



## *Lagerstroemia* x 'Natchez' 'Natchez' Crape-myrtle<sup>1</sup>

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### INTRODUCTION

A long period of striking summer flower color, attractive fall foliage, superior bark exfoliation, good disease and insect resistance and good drought-tolerance all combine to make this Crape-Myrtle a favorite small tree for either formal or informal landscapes (Fig. 1). It is highly recommended for planting in urban and suburban areas.

### GENERAL INFORMATION

**Scientific name:** *Lagerstroemia* x 'Natchez'

**Pronunciation:** lay-ger-STREE-mee-uh

**Common name(s):** 'Natchez' Crape-myrtle

**Family:** *Lythraceae*

**USDA hardiness zones:** 7 through 10A (Fig. 2)

**Origin:** not native to North America

**Uses:** container or above-ground planter; 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; trainable as a standard; shade tree; small parking lot islands (< 100 square feet in size); narrow tree lawns (3-4 feet wide); specimen; residential street tree; tree has been successfully grown in urban areas where air pollution, poor drainage, compacted soil, and/or drought are common

**Availability:** generally available in many areas within its hardiness range

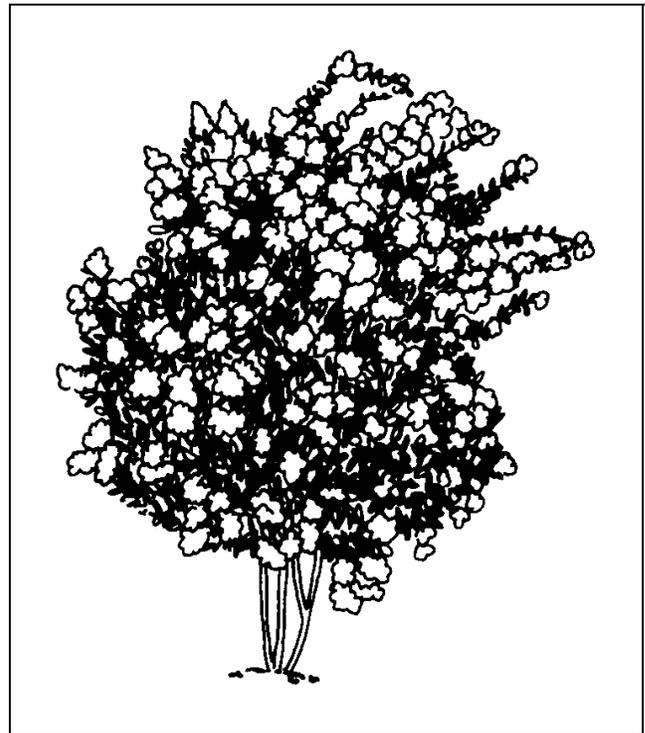


Figure 1. Young 'Natchez' Crape-myrtle.

### DESCRIPTION

**Height:** 25 to 30 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:** vase shape

**Crown density:** moderate

**Growth rate:** medium

**Texture:** medium

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Figure 2. Shaded area represents potential planting range.

### Foliage

**Leaf arrangement:** opposite/subopposite (Fig. 3)

**Leaf type:** simple

**Leaf margin:** entire

**Leaf shape:** elliptic (oval); oblong; obovate

**Leaf venation:** pinnate

**Leaf type and persistence:** deciduous

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

**Leaf color:** green

**Fall color:** orange; red

**Fall characteristic:** showy

### Flower

**Flower color:** white

**Flower characteristics:** spring flowering; summer flowering; very showy

### Fruit

**Fruit shape:** oval; round

**Fruit length:** < .5 inch

**Fruit covering:** dry or hard

**Fruit color:** brown

**Fruit characteristics:** does not attract wildlife; no significant litter problem; persistent on the tree; showy

### Trunk and Branches

**Trunk/bark/branches:** bark is thin and easily damaged from mechanical impact; droop as the tree grows, and will require pruning for vehicular or pedestrian clearance beneath the canopy; routinely grown with, or trainable to be grown with, multiple trunks; 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:** brown; green

