral for anthocyanin pigmentation. Mutable plants produce both near-white and purple flowers, as well as flowers of mutable phenotype with purple sectors on near white petals. Useful for developmental studies and for analysis of anthocyanin gene expression. Many new mutants have been isolated from the W4-. Spring Annual. Genetic Material. Seed.

PI 540554. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Nickell, C.D., Illinois Agr. Exp. Sta., University of Illinois, 1102 S. Goodwin Ave., Urbana, Illinois, United States. **remarks:** Bell Soybean. Received May 07, 1990.