

Thuja occidentalis

(Eastern Arborvitae, American Arborvitae)

Eastern arborvitae is a scale-leaves evergreen tree with conical shape. The leaves are scale like maximum 2mm in size with a small resinous gland on the back. Crushed foliage emits odor. The original species had leaf discoloring in the wintertime which is not very decorative in landscape. Therefore many different cultivates have been selected for green winter foliage color. The fruit is an overlapping scales turns brown when its ready. It can tolerate wet soil. Needs full sun and average water. Used as hedges, screens or windbreak. Good only for cold climates.



Plant Image

Landscape Information

French Name: thuya d'occident, thuya du Canada, cèdre blanc

Arabic Name: عقص غربي

Pronunciation: THOO-yuh ock-sih-den-TAY-liss

Plant Type: Tree

Origin: North America

Heat Zones: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

Hardiness Zones: 3, 4, 5, 6, 7, 8, 9, 10

Uses: Screen, Hedge, Border Plant, Windbreak

Size/Shape

Growth Rate: Moderate

Tree Shape: oval, Upright

Canopy Symmetry: Symmetrical

Canopy Density: Dense

Canopy Texture: Fine

Height at Maturity: 15 to 23 m

Spread at Maturity: 5 to 8 meters

Time to Ultimate Height: 20 to 50 Years

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Flower Image

Botanical Description

Foliage

Leaf Arrangement: Whorled

Leaf Venation: Nearly Invisible

Leaf Persistence: Evergreen

Leaf Type: Simple

Leaf Blade: Less than 5

Leaf Shape: Scale

Leaf Margins: Entire

Leaf Textures: Coarse

Leaf Scent: Pleasant

Color(growing season): Green

Color(changing season): Green

Flower

Flower Showiness: False

Flower Sexuality: Monoecious (Bisexual)

Trunk

Trunk Susceptibility to Breakage: Generally resists breakage

Number of Trunks: Single Trunk

Trunk Esthetic Values: Showy

Fruit

Fruit Type: Fleshy

Fruit Showiness: True

Fruit Size Range: 1.5 - 3

Fruit Colors: Brown

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Leaf Image

Horticulture Management

Tolerance

Frost Tolerant: Yes

Heat Tolerant: No

Drought Tolerant: No

Salt Tolerance: Poor

Requirements

Soil Requirements: Loam, Sand

Soil Ph Requirements: Acidic, Neutral

Water Requirements: Moderate

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: No

Surface Rooting: No

Life Span: More than 50

Diseases: Blights

Edible Parts: None

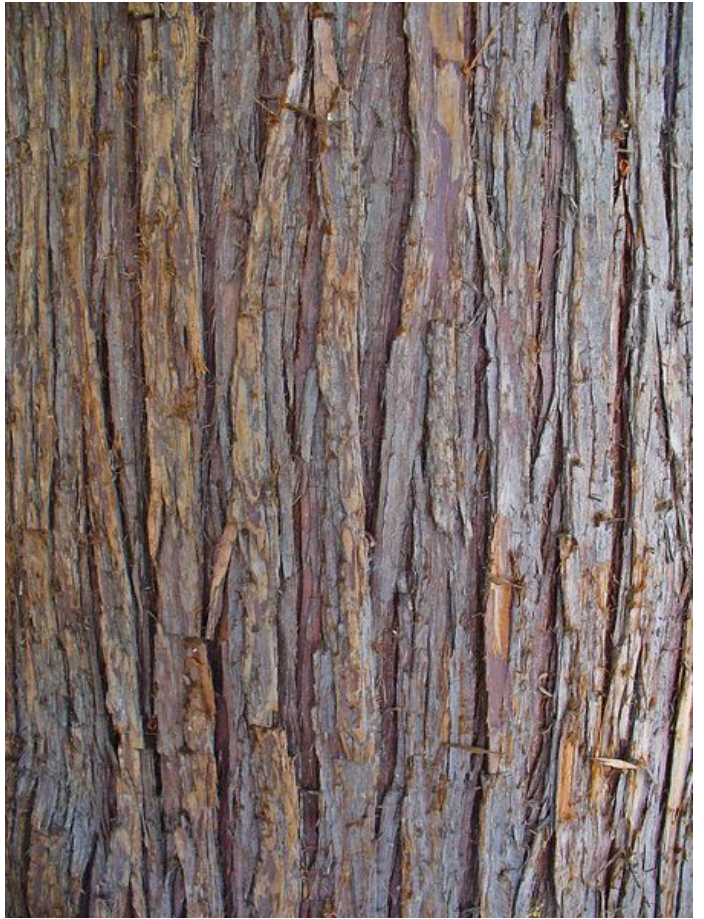
Pests: Mites, Scales, Leaf Miner

Plant Propagations: Seed, Cutting

MORE IMAGES



Fruit Image



Bark Image