

UNITED STATES DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE

NOTICE OF SOURCE IDENTIFIED GERMPLASM RELEASE
LEFLORE CREEPING BURHEAD

The USDA, Natural Resources Conservation Service announces the naming and release of source identified germplasm of *cv. Leflore creeping burhead, Echinodorus cordifolius* (L.) Griseb.

This creeping burhead has been assigned the NRCS accession number 9062853.

ORIGIN:

Leflore creeping burhead was collected in Leflore County, Mississippi in Section 21, Township 21N, Range 1W on the east side right-of-way of Highway 49E, at Ashland Brake. The site elevation is approximately 125 feet above mean sea level. Average annual precipitation is 52 inches.

ECOTYPE DESCRIPTION:

Leflore creeping burhead is typical of the species. It is a creeping annual or short-lived perennial. Leaf blades are broad-ovate, 5-18 cm long, 4-16 cm wide, rounded apically, truncate to cordate at the base, 7-9 principal veins, with almost straight cross veins. Leaf petioles are 10-50 cm long, enlarged and spongy below. Scapes up to 1.3 m long; upright when young, but often drooping and rooting at the nodes and tips to produce new plantlets. Flowers are perfect, in whorls of 5-15 at the nodes of the arching scape, pedicellate, subtended but a triangular bract. Sepals are 5-6 mm long; petals are 5-12 mm long, white; stamens 15-20; pistils many, tapered, persisting as a beak. Fruiting heads globose; achenes about 2 mm long, ribbed and beaked; seed shiny and reticulate. Flowering occurs from June until frost.

SITE DESCRIPTION:

This creeping burhead was collected from standing water 10-15 inches deep in December 1994. This area probably dries to a mud flat by autumn. It is almost certainly inundated to a depth greater than 10-15 inches in late winter and early spring. Soil near the site is Dowling, which has a pH of 5.1-6 within the top 40 inches of soil. The actual growth medium was fine textured, mostly silt and/or clay, with a good amount of organic matter. The yearly mean temperature is 64°F , with a mean high of 75°F and a mean low of 45°F . The extreme high is 108°F , and the extreme low is -6°F .

LITERATURE REVIEW:

Creeping burhead ranges from Maryland west to Missouri and south to east Texas and the Florida panhandle. It is found

chiefly in ditches, wet woods, and along shorelines and in marshes (Godfrey and Wooten, 1979). No sources were found regarding propagation of this species.

AVAILABILITY OF PLANT MATERIALS:

Limited quantities of Leflore creeping burhead propagules are available from the Jamie L. Whitten Plant Materials Center, Route 3, Box 215-A, Coffeeville, Mississippi 38922-9263.

REFERENCE:

Godfrey, Robert K. and Jean W. Wooten. 1979. Aquatic and Wetland Plants of Southeastern United States - Monocotyledons. The University of Georgia Press, Athens, Georgia.

Approved by: _____

Homer L. Wilkes,
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Date