

## Carpinus betulus

### (Hornbeam)

Carpinus betulus is a deciduous tree with a low canopy and an upright, triangular shape. The leaves are mid-green turning yellow and orange in autumn. The plant grows slowly and it shallow rooted. It has a very attractive autumn leaf color. Can not grown in heat but takes drought very well. Perfect for trimmed hedges.



Plant Image

#### Landscape Information

**French Name:** Charme commun

**Pronounciation:** kar-PYE-nus BET-yoo-lus

**Plant Type:** Tree

**Origin:** Asia, Europe, Turkey

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

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

**Uses:** Screen, Hedge, Topiary, Bonsai, Specimen, Shade, Street, Pollution Tolerant / Urban

#### Size/Shape

**Growth Rate:** Slow

**Tree Shape:** Pyramidal

**Canopy Symmetry:** Irregular

**Canopy Density:** Dense

**Canopy Texture:** Fine

**Height at Maturity:** 8 to 15 m

**Spread at Maturity:** 5 to 8 meters

**Time to Ultimate Height:** 20 to 50 Years

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(Hornbeam)



Flower Image

## Botanical Description

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### Foliage

**Leaf Arrangement:** Alternate

**Leaf Venation:** Pinnate

**Leaf Persistence:** Deciduous

**Leaf Type:** Simple

**Leaf Blade:** 5 - 10 cm

**Leaf Shape:** Oblong

**Leaf Margins:** Double Serrate

**Leaf Textures:** Glossy

**Leaf Scent:** No Fragrance

**Color(growing season):** Green

**Color(changing season):** Yellow, Orange

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### Flower

**Flower Showiness:** False

**Flower Size Range:** 1.5 - 3

**Flower Type:** Catkin

**Flower Sexuality:** Monoecious (Bisexual)

**Flower Scent:** No Fragrance

**Flower Color:** White

**Seasons:** Spring

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### Trunk

**Trunk Susceptibility to Breakage:** Generally resists breakage

**Number of Trunks:** Can be trained to one trunk

**Trunk Esthetic Values:** Showy

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### Fruit

**Fruit Type:** Samara

**Fruit Showiness:** False

**Fruit Size Range:** 1.5 - 3

**Fruit Colors:** Brown

**Seasons:** Summer, Fall

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Leaf Image

### Horticulture Management

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#### Tolerance

**Frost Tolerant:** Yes

**Heat Tolerant:** No

**Drought Tolerant:** Yes

**Salt Tolerance:** Poor

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#### Requirements

**Soil Requirements:** Clay, Loam, Sand

**Soil Ph Requirements:** Acidic, Neutral

**Water Requirements:** Moderate

**Light Requirements:** Full, Part

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#### 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:** No

**Surface Rooting:** No

**Life Span:** 25-50 years

**Edible Parts:**

**Pests:** Caterpillars, Aphids

**Plant Propagations:** Seed, Cutting, Grafting

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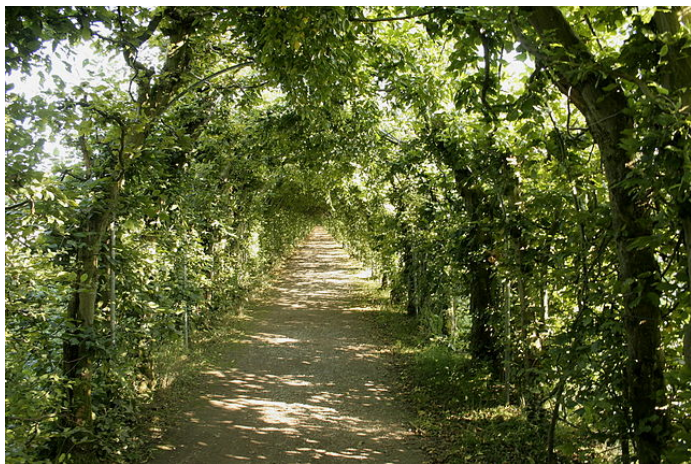
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Fruit Image



Bark Image



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