

Moderate resistant to cercospora leaf spot. Multigerm. Mostly self-sterile. Easy bolting.

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**PI 590665. *Beta vulgaris* L. ssp. *vulgaris***

Breeding. SP70641-01. A cytoplasmic male-sterile monogerm line with moderate to good black root resistance, better than USH20. Good leaf spot resistance, equal to USH21. The single-cross hybrid, SP70641-01 x SP6822-0, yielded about 95% as much sugar as USH20 and was slightly lower in percent sucrose and % purity.

**PI 590666. *Beta vulgaris* L. ssp. *vulgaris***

Breeding. SP70641-0. A pollen-fertile monogerm maintainer line for the cytoplasmic male-sterile, SP70641-01. Moderate black root resistance, perhaps slightly more resistant than USH20. Good leaf spot resistance, equal to USH21.

**PI 590667. *Beta vulgaris* L. ssp. *vulgaris***

Breeding. SP76745-0. A pollen-fertile monogerm maintainer line for the cytoplasmic male-sterile, SP76745-01. Moderate black root resistance, slightly more resistant than USH20.

**PI 590668. *Beta vulgaris* L. ssp. *vulgaris***

Breeding. SP76745-01. A cytoplasmic male-sterile monogerm line with moderate black root resistance, slightly more resistant than USH20. Moderate leaf spot resistance, approx. equal to USH20. The hybrid SP76745-01 x SP6822-0, varied considerably between locations. Sugar percentage and purity were about equal to USH20.

**PI 590669. *Beta vulgaris* L. ssp. *vulgaris***

Breeding. SP70682-0. A pollen-fertile monogerm maintainer of the cytoplasmic male-sterile SP70682-01. Moderate resistance to black root, about equal to USH20, and good leaf spot resistance, a little less resistance than USH21. Has been a meager pollen producer and somewhat low in seed set. In 1976, however, pollen and seed production showed improvement.

**PI 590670. *Beta vulgaris* L. ssp. *vulgaris***

Breeding. SP70682-01. A cytoplasmic male-sterile monogerm line, slightly more vigorous than its maintainer line, SP70682-0. Moderate resistance to leaf spot, approx. equal to USH20, and moderate black root resistance. Hybrids from this male-sterile have been about equal to USH20 in yield in Ohio and Michigan tests. Sucrose percents were slightly less than that of USH20, but their purities almost equaled USH20.

**PI 590671. *Beta vulgaris* L. ssp. *vulgaris***

Breeding. SP70756-01. A cytoplasmic male-sterile monogerm line. Good black root resistance, better than US 401. Very good leaf spot resistance equal to US H21. Orig. from SP653465-01 cytoplasmic male-sterile monogerm line. In most locations a 3-way hybrid (SP70756-01 X SP70550-0) X SP6822-0 produced about 90% the root yield of US H20 with sugar percentage and purity equal to US H20.

**PI 590672. *Beta vulgaris* L. ssp. *vulgaris***

Breeding. SP73514-0. The monogerm pollen fertile maintainer line of SP 73514-01 CMS (cytoplasmic male-sterile). This maintainer originated from the selfed-progeny of a monogermplant recovered from a cross of FC502 monogerm O-type and multigerm pollen-fertile lines carrying resistance to both *Cercospora* leaf spot and *Aphanomyces* black root. Equal to