

Moderate resistance to net blotch (*Pyrenophora teres*).

The following were collected by Mary Brothers, USDA, ARS, Iowa State University, Regional Plant Introduction Station, Ames, Iowa 50011, United States; Gerald Seiler, USDA, ARS, Northern Crop Science Lab., P.O. Box 5677, University Station, Fargo, North Dakota 58105, United States. Donated by Gerald Seiler, USDA, ARS, Northern Crop Science Lab., P.O. Box 5677, University Station, Fargo, North Dakota 58105, United States. Received 09/16/1994.

PI 592304. *Helianthus annuus* L.

Wild. ANN-2294; Ames 22167. Collected 09/07/1994 in Alberta, Canada. Latitude 51 deg. 38' 57'' N. Longitude 112 deg. 41' 43'' W. Elevation 822 m. 6.4 km east of Morrin, Hwy. 9 E. Brown, sandy-loam soil, upper slope of roadside ditch, topography - plain (level), moderate soil nutrient content, low salinity and moderate drainage. Grassland vegetation. Population scattered in roadside ditch along edge of blacktop. Low population variability, effective population size - 100 plants, population area 30 meters square. Plants very short for *H. annuus* but have been cut back, larger *H. annuus* bracts, no white chaff on head, darker green leaves. Past peak flowering, good seed set. No apparent insect or disease problems.

PI 592305. *Helianthus annuus* L.

Wild. ANN-2295; Ames 22168. Collected 09/07/1994 in Alberta, Canada. Latitude 51 deg. 38' 55'' N. Longitude 113 deg. 4' 33'' W. Elevation 805 m. 9.3 km west of Morrin, Hwy. 27 W. Brown, sandy-loam soil, level area of roadside ditch, topography - plain (level), moderate soil nutrient content, no salinity, moderate drainage, tillage not affected by stoniness. Grassland vegetation. Large population along both sides of road in disturbed roadside ditch, recent road construction. Low population variability, effective population size - several hundred plants. More typical *H. annuus*, taller, more branched, darker green. Past peak flowering, good seed set. No apparent insect or disease damage.

PI 592306. *Helianthus annuus* L.

Wild. ANN-2296; Ames 22169. Collected 09/08/1994 in Alberta, Canada. Latitude 49 deg. 57' 8'' N. Longitude 112 deg. 46' 49'' W. Elevation 811 m. 8.0 km north of Picture Butte, Hwy. 25 N. Brown, sandy to loam soil, level area of roadside ditch, topography - plain (level), moderate soil nutrient content, no salinity, moderate to well drained, tillage affected by stoniness. Located along margin of wheat field. Small, scattered population in roadside ditch (by irrigation ditch), along edge of wheat field. Uniform population limited in distribution, effective population size - 100 plants. Most plants past peak flowering, good seed set. No apparent insect or disease damage. Small population so more than one head per plant sampled.

PI 592307. *Helianthus annuus* L.

Wild. ANN-2297; Ames 22170. Collected 09/08/1994 in Alberta, Canada. Latitude 49 deg. 39' 32'' N. Longitude 112 deg. 47' 35'' W. Elevation 926 m. 20.8 km north of Welling, Hwy. 5 N. Brown, sandy to loam soil, level area of roadside ditch, topography - plain (level), moderate soil nutrient content, no salinity, moderate to well drained, tillage affected by stoniness. Located along margin of wheat field. Small, dense population in disturbed roadside ditch, recent road construction. Uniform population, effective population size - 150 plants. Typical plants, many taller. Most plants past peak flowering, good seed set. No apparent insect or disease damage.

PI 592308. *Helianthus annuus* L.

Wild. ANN-2298; Ames 22171. Collected 09/08/1994 in Alberta, Canada.