

Sagittaria latifolia

Broadleaf Arrowhead

Common Arrowleaf
Duck Potato

Preferred Water Depth and Inundation Tolerance

Prefers water depth of 6-20 inches (Max: 24"/Min: saturated mudflats). Species will tolerate some inundation for relatively short periods.

Wildlife Value

Provides waterfowl and wildlife food. Smaller tubers and seeds are eaten by rails, ducks, and swans, especially canvasback duck, Canada geese, gadwall duck, trumpeter swan, and whistling swan. Tubers and plants are eaten by muskrats, porcupines, beaver, and many others. Also provides habitat for macroinvertebrates and game fish--especially channel catfish, white bass, shiners, and shad. Also provides habitat for frogs, snakes and turtles. May serve as nesting material for black tern. Newly planted rootstock is frequently devoured by Canada geese.

Application/Zone

Used in lower shoreline zones.

Availability, Establishment, and Maintenance

- Seed, tubers, rootstock, and transplants are available from commercial vendors. Rootstock establishment is most common and the easiest method.
- Fall seeding is recommended to provide cold stratification. Broadcast the seed and cover with a thin layer of soil.
- Plant tubers 2-3 inches in the ground in the spring. Transplants and tubers are usually planted on 2-6 foot centers and must be protected from depredation. Tubers and seed should be kept in moist to saturated soil conditions. Tubers require a 6 to 8 week cold treatment to break dormancy.
- Gradually raise the water level as shoots emerge. This species has a rapid rate of spread by runners and tubers.
- Tubers survive freezing and oxygen depletion.
- This species has high seedbank longevity.

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Mature Height

Leaves 2-8 inches
Inflorescence 4-30 inches

Plant Type

Perennial emergent herb

Indicator Status

Obligate

pH

5.9-8.8

Nutrient Load Tolerance

Moderate

Salt Tolerance

Low

Siltation Tolerance

Low

Flowering Color and Time

White
July to September

Light Preference

Partial to full sun

Seeding Rate

.12 - .19 lbs/acre

