

Fagus sylvatica

(European Beech)

European beech is magnificent spreading deciduous tree is best known for its smooth silver-gray bark. It has a glossy elliptic bright green leaf which turned yellow or copper color in the fall. Inconspicuous flowers in spring are followed by small bristly capsules in late summer and fall. The tree is very tough and reliable. Grows very slow and can live for hundreds of years. Prefers sun or partial sun, established trees tolerate some drought. The large form of this tree ideal for park trees and for specimens. Hedge can be created with heavy pruning.



Plant Image

Landscape Information

French Name: Hêtre, fayard

Pronunciation: FAY-gus sill-VAT-ih-kuh

Plant Type: Tree

Origin: Europe

Heat Zones: 1, 2, 3, 4, 5, 6, 7, 8

Hardiness Zones: 5, 6, 7, 8, 9

Uses: Screen, Hedge, Espalier, Specimen, Shade, Wildlife

Size/Shape

Growth Rate: Slow

Tree Shape: oval

Canopy Symmetry: Symmetrical

Canopy Density: Dense

Canopy Texture: Medium

Height at Maturity: 15 to 23 m

Spread at Maturity: Over 15 meters

Time to Ultimate Height: More than 50 Years

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Flower Image

Botanical Description

Foliage

Leaf Arrangement: Alternate

Leaf Venation: Pinnate

Leaf Persistence: Deciduous

Leaf Type: Simple

Leaf Blade: 5 - 10 cm

Leaf Shape: Ovate

Leaf Margins: Undulate, Entire

Leaf Textures: Glossy, Medium

Leaf Scent: No Fragrance

Color(growing season): Green

Color(changing season): Yellow, Copper

Flower

Flower Showiness: False

Flower Size Range: 1.5 - 3

Flower Type: Catkin

Flower Sexuality: Monoecious (Bisexual)

Flower Scent: No Fragrance

Flower Color: Brown

Seasons: Spring

Trunk

Trunk Susceptibility to Breakage: Generally resists breakage

Number of Trunks: Single Trunk

Trunk Esthetic Values: Showy, Smooth

Fruit

Fruit Type: Nut

Fruit Showiness: True

Fruit Size Range: 3 - 7

Fruit Colors: Brown

Seasons: Fall

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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

Soil Ph Requirements: Neutral

Water Requirements: Moderate, Low

Light Requirements: Full, Part

Management

Toxity: No

Invasive Potential: No

Susceptibility to Pests and Diseases: Yes

Pruning Requirement: Little needed, to develop a strong structure

Fruit/ Leaves/ Flowers litter: Yes

Surface Rooting: Yes

Life Span: More than 50

Diseases: Powdery Mildew, Canker

Edible Parts: None

Pests: Caterpillars, Scales, Aphids

Plant Propagations: Seed, Grafting

MORE IMAGES



Fruit Image



Bark Image



Other Image