

PI 518772-continued

donor id: D86-8286. **origin:** United States. **pedigree:** Forrest *2/PI 230970. **other id:** GP-112. **source:** Crop Sci. 28(6):1038. **group:** CSR-SOYBEAN. **remarks:** Maturity, growth characteristics, and oil and protein content similar to Forrest. Flowers white. Pubescence tawny, Pod walls tan at maturity. Seeds yellow with black hila, some shattering. Susceptible to rust isolate Taiwan 80-2. Provides a source of resistance to soybean rust, earlier in maturity, and agronomically superior to original source of resistance (PI 270970). **disease resistance:** Rust (*Phakopsora pachyrhizi*). Bacterial pustule (*Xanthomonas phaseoli*). **nematode resistance:** Race 3 soybean cyst (*Heterodera glycines*). Breeding Material. Seed.

PI 518773 to 518778. *Helianthus annuus* L. ASTERACEAE Sunflower

Donated by: Miller, J.F., Gulya, T.J., USDA-ARS, Agronomy Department, North Dakota State University, Fargo, North Dakota, United States. Received May 17, 1988.

PI 518773 **donor id:** HA 335. **origin:** United States. **pedigree:** HA 89*3/H. *annuus* 423. **other id:** GP-95. **source:** Crop Sci. 28(6):1040. **group:** CSR-SUNFLOWER. **remarks:** Cytoplasmic male sterile. Susceptible to races 1,3, and 4 of rust (*Puccinia helianthi*). **disease resistance:** Races 2,3, and 4 of downy mildew (*Plasmopara halstedii*). Breeding Material. Seed.

PI 518774 **donor id:** HA 336. **origin:** United States. **pedigree:** HA 89*3/H. *annuus* 432. **other id:** GP-96. **source:** Crop Sci. 28(6):1040. **group:** CSR-SUNFLOWER. **remarks:** Cytoplasmic male sterile. Susceptible to races 1,3, and 4 of rust (*Puccinia helianthi*). **disease resistance:** Races 2,3, and 4 of downy mildew (*Plasmopara halstedii*). Breeding Material. Seed.

PI 518775 **donor id:** HA 337. **origin:** United States. **pedigree:** HA 89*3/H. *praecox* 417. **other id:** GP-97. **source:** Crop Sci. 28(6):1040. **group:** CSR-SUNFLOWER. **remarks:** Cytoplasmic male sterile. Susceptible to races 1,3, and 4 of rust (*Puccinia helianthi*). **disease resistance:** Races 2,3, and 4 of downy mildew (*Plasmopara halstedii*). Breeding Material. Seed.