

donor id: Au82-204. **origin:** United States. **cultivar:** STONEWALL. **pedigree:** N73-693(D 68-216/Ransom)/F76-8757(Centennial/3/Forrest/2/Cobb/D68-216. **other id:** CV-238. **group:** CSR-SOYBEAN. **remarks:** Plant growth habit determinate. Maturity group VII. Flowers white. Pubescence tawny. Pod walls tan. Seeds yellow with black hila, dull seed coat. Tolerant to herbicide metribuzain. Protein content 41.5%. Oil content 21.4%. Susceptible to Powdery mildew (*Microspheara diffusa*). **nematode resistance:** Soybean cyst race 3. Moderate to root knot. Tolerant to Columbia lance (*Hoplolaimus columbus*). **disease resistance:** Stem canker(field), prevalent races of frogeye leafspot. Annual. Cultivar. Seed.

PI 531069 to 531075. *Helianthus annuus* L. ASTERACEAE Sunflower

Donated by: Miller, J.F., Gulya, T.J., Northern Crop Science Lab., USDA-ARS, North Dakota State University, Fargo, North Dakota, United States. **remarks:** Released by USDA-ARS and the North Dakota Agric. Exp. Station in April 1988. Received March 03, 1989.

PI 531069 **donor id:** RHA 356. **origin:** United States. **pedigree:** RHA 274 *3/DDR. **other id:** GP-101. **group:** CSR-SUNFLOWER. **remarks:** Plants BC2F4-derived BC2F7 oilseed, reduced height restorer line, 75cm tall, upper stem branching. Days to flowering 59, extended pollination period. Adaptation north central U.S. sunflower production area. Susceptible to downy mildew (*Plasmopara halstedii*) races 3, 4, 5, Verticillium wilt (*Verticillium dahliae*) North American races, and rust (*Puccinia helianthi*) race 4. **disease resistance:** Downy mildew (*Plasmopara halstedii*) races 1 and 2. Rust (*Puccinia helianthi*) races 1,2, and 3. Annual. Breeding Material. Seed.

PI 531070 **donor id:** RHA 357. **origin:** United States. **pedigree:** RHA 274 *3/DDR. **other id:** GP-102. **group:** CSR-SUNFLOWER. **remarks:** Plants BC2F4-derived BC2F7 oilseed, reduced height restorer line, 93cm tall, upper stem branching. Days to flowering 60, extended pollination period. Adaptation north central U.S. sunflower production area. Susceptible to downy mildew (*Plasmopara halstedii*) races 3, 4, 5, Verticillium wilt (*Verticillium dahliae*) North American races, rust (*Puccinia helianthi*) race 4. **disease resistance:** Downy mildew (*Plasmopara halstedii*) races 1 and 2. Rust (*Puccinia helianthi*) races 1,2; moderate to race 3. Annual. Breeding Material. Seed.