

CALIFORNIA

BULRUSH

Schoenoplectus californicus

(C.A. Mey) Palla

Plant Symbol = SCCA11

Contributed by: USDA, NRCS Golden Meadow Plant Materials Center



USDA- NRCS Golden Meadow Plant Materials Center

Alternate Names

Scientific Names

Scirpus californicus (C.A. Mey.) Steud

Common Names

Bullwhip, Giant Rush

Uses

California bulrush is used effectively to control shoreline erosion along streams, bayous, levee banks, canals and other places where land and water meet. Additionally, this species will form a vegetative barrier across open water reducing wave energy impacting shorelines. California bulrush is being used extensively in marsh restoration. Many forms of wildlife will utilize the plants for food and cover.

Status

Please consult the Plants website and your State Department of Natural Resources for this plant's current status (e.g. threatened or endangered species, state noxious status, and wetland indicator values)

Description

California bulrush is a native, herbaceous, rhizomatous perennial which forms dense colonies on mud flats, in open water and at shore water interface. The stems are remarkable in their length of five to ten feet. The stems are slightly angled with drooping branched terminal inflorescences.

Adaptation

California bulrush is an obligate wet site species found in coastal fresh water wetlands. Bulrush will tolerate only slight salinity (0-5 part per thousand), but will tolerate periodic short pulses of more saline water. This species can grow in water up to 36 inches or more. Plants tend to grow in a continuous colony parallel to the shore. Where competition with other species is not limiting, colonies grow in somewhat circular stands.

Establishment

California bulrush is best established with plugs or potted plants derived from divisions of the rhizomes. Production of viable seed has proven unreliable for commercial purposes.

Planting success is optimal in 12 inches of water but can be successful in one to 24 inches of water. Spacing depends on the size of the plant. Trade gallons can be planted on spacing of five to ten feet, while smaller plants should be closer. Planting in rows parallel to the shore is most effective. In zones of high wave energy, plantings should be anchored in the hole by stakes or pins until the plant establishes itself.

Management

California bulrush will thrive in a wide variety of marsh sites from mud flats to open water. Water management is critical during establishment and through the life of the wetland. Changes in water levels can influence species composition and plant communities.

Pests and Potential Problems

Nutria is the greatest cause of problems in California bulrush establishment. Nutria will excavate plants to feed on the roots. Where nutria are a problem, well anchored wire cages are required to allow plants to become established.

Cultivars, Improved and Selected Materials (and area of origin

The USDA NRCS Plant Materials Centers have one released two variety:

'Restorer' is a cultivar of *S. californicus* released by the USDA, NRCS Jimmy Carter Plant Materials Center, Americus, Georgia

Bayou Lafourche Germplasm is a pre-varietal select release of *S. californicus* from the USDA, NRCS Golden Meadow Plant Materials Center, Galliano, Louisiana.

Commercial varieties of California bulrush are available from local nurseries. Contact your local Natural Resources Conservation Service office for more information.

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Edited: 01feb2007 mjh

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>> or the Plant Materials Program Web site <<http://Plant-Materials.nrcs.usda.gov>>

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