

## **Preferred Water Depth and Inundation Tolerance**

Prefers moist soil and is drought tolerant. Species tolerates moderate dormant-season flooding.

## **Wildlife Value**

Acorns of this species are eaten by squirrels, wood ducks, deer, rabbit, and mice. Also used as cover and for nesting sites.

## **Application/Zone**

Planted in shelter belts for wind erosion control. Provides upland slope buffer stabilization.

## **Availability, Establishment, and Maintenance**

- Limited availability from commercial vendors.
- Seed must be stored moist for a short time only. Seed germination is improved by stratification. Seeds germinate readily at most temperatures if protected from grubs and other depredation. Seeds may die if moisture falls below 20 - 22%.
- Seedlings develop a deep tap root and extensive lateral roots, making the species difficult to transplant, though bag or pot-grown trees can readily be transplanted.
- Best success has been observed with small bare root seedlings which require watering to reduce transplant shock.
- Fall planting works best.

# Bur Oak

*Quercus macrocarpa*

## Mature Height

60-70 feet

## Plant Type

Deciduous tree

## Indicator Status

Facultative (-)

## pH

Not available

## Nutrient Load Tolerance

Low to high

## Salt Tolerance

Low

## Siltation Tolerance

Low to moderate

## Flowering Color and Time

April to May

## Light Preference

Full sun

Not shade tolerant

## Seeding Rate

Not applicable

