

general combining ability for root yield. Equal to US41 in curly top resistance.

PI 590692. *Beta vulgaris* L. ssp. *vulgaris*

Breeding. "L38". GP-38. Pedigree - Derived from a synthetic with a complex pedigree that includes CT9 and CT5, curly top resistant selection GW304, a cultivar of Great West. Sugar Co. SP6322-0, a *Cercospora* leaf spot resistant line, and a curly top selection from US22/3. S subscript 3 green hypocotyl, self-fertile, multigerm, near Type O line. Good combining ability for yield and curly top resistant equivalent to cultivar US41.

PI 590693. *Beta vulgaris* L. ssp. *vulgaris*

Breeding. "L61". GP-40. Pedigree - Developed by crossing SLC129 CMS to L60, selecting the most fertile pollen marr: dehiscent plants, and backcrossing them to SLC129 CMS for 4 selection cycles. S subscript 4 self-fertile, green hypocotyl monogerm, pollen fertility restorer inbred equivalent to SLC129, a parent of the cultivar USH20. Fair curly top disease resistance. Combining ability equal to SLC129 and can be used as a male parent of 4-way crosses.

The following were donated by G. E. Coe, USDA, ARS, Field Crops Lab., Lab. 6B, Bldg. 009, BARC-West, Beltsville, Maryland 20705, United States. Received 1980.

PI 590694. *Beta vulgaris* L. ssp. *vulgaris*

Breeding. SP78564-0. O-type monogerm maintainer line of cytoplasmic male-sterile SP79564-01. Moderately resistant to black root and highly resistant to leaf spot. Originated from a selection out of SP70B4-31, an O-type monogerm line.

The following were donated by W. M. Bugbee, North Dakota State University, Dept. of Pathology, Walster Hall, Fargo, North Dakota 58105, United States. Received 1980.

PI 590695. *Beta vulgaris* L. ssp. *vulgaris*

Breeding. "F1001". GP-15. Pedigree - Selection from the multigerm USSR introduction VNIS F526. High level of resistance to *P. betae* and moderate resistance to *P. claviforme*. Developed by interpollin. of 2 plants highly resistant to *P. betae*, followed by interpollination of 15 resistant plants in the second generation.

PI 590696. *Beta vulgaris* L. ssp. *vulgaris*

Breeding. "F1002". GP-16. Pedigree - Selection from multigerm FC701/4, a line devel. by ARS for resistance to *Rhizoctonia* crown rot. High level of resistance to *P. betae* and moderate levels of resistance to *B. cinerea* and *P. claviforme*. Developed from a single plant selection as resistance to *P. betae*, followed by interpollin. of 8 superior plants.

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PI 590697. *Beta vulgaris* L. ssp. *vulgaris*

Breeding. SP70756-0. Pedigree - Originated from a cross between SP65406-0 monogerm O-type X SP6542-0 multigerm O-type. O-type monogerm line used to maintain the cytoplasmic male-sterility of SP 70756-01. Moderate black root resistance, better than US 401, and good leaf spot resistance, better than US H21.

PI 590698. *Beta vulgaris* L. ssp. *vulgaris*