

PI 532833 to 532834. *Glycine max* (L.) Merr. FABACEAE Soybean

Donated by: Wilcox, J.R., USDA-ARS, Dept. of Agronomy, Purdue University, West Lafayette, Indiana, United States; and Cavins, J.F., Northern Regional Res.Ctr., USDA-ARS, 1815 N. University Street, Peoria, Illinois, United States. **remarks:** Developed and released cooperatively by USDA-ARS and Purdue Univ. Agric. Exp. Stn. Received June 01, 1989.

PI 532833 **donor id:** C1726. **origin:** United States. **pedigree:** M2 plants of 'Century' treated with ethyl methanesulfonate. **other id:** GP-116. **group:** CSR-SOYBEAN. **remarks:** Palmitic acid content low (8.5%) because of fap1 allele. Plants similar to 'Century' in height, lodging, and oil and protein content of seed. Maturity group II. Flowers purple. Pubescence tawny. Pods brown. Seeds shiny yellow with black hila. Seed yield of 3050 kg per hectare (mean of C1726 and C1727) compared to 3440 kg per hectare for 'Century' in Indiana tests. Annual. Breeding Material. Seed.

PI 532834 **donor id:** C1727. **origin:** United States. **pedigree:** M2 plants of 'Century' treated with ethyl methanesulfonate. **other id:** GP-117. **group:** CSR-SOYBEAN. **remarks:** Palmitic acid content high (17.2%) because of fap2 allele. Plants similar to 'Century' in height, lodging, and oil and protein content of seed. Maturity group II. Flowers purple. Pubescence tawny. Pods brown. Seeds shiny yellow with black hila. Seed yield of 3050 kg per hectare (mean of C1726 and C1727) compared to 3440 kg per hectare for 'Century' in Indiana tests. Annual. Breeding Material. Seed.

PI 532835 to 532836. *Nicotiana tabacum* L. SOLANACEAE Tobacco

Donated by: Rufty, R.C., Dept. of Crop Science, North Carolina State University, Raleigh, North Carolina, United States. **remarks:** Developed by North Carolina State University and released by North Carolina Agric. Research Service in April, 1987. Received June 01, 1989.

PI 532835 **donor id:** NC-BMR 42. **origin:** United States. **pedigree:** Ovens 62/McNair 944. **other id:** GP-40. **group:** CSR-TOBACCO. **other id:** DH-42. **remarks:** Double-haploid line resistant to blue mold. Nicotine and reducing sugars concentration acceptable. Quality grade index and physical characteristics of cured leaves lower than McNair 944 (blue mold susceptible). Resistant to fungicide Metalaxyl. **disease resistance:** Blue mold(*Peronospora tabacina*). Annual. Breeding Material. Seed.