

PI 547185 to 547202-continued

PI 547185 **origin:** United States. **collected:** September 13, 1989. **collector id:** GRO-2022. **other id:** Ames 13013. **source:** NC-7. **group:** Ames. **locality:** In roadside ditch, along waste area by corn field. Swampy area, in clay soil. Along Hwy. 68S, 11.2km southwest of Waupun, Dodge County. **latitude:** 43 deg. 35 min. W. **longitude:** 88 deg. 56 min. N. **remarks:** Seeds collected from 100 plants, large dense population. Typical plants. Just past flowering, larger stem diameter. Dense leaf clusters. Good seed set. Population had very severe rust, few plants appeared free of rust. Root-stocks collected. Specimen collected. Collection #2022. Seed.

PI 547186 **origin:** United States. **collected:** September 15, 1989. **collector id:** GRO-2025. **other id:** Ames 13014. **source:** NC-7. **group:** Ames. **locality:** Large, dense population in swampy area, near roadside, extending about 0.4km. Near Hwy. 18E, 11.2km east and 1.6km south of Mt. Horeb, Dane County. **latitude:** 42 deg. 57 min. W. **longitude:** 89 deg. 47 min. W. **remarks:** Seeds collected from 150 plants, just past flowering. Typical plants, purple stems, serrate leaves, compact arrangement of leaves. Larger diameter of stems. Some insect head damage, and also stem damage. Some leaf damage (spray). No rust present. Bidens and typha present near stream of water, not flowing. Specimen collected. Collection #2025. Seed.

PI 547187 **origin:** United States. **collected:** September 15, 1989. **collector id:** GRO-2026. **other id:** Ames 13015. **source:** NC-7. **group:** Ames. **locality:** In roadside ditch swampy area, near culvert. On Hwy. 78S, 5.6km south of Daleyville, Dane County. **latitude:** 42 deg. 50 min. W. **longitude:** 89 deg. 50 min. N. **remarks:** Seed collected from 60 plants, small dense restricted population. Plants typical, some leaves in axil of primary leaves of stem. Past flowering, good seed set. Some insect galls (wasps). Leaf damage, but not a disease. No rust present. Specimen collected. Collection #2026. Seed.

PI 547188 **origin:** United States. **collected:** September 15, 1989. **collector id:** GRO-2027. **other id:** Ames 13016. **source:** NC-7. **group:** Ames. **locality:** On steep roadside ditch at top of bank, on drier rocky soils. Population scattered on both sides of road, separated by 100m. Hwy. 69N, 1.6km west and 1.9km north of Clarno, Green County. **latitude:** 42 deg. 31 min. W. **longitude:** 89 deg. 41 min. N. **remarks:** Seed collected from 100 plants. Plants were variable, especially leaves, lower leaves very serrate, stem pithy, whitish bloom on stems, compact leaves. Some *H. giganteus* characteristics - leaves, stems branching. Peak flower time. Good seed set. Leaves had rust. Specimen collected. Collection #2027. Seed.