Ginkgo biloba 'Fastigiata': 'Fastigiata' Maidenhair Tree[1]

Edward F. Gilman and Dennis G. Watson[2]

Introduction

This male cultivar of Ginkgo is practically pest-free, resistant to storm damage, and casts dense shade. It makes a durable street tree with a narrow crown spreading to about 12 or 15 feet. A good tree for growing in a restricted overhead space. Other narrow upright cultivars include `Princeton Sentry' and `Fairmont'. Ginkgo tolerates most soil, including compacted, and alkaline. The tree is easily transplanted and has a vivid yellow fall color which is second to none in brilliance, even in the south. However, leaves fall quickly and the fall color show is short. Unlike the species, the tree does not set fruit.



Figure 1. Middle-aged *Ginkgo biloba* 'Fastigiata': 'Fastigiata' Maidenhair Tree
Credits: Ed Gilman

General Information

Scientific name: *Ginkgo biloba*
Pronunciation: GINK-go bye-LOE-buh
Common name(s): 'Fastigiata' Maidenhair Tree, `Fastigiata' Ginkgo
Family: *Ginkgoaceae*
USDA hardiness zones: 5A through 8A (Fig. 2)
Origin: not native to North America
Invasive potential: little invasive potential
Uses: highway median; urban tolerant; tree lawn > 6 ft wide; street without sidewalk; sidewalk cutout (tree pit); Bonsai

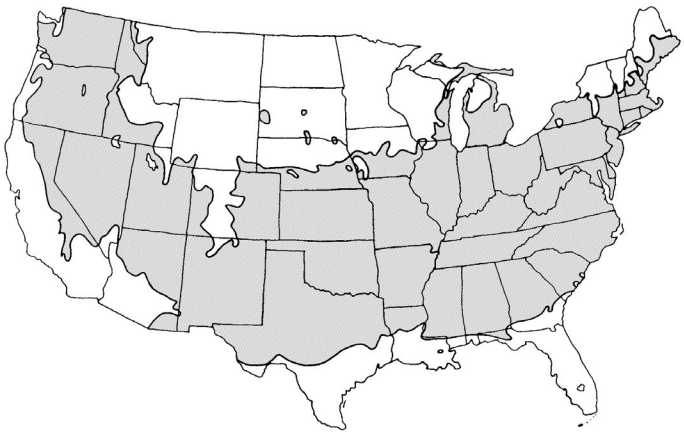


Figure 2. Range

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Availability: not native to North America

Description

Height: 50 to 75 feet
Spread: 10 to 15 feet
Crown uniformity: symmetrical
Crown shape: upright/erect, columnar
Crown density: dense
Growth rate: slow
Texture: medium

Foliage

Leaf arrangement: alternate (Fig. 3)
Leaf type: simple
Leaf margin: lobed
Leaf shape: fan-shaped
Leaf venation: parallel, palmate
Leaf type and persistence: deciduous
Leaf blade length: 2 to 4 inches
Leaf color: green
Fall color: yellow
Fall characteristic: showy

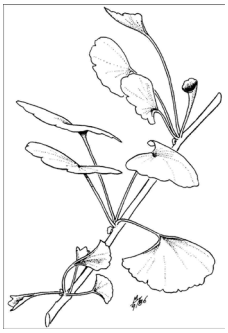


Figure 3. Foliage

Flower

Flower color: green
Flower characteristics: not showy

Fruit

Fruit shape: no fruit
Fruit length: no fruit
Fruit covering: no fruit
Fruit color: no fruit
Fruit characteristics: no fruit

Trunk and Branches

Trunk/bark/branches: branches don't droop; showy; typically one trunk; thorns
Pruning requirement: little required
Breakage: resistant
Current year twig color: brown, gray
Current year twig thickness: medium, thick
Wood specific gravity: unknown

Culture

Light requirement: full sun, partial sun or partial shade
Soil tolerances: sand; loam; clay; acidic; alkaline; well-drained; occasionally wet
Drought tolerance: high
Aerosol salt tolerance: moderate

Other

Roots: not a problem
Winter interest: yes
Outstanding tree: no
Ozone sensitivity: unknown
Verticillium wilt susceptibility: resistant
Pest resistance: free of serious pests and diseases

Use and Management

Ginkgo may grow extremely slow for several years after planting, but will then pick up and grow at a moderate rate, particularly if it receives an adequate supply of water and some fertilizer. But do not overwater or plant in a poorly-drained area. Keep turf away from several feet around the trunk to help the tree become established. Very tolerant of urban soils and pollution, Ginkgo could be used more in USDA hardiness zone 7 but is not recommended in central and southern Texas or Oklahoma due to summer heat. Adapted for use as a street tree, even in confined soil spaces. Some early pruning to form one central leader and to eliminate vigorous upright branches is helpful.

There are several other cultivars: `Autumn Gold' - male, fruitless, bright gold fall color and rapid growth rate; `Fairmont' - male, fruitless, upright, oval to pyramidal form; `Laciniata' - leaf margins deeply divided; `Lakeview' - male, fruitless, compact broad conical form; `Mayfield' - male, fruitless, upright fastigiate (columnar) growth; `Pendula' - pendent branches; `Princeton Sentry' - male, fruitless, fastigiate, narrow conical crown for restricted overhead spaces, popular, 65 feet tall, available in some nurseries; `Santa Cruz' - umbrella-shaped, `Variegata' - variegated leaves.

Propagation is by seed or grafting males.

Pests and Diseases

This tree is pest-free and considered resistant to gypsy moth.