Sophora secundiflora
Texas-Mountain-Laurel

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INTRODUCTION

Texas-Mountain-Laurel is a small North American native evergreen, growing 15 to 25 feet tall with a 10-foot-spread but is capable of reaching up to 50 feet tall in its native habitat (Fig. 1). It has a narrow upright silhouette and dense foliage which lends itself well to being pruned into a tree form. Texas-Mountain-Laurel can be used as a specimen, patio, or street tree and is ideal for use as a screen, bank cover, or an espalier. The two-inch-long, dark green leaves are glossy, thick, and leathery. In spring, Texas-Mountain-Laurel is a beautiful sight as it displays its dense, two to five-inch-long, pendulous clusters of purple/blue, extremely fragrant flowers. Every so often, a white-flowered form can be found. The hairy seedpods which follow are eight inches long and ripen to reveal the inner, bright red seeds. These seeds are quite decorative and have been used to make necklaces but they are also poisonous. The fissured bark is dark gray to black.

GENERAL INFORMATION

Scientific name: Sophora secundiflora
Pronunciation: sah-FOR-uh seck-un-dih-FLOR-uh
Common name(s): Texas-Mountain-Laurel, Mescalbean
Family: Leguminosae
USDA hardiness zones: 7B through 10A (Fig. 2)
Origin: native to North America
Uses: Bonsai; container or above-ground planter; hedge; large parking lot islands (> 200 square feet in size); wide tree lawns (>6 feet wide); medium-sized parking lot islands (100-200 square feet in size); medium-sized tree lawns (4-6 feet wide);

Figure 1. Mature Texas-Mountain-Laurel.

recommended for buffer strips around parking lots or for median strip plantings in the highway; near a deck or patio; reclamation plant; screen; small parking lot islands (< 100 square feet in size); narrow tree lawns (3-4 feet wide); specimen; sidewalk cutout (tree pit); residential street tree; no proven urban tolerance
Availability: somewhat available, may have to go out of the region to find the tree

DESCRIPTION

Height: 15 to 20 feet
Spread: 10 to 12 feet
Crown uniformity: symmetrical canopy with a regular (or smooth) outline, and individuals have more or less identical crown forms

1. This document is adapted from Fact Sheet ST-597, a series of the Environmental Horticulture Department, Florida Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida. Publication date: October 1994.
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Crown shape: round; upright
Crown density: open
Growth rate: slow
Texture: fine

Foliage
Leaf arrangement: alternate (Fig. 3)
Leaf type: odd pinnately compound
Leaflet margin: entire
Leaflet shape: elliptic (oval); obovate
Leaflet venation: banchidodrome; pinnate
Leaf type and persistence: evergreen
Leaflet blade length: less than 2 inches
Leaf color: green
Fall color: no fall color change
Fall characteristic: not showy

Flower
Flower color: purple
Flower characteristics: pleasant fragrance; spring flowering; very showy

Fruit
Fruit shape: elongated; pod
Fruit length: 3 to 6 inches; 1 to 3 inches
Fruit covering: dry or hard
Fruit color: red; white
Fruit characteristics: does not attract wildlife; no significant litter problem; persistent on the tree; showy

Trunk and Branches
Trunk/bark/branches: routinely grown with, or trainable to be grown with, multiple trunks; grow mostly upright and will not droop; showy trunk; no thorns
Pruning requirement: needs little pruning to develop a strong structure
Breakage: resistant
Current year twig color: brown; green
Current year twig thickness: medium

Culture
Light requirement: tree grows in part shade/part sun; tree grows in full sun

Figure 2. Shaded area represents potential planting range.
USE AND MANAGEMENT

Usually found as a multi-trunked small tree, Texas-Mountain-Laurel can be trained to a single trunk in the nursery. Single-trunked nursery stock would make nice street trees for planting in small soil spaces, and where overhead space is limited by wires or other structures. Plant a row of Texas-Mountain-Laurel on 15 or 20 foot centers to form a nice canopy over a walk, or locate it close to a patio or deck. The bark on multi-trunked specimens shows off nicely when lit up at night from beneath the canopy.

Texas-Mountain-Laurel should be grown in full sun or partial shade on well-drained soil. This tough plant will tolerate hot, windy conditions and alkaline or wet soils but not compacted soil. Young trees may benefit from afternoon shading from the intense summer sun until they become established.

Propagation is by seed, cuttings, layering, or grafting. Trees on well-drained soils reportedly have a deep root system and will transplant poorly from the wild.

Pests and Diseases

No pests or diseases of major concern. Tender, young foliage is occasionally consumed by *Uresiphita reveralis*.

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

Drought tolerance: high

Aerosol salt tolerance: moderate

Other

Roots: surface roots are usually not a problem
Winter interest: no special winter interest
Outstanding tree: tree has outstanding ornamental features and could be planted more
Invasive potential: little, if any, potential at this time
Pest resistance: no pests are normally seen on the tree

Figure 3. Foliage of Texas-Mountain-Laurel.