

PI 560161 to 560205-continued

- PI 560176 **origin:** United States. **developed:** A.L. Urie, D.J. DaVia, P.F. Knowles, L.H. Zimmerman.. **origin institute:** Agricultural Research Service -- USDA, Davis, California 95616 United States. **cultivar:** 14-5 ISO. **pedigree:** One of the 27 families that comprised VFstp-1(3). **other id:** GP-15. **source:** Crop Sci. 20(1):115 1980. **group:** CSR-SAFFLOWER. **other id:** W6 9829. **remarks:** Primary advantage is resistance to root rot (heterothallic & homothallic species of Phytophthora). Resistant to verticillium wilt (*Verticillium dahliae*) & fusarium wilt (*Fusarium oxysporum*). When compared in root rot nurseries, had consistently lower death rates than Gila and N10. Closely related to LMVFP-1(4), however, was not tested for resistance to lettuce mosaic virus. Developed after 4 yrs of extensive screening in naturally infested field root rot nurseries. One of the earliest flowering of the VFstp-1 families. Seed.
- PI 560177 **origin:** United States. **developed:** A.L. Urie, W.F. Peterson, P.F. Knowles. **origin institute:** Agricultural Research Service -- USDA, Davis, California 95616 United States. **cultivar:** OLEIC LEED. **pedigree:** UC-1(3) / olol / Leed. **other id:** CV-8. **source:** Crop Sci. 19(5):747 1979. **group:** CSR-SAFFLOWER. **other id:** W6 9830. **remarks:** Plant and seed characteristics similar to Leed. Slightly taller, blooms later, branching habit more profuse, and seeds smaller than either UC-1 or Gila. Flowers orange on most plants, but 3-4% flowers yellow. Seed has normal hull. Susceptible to rust (*Puccinia carthami*) verticillium wilt (*Verticillium dahliae*) & fusarium wilt (*Fusarium oxysporum*). Entered in 16 yield tests over 3 year period, averaging 19.2% more oil/ha than UC-1 or Gila in irrigated tests and similar oil production in dryland tests. Breeding Material. Seed.
- PI 560178 **origin:** United States. **cultivar:** 11-2. **other id:** W6 9831. **remarks:** Resistant to *Verticillium fusarium*. Striped hull selection included in the VFstp-1 germplasm. Breeding Material. Seed.
- PI 560179 **origin:** United States. **cultivar:** 11-4. **other id:** W6 9832. **remarks:** Resistant to *Verticillium fusarium*. Striped hull selection included in the VFstp-1 germplasm. Breeding Material. Seed.
- PI 560180 **origin:** United States. **cultivar:** 11-5. **other id:** W6 9833. **remarks:** Resistant to *Verticillium fusarium*. Striped hull selection included in the VFstp-1 germplasm. Breeding Material. Seed.