

Aesculus hippocastanum

(Horsechestnut)

Horse chestnut is a tall, rounded, deciduous tree reaching 30 m in maturity. It bears large white flower yellow or pink markings in the spring. The large leaves can cast a dense shade. In the fall it produces a large spiny fruit. This sun-loving tree does well in moist, well-drained soil, and tolerates salt some pollution, it suits best in suburban . It can be grown in any type of soil will grow even in calcareous soil . The tree usually develops leaf scorch in dry soil, and powdery mildew during the summer, causing leaves to drop.



Plant Image

Landscape Information

French Name: Marronnier commun

Pronunciation: ESS-kew-lus hip-oh-kass-TAY-num

Plant Type: Tree

Origin: Balkans

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

Hardiness Zones: 3, 4, 5, 6, 7, 8

Uses: Screen, Specimen, Shade, Windbreak, Wildlife, Street

Size/Shape

Growth Rate: Moderate

Tree Shape: oval

Canopy Symmetry: Symmetrical

Canopy Density: Dense

Canopy Texture: Coarse

Height at Maturity: 8 to 15 m

Spread at Maturity: 5 to 8 meters

Time to Ultimate Height: 20 to 50 Years

Notes

The large brown nuts covered with spiny husks fall and can injure cars or people walking on the sidewalk. Leaf scorch (brown edges) may occur in drought conditions or on sites exposed to wind.

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Flower Image

Botanical Description

Foliage

Leaf Arrangement: Opposite

Leaf Venation: Pinnate

Leaf Persistence: Deciduous

Leaf Type: Palmately Compound

Leaf Blade: 10 - 20

Leaf Shape: Obovate

Leaf Margins: Double Serrate

Leaf Textures: Coarse

Leaf Scent: No Fragrance

Color(growing season): Green

Color(changing season): Yellow

Flower

Flower Showiness: True

Flower Size Range: 3 - 7

Flower Type: Panicle

Flower Sexuality: Monoecious (Bisexual)

Flower Scent: Pleasant

Flower Color: White

Seasons: Spring

Trunk

Trunk Susceptibility to Breakage: Suspected to breakage

Number of Trunks: Single Trunk

Trunk Esthetic Values: Showy

Fruit

Fruit Type: Capsule

Fruit Showiness: True

Fruit Size Range: 3 - 7

Fruit Colors: Brown

Seasons: Spring

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Leaf Image

Horticulture Management

Tolerance

Frost Tolerant: Yes

Heat Tolerant: No

Drought Tolerant: Yes

Salt Tolerance: Moderate

Requirements

Soil Requirements: Clay, Loam, Sand

Soil Ph Requirements: Acidic, Neutral, Alkaline

Water Requirements: Moderate

Light Requirements: Full, Part

Management

Toxity: Yes

Invasive Potential: No

Susceptibility to Pests and Diseases: Yes

Pruning Requirement: Needed, to develop a strong structure

Fruit/ Leaves/ Flowers litter: Yes

Surface Rooting: No

Life Span: More than 50

Edible Parts: None

Pests: Caterpillars, Scales, Beetles

Plant Propagations: Seed, Cutting, Grafting

MORE IMAGES



Fruit Image



Bark Image



Other Image