PI 542774 **origin:** United States. **origin institute:** Agricultural Research Service -- USDA, 37860 W. Smith-Enke Rd., Maricopa, Arizona 85239. **cultivar:** P66. **pedigree:** F5 selection from 6614-91-9-3/6910-20-1-5. **other id:** GP-483. **group:** CSR-COTTON. **remarks:** Grown in 12 replicated tests in Pima belt in 1985 and 1986. 1986. Plant height 84cm. Yield potential 1232 kg ha-1. Lint percentage 42.1. Fiber length 34.0mm for 2.5% span length and 15.7mm for 50% span length. T1 fiber strength 316 mN/tex. Micronaire 3.69 units. Spring Annual. Breeding Material. Seed.

PI 542775 **origin:** United States. **origin institute:** Agricultural Research Service -- USDA, 37860 W. Smith-Enke Rd., Maricopa, Arizona 85239. **cultivar:** E15. **pedigree:** F6 selection from family EL-5782 derived from hybrid B germplasm pool developed at El Paso, Texas. **other id:** GP-484. **group:** CSR-COTTON. **remarks:** Grown in 37 replicated tests in Pima belt from 1979 through 1982. Plant height 113cm. Yield potential 1160 kg ha-1. Lint percentage 38.0. Fiber length 34.5mm for 2.5% span length and 16.5mm for 50% span length. T1 fiber strength 317 mN/tex. Micronaire 3.68 units. Spring Annual. Breeding Material. Seed.

PI 542776 to 542778. Zea mays L. subsp. mays POACEAE Corn

Donated by: Ashman, R.B., Indiana Agr. Exp. Sta., Purdue University, West Lafayette, Indiana, United States. **remarks:** No Certificate Requested. Received July 23, 1990.

PI 542776 **origin:** United States. **origin institute:** Indiana Agr. Exp. Sta., Purdue University, West Lafayette, Indiana 47907-1155. **cultivar:** HP62-02. **pedigree:** Derived from cross between Supergold and Early Yellow. Test crosses made on Supergold/Amber Pearl single cross and selection made primarily for high popping expansion volume. **other id:** PL-155. **group:** CSR-MAIZE. **remarks:** Plant height 115cm and 61cm to ear bearing node. Days to mid-pollen-shed average 70 and to midsilk 74. Ears average 17cm in length with 14 rows of kernels and have good husk coverage. Kernels have yellow endosperm and large enough to make satisfactory seed parent (87 k/10 g). Pollen production fair. Cross (dent) sterile (Gal-s). Breeding Material. Seed.