

PI 546351 to 546361-continued

- PI 546355 **origin:** Canada. **origin institute:** Morden Res. Sta. -- Agriculture Canada, Morden, Manitoba ROG 1JO. **cultivar:** CM 617. **pedigree:** Composite of 3 F4 plants derived from CM596/BRS 1-1544. (BRS 1-1544 is S1 plant from BRS1. CM596 is early restorer). **other id:** PL-61. **source:** Crop Sci. 31(5):1403 1991. **group:** CSR-SUNFLOWER. **remarks:** Plant height short-medium. Restorer line in cms background. Branching character conditioned by recessive genes. Achenes oblong, medium, light tan color. Resistant to *Plasmopara halstedii*, race 2, *Puccinia helianthi*, race 1 and *Verticillium dahliae*. Spring Annual. Breeding Material. Seed.
- PI 546356 **origin:** Canada. **origin institute:** Morden Res. Sta. -- Agriculture Canada, Morden, Manitoba ROG 1JO. **cultivar:** CM 619. **pedigree:** Composite of 5 F7 plants from RHA297/3*CM497. **other id:** PL-62. **source:** Crop Sci. 31(5):1403 1991. **group:** CSR-SUNFLOWER. **remarks:** Early, single-headed restorer in cms background. Convex heads. Semi-dwarf. Moderately resistant to *Plasmopara halstedii*, race 2 and *Verticillium dahliae*. Achenes medium, predominately black with approx. 37% oil content. Spring Annual. Breeding Material. Seed.
- PI 546357 **origin:** Canada. **origin institute:** Morden Res. Sta. -- Agriculture Canada, Morden, Manitoba ROG 1JO. **cultivar:** CM 620. **pedigree:** Composite of 2 F5 plants from wild H. annuus/Kras 3*630// Rcomp/CM 3* 469///unknown line. (Kras 630 from Krasnodarets variety). **other id:** PL-63. **source:** Crop Sci. 31(5):1403 1991. **group:** CSR-SUNFLOWER. **remarks:** Single-headed oilseed restorer line in cms background. Flowering and height medium. Achenes predominately black. Resistant to *Verticillium dahliae* and *Puccinia helianthi*. Spring Annual. Breeding Material. Seed.
- PI 546358 **origin:** Canada. **origin institute:** Morden Res. Sta. -- Agriculture Canada, Morden, Manitoba ROG 1JO. **cultivar:** CM 621. **pedigree:** Composite of 4 S6 plants from fertile cms HA 301 plant, which was probably outcrossed with unknown restorer line. **other id:** PL-64. **source:** Crop Sci. 31(5):1403 1991. **group:** CSR-SUNFLOWER. **remarks:** Restorer line in cms background. Branching character conditioned by recessive genes. Height and flowering time medium. Achenes predominately black with high oil content. Resistant to *Plasmopara halstedii* and *Verticillium dahliae*. Spring Annual. Breeding Material. Seed.