Common Name: GEORGIA ASTER

Scientific Name: *Symphyotrichum georgianum* (Alexander) Nesom

Other Commonly Used Names: none


Family: Asteraceae/Compositae (aster)

Rarity Ranks: G2G3/S2

State Legal Status: Threatened

Federal Legal Status: Candidate

Federal Wetland Status: none

Description: Perennial herb forming colonies by underground stems. **Stems** 20 - 40 inches (50 - 100 cm) tall, rough, hairy, with a few branches. **Leaves** ¾ - 2¼ inches (2 - 7 cm) long and ⅛ - ¾ inches (1 - 2 cm) wide, alternate, thick, with rough hairs, pointed tips, and bases clasping the stem. **Flower heads** more than 2 inches (4 - 6 cm) wide, with bright purple **ray flowers**, reddish **disk flowers**, and purple-tipped stamens that produce white pollen. Four series of narrow green bracts, about ¼ - ½ inch (8 - 12 mm) high, form a cup (**involucre**) that surround the underside of the flower head; the bracts are covered with hairs and tiny glands. **Fruit** less than ¼ inch (2.5 - 4 mm) long, dry, seed-like, and hairy.
**Similar Species:** Late purple aster (*Aster patens*, synonym: *Symphyotrichum patens*) has much smaller heads with pale blue-purple ray flowers, yellow disk flowers, and yellow-tipped stamens; the involucre is less than ¼ inch (6 mm) high and, though hairy, lacks glands.

**Related Rare Species:** Piedmont bigleaf aster (*Eurybia jonesiae*, synonym: *Aster jonesiae*, Watch List) occurs on rocky ridges and in rich slope forests above large streams in 9 Piedmont counties. It has hairy stems, hairy leaves with toothed edges, heart-shaped lower leaves, and lance-shaped upper leaves. Flower heads are in a large, open cluster, with purple ray flowers and yellow disk flowers. Involucre bracts are hairy with spreading tips.

**Habitat:** Edges and openings in rocky, upland oak-hickory-pine forests, and rights-of-way through these habitats. Usually with circumneutral soils.

**Life History:** Georgia aster reproduces primarily by the spread of rhizomes, which send up new stems at the tips, forming colonies. The lack of sexual reproduction in the wild is not well understood but may be due to the fragmentation of populations. Since Georgia aster flowers require cross-pollination in order to set seed, and since most populations consist of clones of the same individual, there is little opportunity for cross-pollination. In cultivation, plants produce seeds which readily germinate.

**Survey Recommendations:** Surveys are best conducted during flowering (late September–mid-November).

**Range:** Georgia, Alabama, South Carolina, and North Carolina.

**Threats:** Conversion of habitat to developments, pastures, highways, and pine plantations. Use of herbicides in roadside and utility rights-of-way. Invasion of habitat by exotic pest plants. Canopy closure and encroachment by woody plants.

**Georgia Conservation Status:** About 30 populations have been observed but only 15 small populations have survived; 8 of these occur in state parks or on national forest lands.

**Conservation and Management Recommendations:** Use prescribed fire or mowing in winter or early spring to create or maintain sunny openings. Avoid use of herbicides. Avoid clearcutting and soil disturbance. Eradicate exotic pest plant species. Protect sites from conversion to pine plantations or other developments.

**Selected References:**


**Author of Species Account:** Linda G. Chafin

**Date Compiled or Updated:**
L.Chafin, Sep. 2008: original account
D.Weiler, Feb. 2010: added pictures
Z. Abouhamdan, April 2016: removed broken link

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GEORGIA ASTER
Symphyotrichum georgianum

hairy bracts
disk flowers
ray flowers
clasping leaf base
leaf surface