

[Forrest X F5 line (Centennial X Peking)]. Maturity late Group IV. Growth habit determinate. Flowers white. Pubescence tawny. Pod walls tan at maturity. Seed yellow with black hila. Protein and oil content of seed 40.1 and 20.3 percent. Seed size 13.5g per 100. Resistant to bacterial pustule (*Xanthomonas campestris* pv. *glycines*), sudden death syndrome (*Fusarium solani*), soybean cyst nematode (*Heterodera glycines*), common root knot nematode (*Meloidogyne incognita*), and peanut root knot nematode (*M. arenaria*).

The following were developed by Edgar E. Hartwig, USDA, ARS, Soybean Production Research, P.O. Box 196, Stoneville, Mississippi 38776, United States. Received 06/09/1995.

**PI 590579. *Glycine max* (L.) Merr.**  
Breeding. Pureline. D90-7256. GP-177. Pedigree - Forrest X D76-8070. Maturity Group V. Growth habit determinate. Growth type very similar to Forrest. Differs from Forrest in appreciably higher seed protein. Seed yield similar to Forrest.

The following were donated by Utah USDA, ARS, Utah, United States. Received 1961.

**PI 590580. *Beta vulgaris* L.**  
Breeding. US 033. Pedigree - Originated from variety US No. 1. Early multigerm curly-top resistant variety with relatively high sugar percentage. Intermediate degree of curly top resistance makes variety useful as a standard check in comparing other curly-top resistant varieties.

**PI 590581. *Beta vulgaris* L.**  
Breeding. US 015. Developed in United States. First non-bolting curly-top resistant variety.

**PI 590582. *Beta vulgaris* L.**  
Breeding. US 056/2. Pedigree - Selected from variety US 56. Principal variety grown in Imperial Valley of California about 1951 to 1958. Non-bolting behavior makes possible planting in Sept. and harvest the next Spring or early Summer.

**PI 590583. *Beta vulgaris* L.**  
Breeding. US 035. Pedigree - Originated from 16 beets selected from US 22/3. From a very rigid selection in sugar percentage. Hence, recognized as the first high sugar variety which also possesses a high degree of curly-top resistance.

**PI 590584. *Beta vulgaris* L.**  
Breeding. US 035-0. Pedigree - Selection from variety US 35. High in sugar and curly-top resistance. Resembles US 35 from which variety was developed. Segregates for 50% Mendelian (aa) male-sterility.

**PI 590585. *Beta vulgaris* L.**  
Breeding. CT 7. Self-fertile, curly top resistant inbred line which segregates for Mendelian male sterility. SL 3070 segregates to extent of 10% aa Mendelian male steriles. Produces excellent hybrids, is high sugar type, extremely low in Na content but very high in amino nitrogen.

The following were developed by J.S. McFarlane, USDA-ARS, U.S. Agricultural Research Station, P.O. Box 5098, Salinas, California 93915, United States. Donated by Utah USDA, ARS, Utah, United States. Received 1961.

**PI 590586. *Beta vulgaris* L.**