



# *Stewartia monadelph* Tall Stewartia<sup>1</sup>

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## INTRODUCTION

Tall Stewartia grows 20 to 25 feet in height in as many years though it has been known to reach 80 feet, its young pyramidal crown maturing into an open, multi-trunked form with somewhat horizontal branches (Fig. 1). The 1.5 to 2.5-inch-long dark green leaves cast light shade below this deciduous tree, and cling well into the fall after changing to an attractive deep red. In June the small, white, cupped flowers appear, opening over a four-week period but are not particularly striking. The smooth cinnamon-brown bark is outstanding and help to make Tall Stewartia quite striking in the winter landscape.

## GENERAL INFORMATION

**Scientific name:** *Stewartia monadelph*

**Pronunciation:** stoo-AR-tee-uh mawn-uh-DELL-fuh

**Common name(s):** Tall Stewartia

**Family:** *Theaceae*

**USDA hardiness zones:** 6B through 8 (Fig. 2)

**Origin:** not native to North America

**Uses:** container or above-ground planter; espalier; 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); recommended for buffer strips around parking lots or for median strip plantings in the highway; near a deck or patio; narrow tree lawns (3-4 feet wide); specimen; sidewalk cutout (tree pit); residential street tree; no proven urban tolerance

**Availability:** grown in small quantities by a small number of nurseries

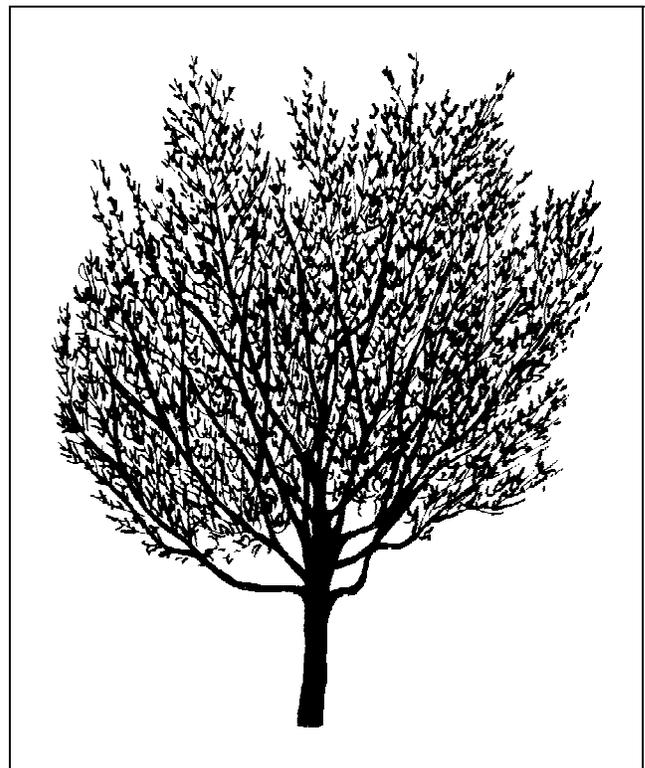


Figure 1. Middle-aged Tall Stewartia.

## DESCRIPTION

**Height:** 20 to 25 feet

**Spread:** 15 to 25 feet

**Crown uniformity:** symmetrical canopy with a regular (or smooth) outline, and individuals have more or less identical crown forms

**Crown shape:** pyramidal; vase shape

**Crown density:** open

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Figure 2. Shaded area represents potential planting range.

**Growth rate:** slow

**Texture:** medium

### Foliage

**Leaf arrangement:** alternate (Fig. 3)

**Leaf type:** simple

**Leaf margin:** serrate

**Leaf shape:** elliptic (oval); ovate

**Leaf venation:** banchidodrome; pinnate

**Leaf type and persistence:** deciduous

**Leaf blade length:** 2 to 4 inches; less than 2 inches

**Leaf color:** green

**Fall color:** red

**Fall characteristic:** showy

### Flower

**Flower color:** white

**Flower characteristics:** showy; summer flowering

### Fruit

**Fruit shape:** oval; round

**Fruit length:** .5 to 1 inch

**Fruit covering:** dry or hard

**Fruit characteristics:** does not attract wildlife; inconspicuous and not showy; no significant litter problem

### Trunk and Branches

**Trunk/bark/branches:** bark is thin and easily damaged from mechanical impact; routinely grown with, or trainable to be grown with, multiple trunks; grow mostly upright and will not droop; tree wants to grow with several trunks but can be trained to grow with a single trunk; very showy trunk; no thorns

