

PI 547175 to 547184-continued

PI 547179 **origin:** United States. **collected:** September 14, 1989.  
**collector id:** GIG-2017. **other id:** Ames 13007. **source:**  
NC-7. **group:** Ames. **locality:** Roadside ditch, low swampy  
type area, loam soils, edge of pasture, 5.1 km north of  
Auroraville, Hwy. 49N, Waushara County. **latitude:** 44  
deg. 04 min. N. **longitude:** 88 deg. 59 min. W. **remarks:**  
Seeds collected from ca. 100 plants, large scattered  
pop'n. Plants typical ht., ca. 2 m. Just past flowering,  
seed set looks good. Leaves somewhat toothed, purple  
stems. Rhizome with expanded tubers. Some insect damage  
to heads. Stem collected for insect emergence. Specimen  
collected. Collection #2017. Seed.

PI 547180 **origin:** United States. **collected:** September 14, 1989.  
**collector id:** GIG-2018. **other id:** Ames 13008. **source:**  
NC-7. **group:** Ames. **locality:** Population extending for  
450m in roadside ditch, along edge of cultivated field.  
Moist bank, loam soil. 3.5km southwest of Pickett, Fond  
de Lac County. **latitude:** 43 deg. 50 min. N. **longitude:**  
88 deg. 56 min. W. **remarks:** Seeds collected from over  
100 plants, very large dense population. Plants typical,  
ca. 2 m. Just flowering, leaves larger somewhat toothed,  
some leaves and stems purple. Typical enlarged Rhizome.  
Plants had pretty severe attack of rust. One plant  
(pressed) had "mum" type heads. Some *H. strumosus* mixed  
in part of population, no evidence of crossing.  
Collection #2018. Seed.

PI 547181 **origin:** United States. **collected:** September 15, 1989.  
**collector id:** GIG-2020. **other id:** Ames 13009. **source:**  
NC-7. **group:** Ames. **locality:** Very large population in  
roadside ditch, scattered over 160 m, in loam soil. Just  
south of intersection of Hwy. 26E and Hwy. 41S. 4.8km  
south of Oshkosh, Winnebago County. **latitude:** 43 deg. 57  
min. N. **longitude:** 88 deg. 34 min. W. **remarks:** Seeds  
collected from ca. 150 plants. Plants typical, some over  
2 m tall. Just past flowering, good seed set. Plants  
had expanded rhizomes, typical branching, some purple  
stems. Specimens collected. Collection #2020. Seed.