The following were developed by C.G. McKee, Maryland Agr. Exp. Sta., Univ. of Maryland, Dept. of Agronomy, College Park, Maryland 20742, United States; M.K. Aycock, Jr., University of Maryland, Dept. of Agronomy, College Park, Maryland 20742, United States. Received 09/09/1994.

PI 583833. Nicotiana tabacum L.
Cultivar. Pureline. "MD 40"; Maryland type tobacco. CV-110. Pedigree - [(A911 x MD 609) x MD 609] BC1F8. Resistance to tobacco mosaic virus (TMV), wildfire (Pseudomonas syringae pv. tabaci), and black shank (Phytophthora parasitica var. nicotianae). Similar to MD 609 for yield and quality. Leaves long with medium width and pointed tips. Tall (91.7cm), flowers 70 days after transplanting, and contains 2.67% total alkaloids.

The following were developed by Jeff Pedersen, USDA, ARS, Sorghum Research, East Campus, University of Nebraska, Lincoln, Nebraska 68583, United States; Ronny R. Duncan, University of Georgia, Georgia Agriculural Exp. Station, Department of Agronomy, Griffin, Georgia 30223-1797, United States; B.E. Johnson, University of Nebraska, Dept. of Agronomy, Lincoln, Nebraska 68583-0915, United States. Received 09/09/1994.

PI 583834. Sorghum bicolor (L.) Moench
Breeding. Population. NP26 Sorghum Population. GP-383. Pedigree - 5 cycles of recurrent selection starting with NP20BR. Developed from NP20BR (a broadly based population with attributes including high protein content, high lysine, and yellow endosperm). Five cycles of recurrent selection for disease resistance (primarily anthracnose) were used. Source of disease resistance (anthracnose) in a high grain quality population.

The following were developed by G.L Graef, Nebraska Agr. Exp. Sta., University of Nebraska, Lincoln, Nebraska 68583-0915, United States; J.E. Specht, Nebraska Agr. Exp. Sta., University of Nebraska, Lincoln, Nebraska 68583-0915, United States; Zhiqiang Sun, Nebraska Agr. Exp. Sta., University of Nebraska, Lincoln, Nebraska 68583-0915, United States; L.L. Korte, Nebraska Agr. Exp. Sta., University of Nebraska, Lincoln, Nebraska 68583-0915, United States; D.M. White, Nebraska Agr. Exp. Sta., University of Nebraska, Lincoln, Nebraska 68583-0915, United States. Received 09/09/1994.

PI 583835. Glycine max (L.) Merr.
Cultivar. Pureline. "MERCURY"; U90-3614. CV-331. Pedigree - T208 x Hobbit. Late maturity group II with purple flowers, gray pubescence, tan pods, and determinate stem growth habit. Average plant height 75cm. Seeds dull yellow with light buff hila and average seed size of 75mg seed-1. Average seed composition 40% protein and 20% oil on a dry matter basis. Not tested for reaction to specific soybean diseases. Released because of small seed size and good agronomic performance which makes it suitable for use as sprouts or in the natto market.

The following were developed by M. C. Engelke, Texas A&M University, Research and Extension Center, 17360 Coit Road, Dallas, Texas 75252, United States; Terrance P. Riordan, University of Nebraska, 377 Plant Science, Lincoln, Nebraska 68583-0774, United States; J.M. Johnson-Cicalese, University of Nebraska-Lincoln, 377 Plant Science, Lincoln, Nebraska 68583-0724, United States; F.P. Baxendale, University of Nebraska-Lincoln, 377 Plant Science, Lincoln, Nebraska 68583-0724, United States; R.E. Gaussoin, University of Nebraska-Lincoln, 377 Plant Science, Lincoln, Nebraska 68583-0724, United States; G.L. Horst, University of Nebraska-Lincoln, 377 Plant Science, Lincoln, Nebraska 68583-0724, United States; R.C. Shearman, University of