

Castanea dentata

(American Sweet Chestnut)

The American Chestnut used to be the grandest tree in the eastern North American forest, which changed when the chestnut blight fungus reached America. The chestnut tree was wiped out. Other sized of the tree can be found at botanical gardens and in the woods.



Plant Image

Landscape Information

French Name: Châtaignier d'Amérique
Pronounciation: cas-TAY-nee-uh den-TAH-tuh
Plant Type: Tree
Origin: North America
Heat Zones: 1, 2, 3, 4, 5, 6, 7, 8
Hardiness Zones: 4, 5, 6, 7, 8
Uses: Specimen, Shade, Edible
Size/Shape
Growth Rate: Moderate
Tree Shape: Round
Canopy Symmetry: Symmetrical
Canopy Density: Medium
Canopy Texture: Coarse
Height at Maturity: 8 to 15 m
Spread at Maturity: 10 to 15 meters

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Flower Image

Botanical Description

Foliage

Leaf Arrangement: Alternate

Leaf Venation: Pinnate

Leaf Persistence: Deciduous

Leaf Type: Simple

Leaf Blade: 10 - 20

Leaf Shape: Lanceolate

Leaf Margins: Serrate

Leaf Scent:

Color(growing season): Green

Color(changing season): Yellow, Copper

Flower

Flower Showiness: True

Flower Size Range: 10 - 20

Flower Type: Catkin

Flower Sexuality: Monoecious (Bisexual)

Flower Scent: Pleasant

Flower Color: Yellow, White

Seasons: Spring, Summer

Trunk

Trunk Susceptibility to Breakage: Generally resists breakage

Number of Trunks: Multi-Trunked

Fruit

Fruit Type: Nut

Fruit Showiness: True

Fruit Size Range: 3 - 7

Fruit Colors: Green

Seasons: Spring, Summer

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Leaf Image

Horticulture Management

Tolerance

Frost Tolerant: Yes

Heat Tolerant: No

Drought Tolerant: Yes

Salt Tolerance: Poor

Requirements

Soil Requirements: Clay, Loam, Sand

Soil Ph Requirements: Acidic, Alkaline

Water Requirements: Moderate

Light Requirements: Full, Part

Management

Toxity: No

Susceptibility to Pests and Diseases: Yes

Pruning Requirement: Little needed, to develop a strong structure

Fruit/ Leaves/ Flowers litter: Yes

Diseases: Blights

Edible Parts: Seeds

Plant Propagations: Seed, Cutting, Grafting

MORE IMAGES



Fruit Image



Bark Image



Other Image