

PI 568258 to 568259-continued

PI 568259 **origin:** United States. **cultivar:** PR18-4. **pedigree:** (*Lycopersicon peruvianum*, PI 128655/*L. esculentum* cv. Bonny Best)/self-open pollinated five generations. **remarks:** F5 hybrid immune or extremely resistant to phloem-inhabiting pathogens of tomato and potato: beet curly top virus (BCTV), tomato yellow top virus (TYTV), potato leafroll virus (PLRV), and the beet leafhopper transmitted virescence agent BLTVA, which causes potato purple top and tomato big bud diseases. Plants upright, about 1 m tall. Flowers yellow. Leaves compound, 7-9 leaflets, grayish olive green upper surface, and slightly waxy. Fruits 1.5-2cm diam., light yellow green with dark green shoulders when ripe. Seed ovate, about 2.3mm, dark gray. Spring Annual. Breeding Material. Seed.

PI 568260 to 568261. *Glycine max* (L.) Merr. FABACEAE Soybean

Donated by: Burton, J.W., Agricultural Research Service -- USDA, USDA Plant Science Bldg., 3127 Ligon St., Raleigh, North Carolina 27607, United States; and North Carolina Agricultural Res. Service. **remarks:** N79-2077-12 and N87-2122-4 Low Palmitic Soybean Germplasms. Received May 27, 1993.

PI 568260 **origin:** United States. **developed:** J.W. Burton, R.F. Wilson, C.A. Brim. **origin institute:** Agricultural Research Service -- USDA, USDA Plant Science Bldg., 3127 Ligon St., Raleigh, North Carolina 27607 United States. **cultivar:** N79-2077-12. **pedigree:** F9 derived line selected from recurrent selection population whose parents were PI 90406, PI 92567 and N69-2774. **other id:** GP-154. **source:** Crop Sci. 34(1):313 1994. **group:** CSR-SOYBEAN. **restricted:** CSR. **remarks:** Reduced palmitic acid in seed oil, 60mg per g oil. Flowers white and gray pubescence. Seeds yellow with buff hila and shiny seed coat luster. Average weight per seed 175mg Flowers July 18 and matures October 8 in a full season planting in North Carolina. Spring Annual. Breeding Material. Seed.