

States. Latitude 40 deg. 42' N. Longitude 100 deg. 44' W. Disturbed area of sandy roadside ditch. 8.0 km north of Wellfleet, Hwy 83 N, Lincoln County. Seed collected from 18 plants. Population scattered along backslope of roadside ditch, sandy soil. Plants tall for *H. petiolaris*, over 1 m, but had *H.* typical *petiolaris* heads (some larger), leaves, bracts, and seed. Population well past flowering, good seed. No apparent rust. One plant might have been hybrid with *H. annuus*, but none in immediate area.

PI 586930. *Helianthus petiolaris* ssp. *petiolaris*

Wild. Ames 18005; PET 2205. Collected 09/15/1991 in Nebraska, United States. Latitude 41 deg. 10' N. Longitude 100 deg. 46' W. Disturbed sandy soil in roadside ditch. 8.0 km north and 5 km west of North Platte, Hwy 97 W, Lincoln County. Seed collected from 32 plants. Population scattered along disturbed roadside ditch, sandy soil. Typical *H. petiolaris*, some with larger heads. *Helianthus annuus* mixed in, but no evidence of hybrid plants. Well past flowering, good seed set. Moderate to severe rust.

PI 586931. *Helianthus petiolaris* ssp. *petiolaris*

Wild. Ames 18006; PET 2208. Collected 09/15/1991 in Nebraska, United States. Latitude 42 deg. 59' N. Longitude 101 deg. 2' W. Sandy roadside ditch. 27.2 km south of Mullen, Hwy. 97 S, Hooker County. Seed collected from 32 plants. Population scattered along road and into field. Depauperate plants in grasslands, single stems, few heads, otherwise typical *H. petiolaris*. Good seed set, well past flowering. Moderate to severe rust.

PI 586932. *Helianthus petiolaris* ssp. *petiolaris*

Wild. Ames 18007; PET 2211. Collected 09/15/1991 in Nebraska, United States. Latitude 42 deg. 6' N. Longitude 100 deg. 23' W. Sandy soil in disturbed roadside ditch. 20.8 km north of Thedford, Hwy 83 N, Cherry County. Seed collected from 39 plants. Very large population extending several kilometers. Typical *H. petiolaris*, branching above, good seed set, well past flowering. Severe rust infection.

PI 586933. *Helianthus petiolaris* ssp. *petiolaris*

Wild. Ames 18008; PET 2215. Collected 09/15/1991 in South Dakota, United States. Latitude 43 deg. 2' N. Longitude 99 deg. 49' W. Sandy soil in roadside ditch along edge of asphalt of road. 14.4 km north of Wewela, Hwy. 183 N, Tripp County. Seed collected from 48 plants. Population scattered along edge of road, sandy soil. Typical *H. petiolaris*, some plants shorter. Shorter *H. petiolaris* than previously seen. Population well past flowering. Good seed set. Moderate to severe rust.

The following were collected by Cynthia Stauffer, Regional Plant Introduction Station, Iowa State University, 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; Radovan Marinkovic, Institute of Field and Vegetable Crops, M. Gorkog 30, 21000, Novi Sad, Serbia, Yugoslavia; Surendra Duhoon, National Bureau of Plant Genetic Resources, I.A.R.I. Campus, PUSA, New Dehli, India. Donated by Gerald Seiler, USDA, ARS, Northern Crop Science Lab., P.O. Box 5677, University Station, Fargo, North Dakota 58105, United States. Received 10/17/1991.

PI 586934. *Helianthus petiolaris* ssp. *petiolaris*

Wild. Ames 18012; PET 2105. Collected 09/04/1991 in North Dakota, United States. Latitude 47 deg. 4' N. Longitude 100 deg. 40' W. Sandy soil in roadside ditch, along road. 11.2 km north of Turtle Lake, Hwy 41 N, McClean County. Seed collected from 5 plants. Small localized population. Typical *H. petiolaris* population, mid-flowering, good seed set. No insect damage, some light rust present.