

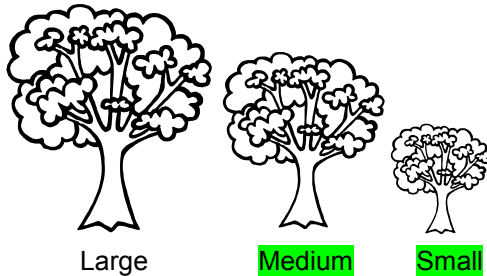
American Hornbeam, Musclewood, Ironwood

Carpinus caroliniana

Hardiness Zone	4
Mature Height	20-30 feet
Mature Form	Rounded to broad-spreading
Features	Crisp, green summer foliage; smooth gray bark and branches with a sinewy or muscled appearance; red-orange fall color
Insect or Diseases	No common problems
Culture	Full sun to shade; best in moist soils, but tolerates both wet and dry sites; prefers slightly acid to neutral soil pH
Notes	This is an understory tree in the forest so it is able to withstand a great deal of shade



Size



Exposure



Full Sun

Partial Shade

Shade

Tolerance

Wind	Yes
Wet Sites	Yes
Dry Sites	Yes
Alkaline Soil	No
Salt	No
Air Pollution	No
Soil Compaction	No

Uses

Windbreak	No
Street	Yes
Specimen	No
Shade	Yes
Massing	Yes
Screen	No
Patio	Yes