

PI 547212 to 547226-continued

PI 547214 **origin:** United States. **collected:** September 16, 1989. **collector id:** STR-2033. **other id:** Ames 13042. **source:** NC-7. **group:** Ames. **locality:** Roadside ditch, along old railroad track bed, in very rocky soil. Hwy. 51N, 2.4km north of Tonica, LaSalle County. **latitude:** 41 deg. 13 min. W. **longitude:** 89 deg. 02 min. N. **remarks:** Seed collected from 49 plants, large scattered population (ca. 200 plants). Just peak flowering. Plants occurred in a very dry area, edge of old railroad bed. Typical *H. strumosus* otherwise. Seed set rather poor, only 3-4 seeds per head. Stem galls present on some plants. Rust on some plants, spores collected for Tom Gulya. Specimen collected. Collection #2033. Seed.

PI 547215 **origin:** United States. **collected:** September 17, 1989. **collector id:** STR-2041. **other id:** Ames 13043. **source:** NC-7. **group:** Ames. **locality:** Higher bank of roadside ditch, in sandy soil. 4.8km west of Three Rivers, St. Joseph County. **latitude:** 41 deg. 57 min. W. **longitude:** 85 deg. 41 min. N. **remarks:** Seed collected from 35 plants, small population, restricted in area. Past peak flowering, good seed set. Most plants had very rough leaves on top, but tomentose on bottom. Somewhat larger bracts, reflexed. Powdery mildew present but no rust. Specimen collected. Collection #2041. Seed.

PI 547216 **origin:** United States. **collected:** September 17, 1989. **collector id:** STR-2042. **other id:** Ames 13044. **source:** NC-7. **group:** Ames. **locality:** In roadside ditch, on edge of corn field, 90m along fence row. Hwy. 66S, 14.6km south of Nashville, Barry County. **latitude:** 42 deg. 24 min. W. **longitude:** 85 deg. 01 min. N. **remarks:** Seed collected from 35 plants, Plants past flowering, good set. Some plants very large(tall), had opposite leaves, but decussate. Plants had red stems, and stiff leaves, some lower leaves wide, 3-4", *H. tomentose* below. Maybe some *H. rigidus* characters. Specimen collected. Collection #2042. Seed.

PI 547217 **origin:** United States. **collected:** September 19, 1989. **collector id:** STR-2044. **other id:** Ames 13045. **source:** NC-7. **group:** Ames. **locality:** In scrap metal pile, waste area along railroad right-of-way, rocky dry soil. On alternate Hwy. 66, 0.3km west of (truck) alternate 66 and Ohio Hwy. 111, Defiance, Defiance County. **latitude:** 41 deg. 17 min. W. **longitude:** 84 deg. 21 min. N. **remarks:** Seed collected from 75 plants. Plants past flowering. Seed set 10-15 seeds per head. Population had no leaf damage or diseases. Typical habitat for *H. strumosus* plants, typical characters, many branched above. Specimen collected. Collection #2044. Seed.