

SMALL BUR-REED

Sparganium natans L.

plant symbol = SPNA

Contributed By: USDA, NRCS, National Plant Data Center



@ PLANTS

Uses

Ethnobotanic. The Klamath Indians dug the tubers (possibly *Sparganium angustifolium*, *S. erectum*, and/or *S. eurycarpum*) produced in late autumn from the creeping rootstocks of some of the species of this genus, and use them as food (Steyermark 1963). An infusion of *Sparganium erectum* can be mixed with other plant leaves and used in the treatment of chills (Moerman 1998). A decoction of *Sparganium stoloniferum* root was used in the treatment of chest pains and abdominal pain (Yeung 1985).

Status

Please consult the PLANTS Web site and your State Department of Natural Resources for this plant's current status, such as, state noxious status and wetland indicator values.

Description

General: Bur-reed family (Sparaniaceae).

American bur-reed

Sparganium americanum (SPAM)

branched bur-reed

Sparganium androcladum (SPAN)

narrowleaf bur-reed

Sparganium angustifolium (SPAN2)

simplestem bur-reed

Sparganium erectum (SPER)

broadfruit bur-reed

Sparganium eurycarpum (SPEU)

floating bur-reed

Sparganium fluctuans (SPFL)

clustered bur-reed

Sparganium glomeratum (SPGL)

northern bur-reed

Sparganium hyperboreum (SPHY)

small bur-reed

Sparganium natans (SPNA)

These bur-reed species are native, herbaceous marsh or pond plants with rootstocks. The leaves are alternate, stiff and erect or limp and floating, linear, and internally septate (The Great Plains Flora Association 1986). The individual flowers are small and occur in separate male (staminate) or female (pistillate) globular clusters on the same plant. (Steyermark 1963).

Distribution: A genus of twenty or more *Sparganium* species is widely distributed in temperate and colder latitudes of the eastern and western hemispheres, and in eastern North America (Braun 1967). For current distribution, please consult the Plant profile page for this species on the PLANTS Web site.

Adaptation

This species grows best on wet ground in rich soil. It prefers full sun but can tolerate some shade.

Sparganium species is mostly found in muddy or shallow water of swamps and ponds. For current distribution, please consult the Plant profile page for this species on the PLANTS Web site

Establishment

Propagation by Seed: *Sparganium* seeds should be sown as soon as they are ripe in the greenhouse. This species should be placed in pots standing in two to three centimeters of water. Place the seedlings into individual pots when they are large enough to handle

and gradually increase the depth of water with plant growth. Plant *Sparanium* sp to their permanent positions in the summer.

Large divisions can be planted directly into their permanent positions. While allowing smaller potted divisions to grow in a cold frame until they are well established and ready for summer out-planting to their permanent location..

Management

Seeds of most aquatic plants should be sown as soon as they are ripe. The seeds lose viability quickly if it is allowed to dry out. If immediate sowing is inconvenient, store seeds in moist peat, or substitute in a plastic bag and keep frost-free (Heuser 1997).

References

Braun, L.E. 1967. *The monocotyledoneae from cat-tails to orchids*. The Ohio State University Press, Columbus, Ohio.

Gleason, H. A. & A. Cronquist 1993. *Manual of vascular plants of northeastern United States and adjacent Canada*. 2nd ed. The New York Botanical Garden, Bronx, New York.

Heuser, C. W. 1997. *The complete book of plant propagation*. The Taunton Press, Newtown, Connecticut.

Peck, M.E. 1961. *A manual of the higher plants of Oregon*. 2nd ed. Oregon State University Press, Portland, Oregon.

Small, J.K. 1933. *Manual of the southeastern flora*. The University of North Carolina Press, Chapel Hill, North Carolina.

Steyermark, J. A. 1963. *Flora of Missouri*. The Iowa State University Press, Ames, Iowa.

Strausbaugh, P. D. & E. L. Core 1977. *Flora of West Virginia*. 2nd ed. Seneca Books, Inc., Morgantown, West Virginia.

The Great Plains Flora Association 1986. *Flora of the Great Plains*. University Press of Kansas, Lawrence, Kansas.

Yeung, H.C. 1985. *Handbook of Chinese herbs and formulas*. Institute of Chinese Medicine, Los Angeles, California.

Prepared By

Jammie Favorite

formerly USDA, NRCS, National Plant Data Center
Baton Rouge, Louisiana

Species Coordinator

Lincoln M. Moore

USDA, NRCS, National Plant Data Center
Baton Rouge, Louisiana

Edited: 10jan02 jsp

For more information about this and other plants, please contact your local NRCS field office or Conservation District, and visit the PLANTS Web site <<http://plants.usda.gov>>.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, political beliefs, sexual orientation, and marital or family status. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call (202) 720-5964 (voice or TDD). USDA is an equal opportunity provider and employer.