

***Magnolia denudata*: Yulan Magnolia¹**

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Introduction

Also known as *Magnolia heptapeta*, this broad, spreading, deciduous tree has a relatively fast growth rate and eventually reaches 30 to 40 feet in height with an equal spread. The crown is open and forms a rounded outline several years after planting in full sun. The off-white, saucer-shaped, six-inch-diameter, fragrant blooms appear on the trees before the emergence of the seven-inch-long, dark green leaves. The blooms are followed by five-inch-long, brown fruits which ripen in early fall to reveal the bright red, inner seeds. Although there is no appreciable fall color change, the multi-stemmed, irregular form of Yulan Magnolia makes it quite striking in the winter garden after the leaves have fallen.

General Information

Scientific name: *Magnolia denudata*

Pronunciation: mag-NO-lee-uh den-yoo-DAY-tuh

Common name(s): Yulan Magnolia

Family: *Magnoliaceae*

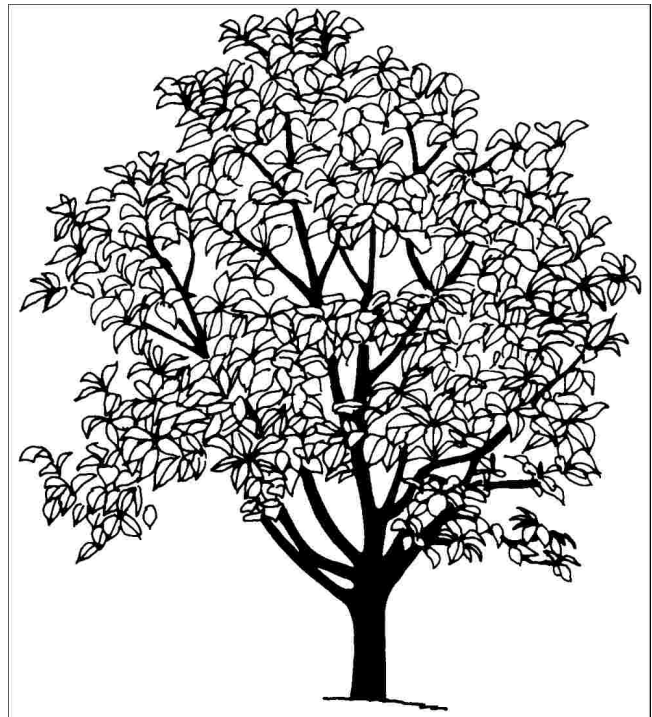


Figure 1. Middle-aged *Magnolia denudata*: Yulan Magnolia

USDA hardiness zones: 5B through 8A (Fig. 2)

Origin: not native to North America

Invasive potential: little invasive potential

1. This document is ENH-537, one of a series of the Environmental Horticulture Department, Florida Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida. Original publication date November 1993. Revised December 2006. Visit the EDIS Web Site at <http://edis.ifas.ufl.edu>.

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Uses: deck or patio; container or planter; specimen; espalier; highway median

Leaf margin: entire

Availability: somewhat available, may have to go out of the region to find the tree

