

PI 547212 to 547226-continued

- PI 547218 **origin:** United States. **collected:** September 20, 1989. **collector id:** STR-2058. **other id:** Ames 13046. **source:** NC-7. **group:** Ames. **locality:** Population scattered over a wide area, 0.2km, gorge at edge of woods and cultivated wheat field. Along slope in roadside ditch, clay soil. Hwy. 37E, 2.0km east of Lancaster, Fairfield County. **latitude:** 39 deg. 43 min. W. **longitude:** 82 deg. 36 min. N. **remarks:** Seed collected from 150 plants. Past flowering, very good seed set. Plants typical of *H. strumosus*, tomentose lower leaves. Plants had a severe attack of powdery mildew. Some evidence of stem damage by top of heads, looked like head clipper. Specimen collected. Collection #2058. Seed.
- PI 547219 **origin:** United States. **collected:** September 21, 1989. **collector id:** STR-2059. **other id:** Ames 13047. **source:** NC-7. **group:** Ames. **locality:** Roadside ditch along edge of waste area, in clay soils. 0.2km south of intersection of Hwy. 66S and Hwy. 10W, west of Pleasant Corners, Franklin County. **latitude:** 39 deg. 66 min. N. **longitude:** 83 deg. 05 min. N. **remarks:** Seed collected from 75 plants, small isolated population. Past peak flowering, seed set 3-5 seeds per head. Typical habitat for *strumosus*, plants were about 1 - 1 1/2 m tall, narrow bracts, tomentose lower leaves. Rust was present on many plants. Insect gall on several stems. One plant had been destroyed by ants burrowing into stem. Ditch had been sprayed, several heads were deformed. Seed.
- PI 547220 **origin:** United States. **collected:** September 21, 1989. **collector id:** STR-2060. **other id:** Ames 13048. **source:** NC-7. **group:** Ames. **locality:** In roadside ditch a couple hundred meters along soybean field and in it, in clay soil swampy at some time of year. Hwy. 104N, 23km north of Andersonville, Pickaway County. **latitude:** 39 deg. 38 min. W. **longitude:** 83 deg. 00 min. N. **remarks:** Seed collected from 100 plants. Swampy area at some time of year. Lower leaves (surface) more glabrous bracts ciliate. Plants had expanded red rootstocks (tubers?) which were sprouting. Diseases present, verticillium, rust, and powdery mildew. Specimen collected. Collection #2060. Seed.