

by *Rhizoctonia solani*. Moderate resistance to leaf spot caused by *Cercospora beticola*. Mostly self sterile. Flowers after short induction (easy bolting), plus/minus 50% pink hypocotyl. For breeder use as a pollinator to produce triploid *rhizoctonia* resistant hybrids. Good combining ability for sucrose production.

The following were donated by J. C. Theurer, Sugarbeet Investigations, Crops Res. Lab., Utah State Univ., Logan, Utah 84322, United States. Received 1982.

**PI 590725. *Beta vulgaris* L. ssp. *vulgaris***

Breeding. "L34". GP-70. Self-fertile, green hypocotyl, near O-type, multigerm inbred line selected for high resistance to curly top. More vigorous than L35 and has a curly top rating equal to L35. Not been tested extensively for combining ability. Few hybrids w/Logan CMS inbreds have shown root yield and sucrose percentage equal to that of GW-Mono-Hy-D2.

**PI 590726. *Beta vulgaris* L. ssp. *vulgaris***

Breeding. "L40". GP-71.

**PI 590727. *Beta vulgaris* L. ssp. *vulgaris***

Breeding. "L50". GP-72.

The following were donated by Cole, USDA, ARS, North Dakota State University, Fargo, North Dakota 58105, United States. Received 1982.

**PI 590728. *Beta vulgaris* L. ssp. *vulgaris***

Breeding. "F1003". GP-85.

The following were donated by Richard Hecker, USDA, ARS, Crops Research Lab., Colorado State University, Fort Collins, Colorado 80521, United States. Received 1982.

**PI 590729. *Beta vulgaris* L. ssp. *vulgaris***

Breeding. "FC 711". GP-87. Multigerm, pollen fertile, self sterile sugarbeet. *Rhizoctonia* root rot resistant. Diploid ( $2x = 18$ ) and segregates for pink and green hypocotyl color. Originally from 2 heterogen breeding lines that were the most root rot resistant among 9 accessions from Japan. Has lower sucrose content. Diversity provides breeders the potential use as a pollin. to breed *Rhizoctonia* resistant hybrids.

The following were collected by LeCohec, France. Donated by Robert T. Lewellen, USDA, ARS, U.S. Agricultural Research Station, 1639 E. Alisal St., Salinas, California 93905, United States. Received 1982.

**PI 590730. *Beta vulgaris* L. ssp. *vulgaris***

Cultivar. MELANGE S. Collected 02/25/1981 in France. Pedigree - Composite of 7 diploid sugarbeet varieties -- one Danish, two Dutch, two German, and two French.

**PI 590731. *Beta vulgaris* L. ssp. *vulgaris***

Cultivar. MELANGE T. Collected 02/25/1981 in France. Pedigree - Composite of three KWS diploid sugarbeet varieties.

The following were donated by Robert T. Lewellen, USDA, ARS, U.S. Agricultural Research Station, 1639 E. Alisal St., Salinas, California 93905, United States. Received 1982.