

Scientific Name: *Carpinus caroliniana*

Common Name: Ironwood, Musclewood, or American Hornbeam

Environmental Conditions:

Hardiness Zone: 3b

Soil Moisture:

VERY WET			VERY DRY								
occasionally saturated or very wet soil			consistently moist, well drained soil			occasional periods of dry soil			prolonged periods of dry soil		
	2	3	4	5	6	7	8	9	10	11	12

Sun/Shade: prefers partial shade, tolerates full shade

Salt: sensitive

pH: ≤ 7.5

Insect/Disease Factors: relatively pest free

Growth Characteristics:

Height: 30'

Width: 25'

Form/Habit: rounded, spreading, sometimes more flat-topped, often irregular, clump or single stem forms available

Rate: slow

Ornamental Characteristics:

Flower: 2"-4" long pendulous clusters of green leafy bracts

Fruit: small nutlets partly enclosed by green leafy flower bracts

Seasonal Foliage Color: dark green, often lustrous in summer, yellow to orange-red in fall

Bark: attractive, smooth gray, irregularly fluted "muscle" look

Transplant Issues: difficult to transplant B&B or bare root, somewhat slow to establish

Management Issues: none of significance

Suggested Uses: narrow or wide street tree lawns/pits, parks

Cultivars: none available commercially



Clump Form