**Pruning requirement:** needs little pruning to develop a strong structure

**Breakage:** resistant

**Current year twig color:** green; gray

**Current year twig thickness:** thin

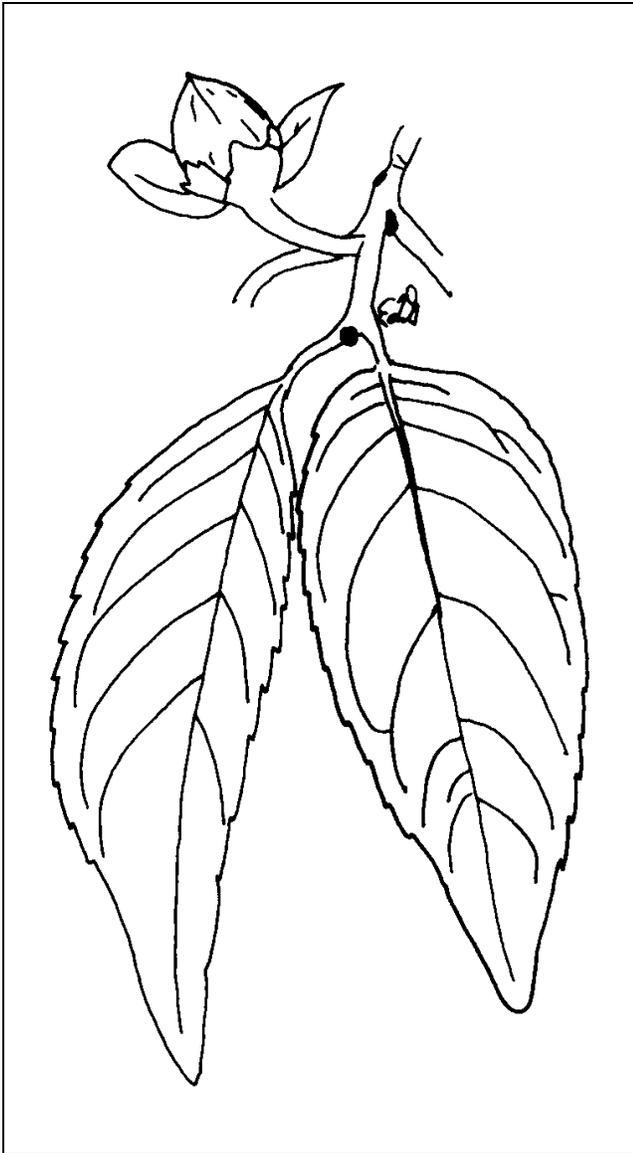


Figure 3. Foliage of Tall Stewartia.

### Culture

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

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

**Drought tolerance:** high

### Other

**Roots:** surface roots are usually not a problem

**Winter interest:** tree has winter interest due to  
unusual form, nice persistent fruits, showy winter  
trunk, or winter flowers

**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

### USE AND MANAGEMENT

This tree can be used in much the same way as Japanese Stewartia. It is unsurpassed as a specimen, but can also be included in a shrub border, planted near a patio or deck to show off the wonderful bark, or used as a multi-trunked street tree planted on 20-foot centers. Set it off as a specimen by placing it in a bed of low, evergreen ground cover.

Best when grown in partial shade in USDA hardiness zone 8b, Tall Stewartia can tolerate a full sun position if its roots can be shaded by ground cover, mulch or shrubbery. This may be the best *Stewartia* species for the Deep South. *Stewartia monadelphica* is a native species well-suited for the Deep South. Well-drained, acid to neutral soil is best.

Propagation is by seed or cuttings.

### Pests and Diseases

No pests or diseases of major concern, and this tree should be grown and planted more often.