

branching conditioned by a recessive gene. Provides increased genetic diversity in the sunflower cytoplasmic male sterile-restorer system, and available for use in sunflower breeding and hybrid development programs.

PI 597362. *Helianthus annuus* L.

Genetic. NMS 373. GS-8. Pedigree - BC5F4 derived sib mated population from cross of green nuclear male sterile plants and anthocyanin-pigmented fertile plants. Seeds will produce approx. 50% green sterile plants (tt,msms) and 50% anthocyanin-pigmented fertile plants (Tt,Msms). Anthers and stigmas pigmented at anthesis. In some environments a small amount of pollen may be detected on the male sterile plants, resulting in 1-2% seed set. Provides increased genetic diversity in the sunflower cytoplasmic male sterile-restorer system, and available for use in sunflower breeding and hybrid development programs.

PI 597363. *Helianthus annuus* L.

Genetic. NMS 377. GS-9. Pedigree - BC5F4 derived sib mated population from cross of green nuclear male sterile plants and anthocyanin-pigmented fertile plants. Seeds will produce approx. 50% green sterile plants (tt,msms) and 50% anthocyanin-pigmented fertile plants (Tt,Msms). Anthers and stigmas pigmented at anthesis. In some environments a small amount of pollen may be detected on male sterile plants, resulting in 1-2% seed set. Provides increased genetic diversity in the sunflower cytoplasmic male sterile-restorer system, and available for use in sunflower breeding and hybrid development programs.

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PI 597364. *Helianthus annuus* L.

Breeding. HA 393. GP-207. Pedigree - Selection from Verticillium wilt resistant B-line synthetic (VWRBS). Oilseed maintainer germplasm line. Homozygous for resistance to North American races of Verticillium wilt (Verticillium dahliae) and race 2 downy mildew.

PI 597365. *Helianthus annuus* L.

Breeding. HA 394. GP-208. Pedigree - Selection from Verticillium wilt resistant B-line synthetic (VWRBS). Oilseed maintainer germplasm line. Homozygous for resistance to North American races of Verticillium wilt (Verticillium dahliae) and to race 2 downy mildew.

PI 597366. *Helianthus annuus* L.

Breeding. HA 402. GP-209. Pedigree - HA 89/RK-74-198-2. Oilseed maintainer germplasm line. Homozygous for resistance to Verticillium wilt.

PI 597367. *Helianthus annuus* L.

Breeding. HA 403. GP-210. Pedigree - HA 89/France B-line Bulk. Oilseed maintainer germplasm line. Homozygous for resistance to Verticillium wilt.