

Hwy 34 W, Weld County. Seed collected from 35 plants. Population scattered over approximately 100 m along both sides of road. Plants tall, large stems, just past peak flowering, good seed set. No apparent rust. Plants more branched than has been seen so far.

PI 586842. *Helianthus annuus* L.

Wild. Ames 17908; ANN 2157. Collected 09/09/1991 in Colorado, United States. Latitude 40 deg. 5' N. Longitude 104 deg. 24' W. Sandy soil in disturbed roadside ditch. 12.8 km east of Prospect, Hwy 52 E, Weld County. Seed collected from 25 plants. Population along roadside ditch and disturbed area along cultivated field, also near cultivated sunflower. Tall plants (ca. 2 m). Very branched, larger heads, good seed set, just past peak flowering. Severe rust damage.

PI 586843. *Helianthus annuus* L.

Wild. Ames 17909; ANN 2159. Collected 09/09/1991 in Colorado, United States. Latitude 39 deg. 50' N. Longitude 104 deg. 25' W. Sandy soil in roadside ditch and adjacent stubble field. 1.1 km northeast of Bennett, Hwy. 79 N, Adams County. Seed collected from 50 plants. Population very large, extending a few hundred meters into stubble field. Very sandy soil. Plants typical *H. annuus*, tall, larger stems and heads. No apparent rust. Associated species: *Kochia*. Good seed set, past peak flowering, *H. petiolaris* population adjacent. Insect damage to face and head.

PI 586844. *Helianthus annuus* L.

Wild. Ames 17910; ANN 2162. Collected 09/10/1991 in Colorado, United States. Latitude 39 deg. 24' N. Longitude 104 deg. 26' W. Sandy soil in disturbed roadside ditch. 6.4 km east of Kiowa, Hwy 86 E, Elbert County. Seed collected from 35 plants. Population scattered along edge of blacktop, both sides of the road. Just past peak flowering, seed set very good. Typical plants, red stems, larger heads. Some plants with rust.

PI 586845. *Helianthus annuus* L.

Wild. Ames 17911; ANN 2165. Collected 09/10/1991 in Colorado, United States. Latitude 39 deg. 15' N. Longitude 103 deg. 41' W. Sandy soil, disturbed roadside ditch. 1.6 km south of Limon, Hwy. 71 S, Lincoln County. Seed collected from 45 plants. Population on backslope of roadside ditch, sandy soil. Very branched plants, whitish stem, pubescent. Well past flowering. Rust on about half of plants. Some head damage to disc flowers (grasshopper).

PI 586846. *Helianthus annuus* L.

Wild. Ames 17912; ANN 2168. Collected 09/10/1991 in Colorado, United States. Latitude 38 deg. 55' N. Longitude 103 deg. 10' W. Sandy soil in disturbed roadside ditch. 42.4 km east of Punkin Center, Hwy 94 E, Lincoln County. Seed collected from 22 plants. Plants very scattered along both sides of road. Plants very branched and tall, red stem, large heads, plants just past peak flowering, good seed set. No apparent rust. *Helianthus petiolaris* population mixed in and near by.

PI 586847. *Helianthus annuus* L.

Wild. Ames 17913; ANN 2169. Collected 09/19/1991 in Colorado, United States. Latitude 38 deg. 46' N. Longitude 102 deg. 36' W. Loam soil in disturbed roadside ditch. 14.4 km east of Kit Carson, Hwy 40 E, Cheyenne County. Seed collected from 32 plants. Very large population extending over 100 m, very dense population along both sides of road. Plants tall, strong branching, spreading, very large heads, some red stems. Plants just past peak flowering, good seed set. Few plants with rust.

PI 586848. *Helianthus annuus* L.

Wild. Ames 17914; ANN 2170. Collected 09/10/1991 in Colorado, United States. Latitude 38 deg. 50' N. Longitude 102 deg. 21' W. Sandy-loam