Leaf shape: obovate, oblong

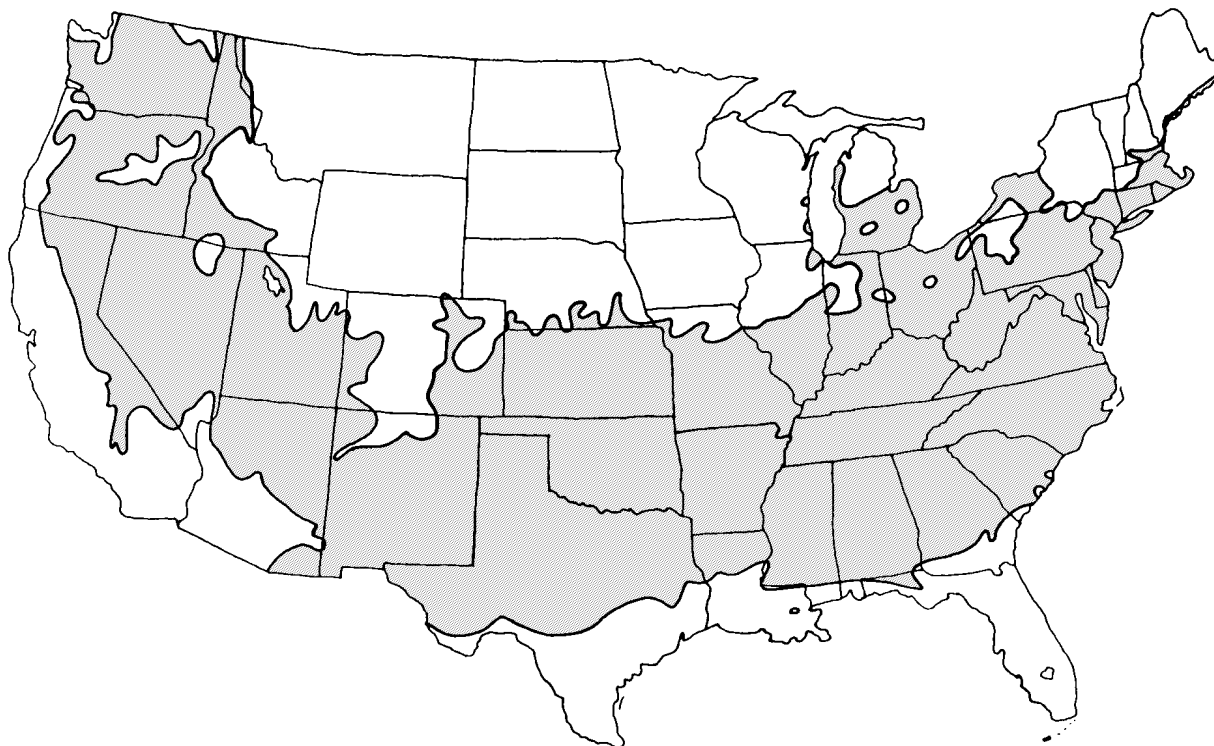


Figure 2. Range

Description

Height: 30 to 40 feet

Spread: 30 to 40 feet

Crown uniformity: irregular

Crown shape: round, spreading

Crown density: open

Growth rate: moderate

Texture: coarse

Foliage

Leaf arrangement: alternate (Fig. 3)

Leaf type: simple

Leaf venation: brachidodrome, pinnate

Leaf type and persistence: deciduous

Leaf blade length: 4 to 8 inches

Leaf color: green

Fall color: no color change

Fall characteristic: not showy

Flower

Flower color: white/cream/gray

Flower characteristics: very showy

Fruit

Fruit shape: elongated

Fruit length: 1 to 3 inches

Fruit covering: dry or hard

Fruit color: brown, red

Fruit characteristics: attracts birds; showy; fruit/leaves not a litter problem

Trunk and Branches

Trunk/bark/branches: branches droop; not showy; typically multi-trunked; thorns

Pruning requirement: needed for strong structure

Breakage: resistant

Current year twig color: green, brown

Current year twig thickness: medium

Wood specific gravity: unknown

Culture

Light requirement: full sun, partial sun or partial shade

Soil tolerances: sand; loam; clay; acidic; well-drained

Drought tolerance: moderate

Aerosol salt tolerance: unknown

Other

Roots: not a problem

Winter interest: yes

Outstanding tree: yes

Ozone sensitivity: tolerant

Verticillium wilt susceptibility: susceptible

Pest resistance: free of serious pests and diseases

Use and Management

This small tree is best used as a patio tree for shade and accent due to the low branching habit, attractive foliage and striking gray bark. It would look very nice lining an entrance walk to a

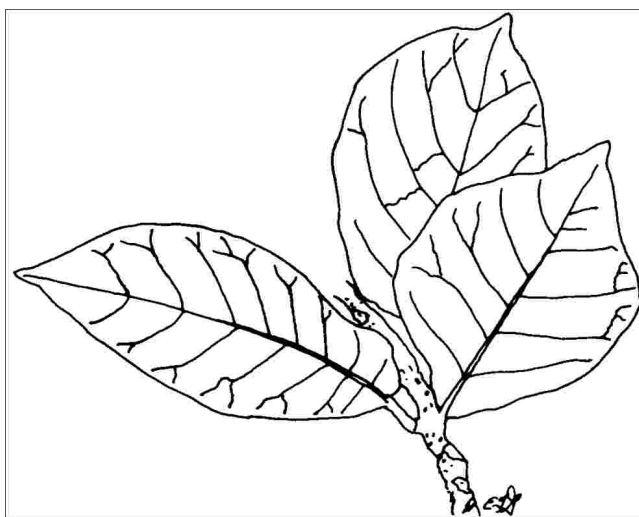


Figure 3. Foliage

commercial building or in a double or single row set back from an entrance roadway or long driveway. Grows well in urban areas but avoid poor, compacted soil. Nice for an urban garden.

Yulan Magnolia should be grown in full sun or partial shade on rich, moisture-retentive soil in an area protected from harsh, dry winds. Plants should not be exposed to overly wet or dry conditions.

Available cultivars include: 'Japanese Clone', larger flowers; 'Lacey', flowers up to eight inches across. Yulan Magnolia was used as a parent plant along with *Magnolia acuminata* to produce the hybrid 'Elizabeth' which has a pyramidal shape and clear yellow, fragrant blooms.

Propagation is by seed sown immediately after ripening, since they will quickly lose their viability. Sometimes cuttings of these trees are grafted onto *Magnolia x soulangiana*

Pests and Diseases

No pests or diseases are of major concern but occasionally bothered by Magnolia scale as are many other Magnolias.