

HACKELIA DEFLEXA (Wahlenb.) Opiz
Northern Stickseed

FAMILY: Boraginaceae

SYNONYMS: *Hackelia americana* (Gray) Fern.; *Lappula deflexa* (Wahlenb.) Garcke var. *americana* (Gray) Greene

HABIT: Biennial or annual herb to 1 m; flowers June-July, fruits July-Aug.

SIMILAR SPECIES: This species can only be distinguished from the common *H. virginiana* by careful examination of mature fruits. The fruit of *H. virginiana* are uniformly bristly, whereas those of *H. deflexa* are only bristly on the margins and have few or no bristles on the dorsal surface.

TOTAL RANGE: Circumboreal; in North America from s. Que. to Mack. and B.C., s. to VT, OH, IA and CO.

STATE RANGE: This species has only been collected once in Ohio, at Cantwell's Cliffs in Hocking County in 1899.

HABITAT: Mesic woods, borders, clearings, often in calcareous soils.

HAZARDS: Unknown, possibly the closing of the forest canopy.

RECOVERY POTENTIAL: Unknown, but probably poor.

INVENTORY GUIDELINES: Collect complete specimens with mature fruit.

COMMENTS: This species may be overlooked in Ohio due to its similarity to *H. virginiana*. It should be sought throughout the state.

SELECTED REFERENCES:

Cooperrider, T.S. 1982. *Geranium bicknellii* and *Hackelia deflexa* added to the known Ohio flora. *Castanea* 47: 408.

Gentry, J.L., Jr. and R.L. Carr. 1976. A revision of the genus *Hackelia* (Boraginaceae) in North America, north of Mexico. *Mem. New York Bot. Gard.* 26: 121-227.



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Revised: 10/93 Greg Schneider