

80. Days to 75% mat. 124. Plant height 138cms. 100 seed mass 6.9g. Seed color dark brown with oval seed shape. Susceptible to all diseases. Susceptible to insects.

PI 586686. *Cajanus cajan* (L.) Millsp.

Breeding. ICPM 93008. PL-3. Pedigree - Male-sterile stock MS 3A / T 21. Short-duration genetic male-sterile parental line characterized by easily identifiable fully grown translucent anthers. Stem color green. Plant type indeterminate. Branching profuse. Flower color yellow with red streaks of medium to dense intensity. Pod color green with dark brown streaks on surface. Leaf color green, size medium. Days to 50% flowering 99. Days to 75% maturity 125. Plant height 218cms. 100 seed mass 8.9g. Seed color dark brown with oval seed shape. Susceptible to all diseases. Susceptible to insects.

The following were developed by David A. Van Sanford, University of Kentucky, Dept. of Agronomy, Ag. Sci. Ctr. N-106K, Lexington, Kentucky 40546-0091, United States; C.R. Tutt, Kentucky Agric. Exp. Station, Princeton, Kentucky, United States; C.S. Swanson, Kentucky Agric. Exp. Station, University of Kentucky, Lexington, Kentucky, United States; W.L. Pearce, Kentucky Agric. Exp. Station, Lexington, Kentucky, United States; L.J. Tomes, Kentucky Agric. Exp. Sta., Dept. of Agronomy, University of Kentucky, Lexington, Kentucky 40546-0091, United States; D.E. Hershman, Kentucky Agric. Exp. Sta., Dept. of Plant Pathology, Univ. of Kentucky, Lexington, Kentucky 40546-0091, United States. Received 02/23/1995.

PI 586687. *Triticum aestivum* L., nom. cons.

Breeding. Pureline. KY 83C-16-2. GP-424. Pedigree - IN65309C1-182-3/IL 77-2756//IN65309C1-182-3/Florida 302. White-chaffed, awnletted soft red winter with intermediate size kernels. High yielding. Moderately late maturing with excellent straw strength, lodging resistance and winterhardiness. Resistance to powdery mildew (*Erysiphe graminis*), leaf blotch (*Septoria tritici*), glume blotch (*Phaeosphaeria nodorum*). Moderately susceptible to leaf rust (*Puccinia recondita*).

The following were developed by M.H. Yu, USDA, ARS, U.S. Agricultural Research Station, 1636 East Alisal St., Salinas, California 93905, United States. Received 02/23/1995.

PI 586688. *Beta vulgaris* var. *maritima* (L.) Moq.

Breeding. Population. M66. GP-166. Pedigree - Pooled seed of cycle 1, synthesis 1 from open pollination of WB 66 *Beta maritima* plants. Multigerm, partially self-compatible line derived from accession WB 66, designated PI 546387. Highly variable in bolting, plant type, and pigmentation. After inoculation of 1,000 *Meloidogyne incognita* race 1 second-stage juveniles (J2) per plant, 18 percent of seedlings from the initial accession were resistant (i.e. with fewer than 10 galls and/or protuberances per root system). Nematode resistance is heritable. Valuable as a root-knot nematode resistant germplasm source for conducting sugarbeet breeding and root-knot nematode resistance studies.

The following were developed by Brent E. Zehr, Purdue University, Dept. of Agronomy, West Lafayette, Indiana 47907-1150, United States; B.R. Hamaker, Purdue University, Dept. of Food Science, West Lafayette, Indiana 47907-1160, United States. Received 02/27/1995.

PI 586689. *Zea mays* L. ssp. *mays*

Breeding. Population. HQPSCB. GP-321. Pedigree - Pool 33 QPM(Early)/2*BSCB1(R)C11. F1 progenitor averaged flowering date of 65 d (1331 GDD-base 50). Relative maturity classification of AES700-800. Kernel types range from semi-flint to soft dent. Incorporates germplasm