

SP73514-01 in black root resistance and is slightly more resistant to leaf spot.

PI 590673. *Beta vulgaris* L. ssp. *vulgaris*

Breeding. SP73514-01. A cytoplasmic male sterile monogerm line. Slightly more vigorous than its maintainer line, SP73514-01. Good leaf spot resistance, superior to US H20 and approx. equal to US H21. Very good black root resistance, superior to either of these hybrids. When crossed to SP6822-0, a standard pollin., hybrid produces only about 85-90% as much root yield as USH20 and was lower in raw juice, but higher sucrose %.

The following were donated by Edward J. Ryder, USDA, ARS, 1636 E. Alisal Street, Salinas, California 93905, United States. Received 1979.

PI 590674. *Beta vulgaris* L. ssp. *vulgaris*

Breeding. Y45. Moderate resistance to virus yellows (BYV, BWYV), and powdery mildew. Curly top susceptible. Easy bolting. Introduced from the Netherlands as Acc. 125. Multigerm and self-sterile. Lax type with long petioles.

PI 590675. *Beta vulgaris* L. ssp. *vulgaris*

Breeding. "C32". GP-75. Released 1978. Moderate resistance to beet mosaic and virus yellows. Moderately susceptible to curly top and bolting. Tonnage type. Multigerm and self-sterile. A low frequency of annualism may still exist.

PI 590676. *Beta vulgaris* L. ssp. *vulgaris*

Breeding. NB1 (S20). Long term inbred (20 generations of selfing) developed from NB1. Possesses resistance to bolting and curly top.

The following were developed by Helen Savitsky. Donated by Edward J. Ryder, USDA, ARS, 1636 E. Alisal Street, Salinas, California 93905, United States. Received 1979.

PI 590677. *Beta vulgaris* L. ssp. *vulgaris*

Breeding. SLC 015. Self-sterile monogerm line.

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PI 590678. *Beta vulgaris* L. ssp. *vulgaris*

Breeding. US 201. Breeding line with high leafspot resistance.

PI 590679. *Beta vulgaris* L. ssp. *vulgaris*

Breeding. "C01". GP-20. Moderately resistant to virus yellows. Moderately low curly top resistance. Multigerm, self-sterile. Good sucrose content.

PI 590680. *Beta vulgaris* L. ssp. *vulgaris*

Breeding. "C43". GP-74. Released 1978. Moderate resistance to beet mosaic, virus yellows, curly top, Erwinia soft rot, and bolting. Similar to C17 but lower sucrose content. Multigerm, self-sterile. May still possess a low frequency of annualism from mosaic resistant source.

PI 590681. *Beta vulgaris* L. ssp. *vulgaris*

Breeding. "C02". PL-14. A self-sterile, multigerm, green-hypocotyl line selected from line C13. Derived from 3 cycles of mass selection. In injury-innocul. field tests about 85% of plants were resistant. Slightly less vigorous than C36, but in a preliminary combination ability test showed slightly better combining ability for sugar yield than either C13