**Current year twig thickness:** thin

### Culture

**Light requirement:** tree grows in full sun

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

**Drought tolerance:** high

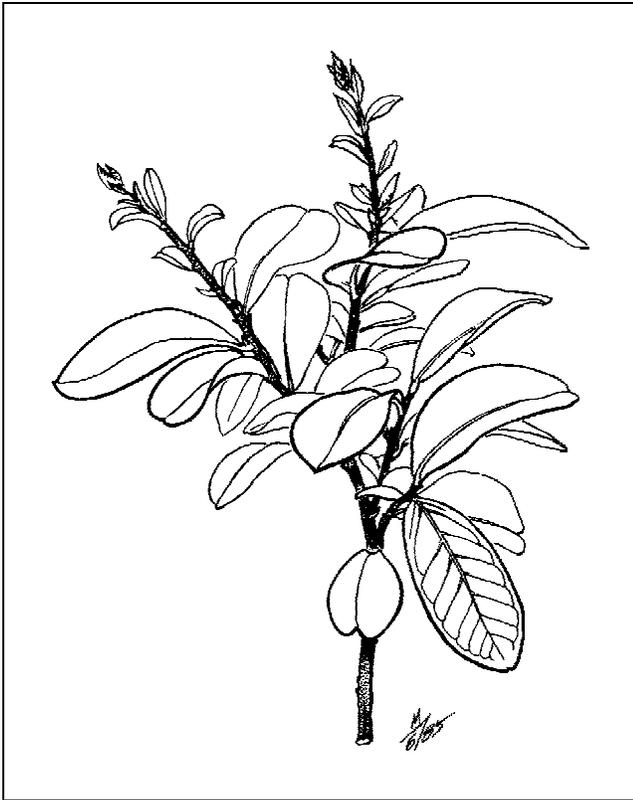


Figure 3. Foliage of 'Natchez' Crapemyrtle.

**Aerosol salt tolerance:** moderate

#### 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

**Verticillium wilt susceptibility:** not known to be susceptible

**Pest resistance:** no pests are normally seen on the tree

### USE AND MANAGEMENT

The 6- to 12-inch-long clustered white blooms appear on the tips of branches during late spring and summer in USDA hardiness zones 9 and 10 and summer in other areas. The individual flowers are ruffled and crinkly as to appear made of crepe paper. The smooth, cinnamon-brown to orange, peeling bark and multi-branched, open habit of Crape-Myrtle make it ideal for specimen planting where its bright red-orange to yellow-colored fall leaves add further interest. The tree form is upright-spreading, or vase-

shaped, the branches spreading out as they ascend. The tree grows to 30 feet tall with an upright, vase-shaped crown making this well suited for street tree planting. Lower branches droop and will need to be removed as the tree grows taller.

Pruning should be done in late winter or early in the spring before growth begins because it is easier to see which branches to prune. New growth can be pinched during the growing season to increase branchiness and flower number. Pruning methods vary from topping to cutting Crape-Myrtle nearly to the ground each spring to the removal of dead wood and old flower stalks only. Topping creates several long, thin branches from each cut which droop down under the weight of the flowers. This practice disfigures the nice trunk and branch structure. Lower branches are often thinned to show off the trunk form and color. Pruning is not needed for good growth. Remove the spent flower heads to encourage a second flush of flowers and to prevent formation of the brown fruits. Since cultivars are now available in a wide range of growth heights, severe pruning should not be necessary to control size. Severe pruning can stimulate basal sprouting which can become a constant nuisance, requiring regular removal. Some Crape-Myrtle trees sprout from the base of the trunk and roots even without severe heading, but 'Natchez' appears to be much less prone to this problem.

Crape-Myrtle grows best in full sun with rich, moist soil but will tolerate less hospitable positions in the landscape just as well, once it becomes established. It grows well in limited soil spaces in urban areas such as along boulevards, in parking lots, and in small pavement cutouts if provided with some irrigation. They tolerate clay and alkaline soil well. However, the flowers of some selections may stain car paint. 'Natchez' shows perhaps the best resistance to powdery mildew and crape myrtle aphids of any of the cultivars of crape myrtle. There are other new cultivars (many developed by the USDA) available which are resistant to powdery mildew and aphids.

Many other cultivars of Crape-Myrtle are available: hybrid 'Acoma', 14 to 16 feet tall, white flowers, purple-red fall foliage, mildew resistant; hybrid 'Biloxi', 25 feet tall, pale pink blooms, orange-red fall foliage, hardy and mildew resistant; 'Cherokee', 10 to 12 feet, bright red flowers; 'Powhatan', 14 to 20 feet, clear yellow fall foliage, medium purple flowers. The hybrid cultivars 'Muskogee', 24 feet tall, light lavender flowers, and 'Tuscarora', 16 feet tall, dark coral pink blooms, are

hybrids between *Lagerstroemia indica* and *Lagerstroemia fauriei* and have greater resistance to mildew. The cultivar 'Crape Myrtlettes' have the same color range as the species but only grow to three to four feet high. The National Arboretum releases are generally superior because they have been selected for their disease resistance. These releases may prove more resistant to powdery mildew in the Deep South, although further testing needs to be done to confirm this.

Propagation is by cuttings or seed.

### **Pests**

Mostly resistant to aphids.

### **Diseases**

Powdery mildew can severely affect Crape-Myrtle but 'Natchez' is highly resistant.