

PI 557503 to 557533-continued

PI 557532 **donor id:** U398. **origin:** United States. **pedigree:** The ch5 chv mutations carried by line U398 were isolated following ethyl methanesulfonate treatment of seed of line U389, a small, annual, white-flowered, autogamous strain of sweetclover derived from PI 165554. **other id:** Q858. **remarks:** Plants homozygous for ch5 chlorophyll deficiency gene and chv dark leaf venation gene; ch5 and chv are both simple recessives. Leaves have reduced levels of total chlorophyll, no chlorophyll b, and dark veins. Work on U398 has been reported in Biochem. Gen. 28:31. 1990. Seed should be scarified before planting. Annual. Genetic Material. Seed.

PI 557533 **donor id:** U500. **origin:** United States. **pedigree:** U500 (ch5ch5dwdw genotype) was developed by crossing U395 (ch5ch5DwDw) / U390 (Ch5Ch5dwdw), identifying the ch5ch5dwdw genotype in the F2 generation, and self-pollinating this genotype. **remarks:** Plants homozygous for ch5 chlorophyll deficiency gene and dw short-internode dwarf gene. Both mutations were isolated following treatment of U389 sweetclover seed with ethyl methanesulfonate. Seed should be scarified before planting. Annual. Genetic Material. Seed.

PI 557534. *Gossypium hirsutum* L. MALVACEAE Cotton

Donated by: Cantrell, R.G., New Mexico Agr. Exp. Sta., New Mexico State Univ., Las Cruces, New Mexico, United States. **remarks:** Acala 1517-91. Received November 22, 1991.

origin: United States. **origin institute:** New Mexico Agr. Exp. Sta., New Mexico State Univ., Las Cruces, New Mexico 88003-0003. **cultivar:** ACALA 1517-91. **pedigree:** Acala 8130 / Acala 8874. **other id:** CV-99. **group:** CSR-COTTON. **remarks:** Plant height averages 94cm. Plant maturity 78% as measured by % of total crop harvested at first picking. Tolerance to *Verticillium* wilt at Las Cruces, NM, was 1.8 (1 = most tolerant, 5 = most susceptible). Bolls ovate and average 2.51g of lint per boll. Seed medium. Cultivar. Seed.

PI 557535 to 557536. *Glycine max* (L.) Merr. FABACEAE Soybean

Donated by: Nickell, C.D., Illinois Agr. Exp. Sta., University of Illinois, Urbana, Illinois, United States; and Agricultural Research Service -- USDA. **remarks:** L84-5873 and L84-5932 Germplasm Lines. Received November 22, 1991.