

PI 547227 to 547248-continued

- PI 547244 **origin:** United States. **collected:** September 22, 1989. **collector id:** TUB-2070. **other id:** Ames 13072. **source:** NC-7. **group:** Ames. **locality:** Edge of stream under road, also along edge of road and soybean field near wooded area. Stretching for several hundred meters. Hwy. 3S, 2.2km south of Westport, Decatur County. **latitude:** 39 deg. 10 min. W. **longitude:** 85 deg. 37 min. N. **remarks:** Seed collected from 100 plants, large population scattered along edge of road and field, stretching for several hundred meters. Past peak flower, 1-3 seeds per head. Plants tall, ca. 2m. Leaves alternate above and opposite below. Bracts of head ciliate, narrow. Rust was severe on many plants. Lower leaves were dead due to rust. Powdery mildew present, but not severe. Specimen collected. Seed.
- PI 547245 **origin:** United States. **collected:** September 22, 1989. **collector id:** TUB-2071. **other id:** Ames 13073. **source:** NC-7. **group:** Ames. **locality:** Population very large, stretching for 0.2 to 0.4km, along edge of cultivated soybean field and roadside ditch. Hwy. 3S, 1.6km south of Deputy, Jefferson County. **latitude:** 38 deg. 50 min. W. **longitude:** 85 deg. 45 min. N. **remarks:** Seed collected from 200 plants. Plants just at peak flowering. Seed set 1-3 seeds per head. Plants smaller than usual head diameter for species. Plants had alternate leaves above, opposite below. Severe rust problem on most plants. Specimen collected. Collection #2071. Seed.
- PI 547246 **origin:** United States. **collected:** September 22, 1989. **collector id:** TUB-2073. **other id:** Ames 13074. **source:** NC-7. **group:** Ames. **locality:** Small isolated population, restricted to 100m across. Roadside ditch, near abandoned house. Hwy. 37N, 13.4km north of English, Orange County. **latitude:** 38 deg. 28 min. W. **longitude:** 86 deg. 29 min. N. **remarks:** Seed collected from 75 plants, small isolated population, may be garden escape. Seed set variable, 1-4 seeds per head. Past peak flowering. No diseases present. Plants tall, up to 3m. Purple stems. Bracts not ciliate, large leaves, plants branched above. Specimen collected. Collection #2073. Seed.
- PI 547247 **origin:** United States. **collected:** September 23, 1989. **collector id:** TUB-2080. **other id:** Ames 13075. **source:** NC-7. **group:** Ames. **locality:** Along steep bank of river. Indiana side, just before Wabash River. Hwy. 154W, 9.6km west of Graysville, Sullivan County. **latitude:** 39 deg. 06 min. W. **longitude:** 87 deg. 38 min. N. **remarks:** Seed collected from 100 plants, large scattered population. Plants in peak flowering, seed set 1-3 seeds per head. Typical plants and habitat for tuberosus. Specimen collected. Collection #2080. Seed.