UF IFAS Extension UNIVERSITY of FLORIDA

Florida-Friendly Landscaping™ PROGRAM

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Lagerstroemia x 'Muskogee': 'Muskogee' Crapemyrtle[1]

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Introduction

A long period of striking summer flower color, attractive fall foliage, and good drought-tolerance all combine to make Crape-Myrtle a favorite small tree for either formal or informal landscapes. It is highly recommended for planting in urban and suburban areas.



Figure 1. Young *Lagerstroemia x* 'Muskogee': 'Muskogee' Crapemyrtle
Credit: Ed Gilman

General Information

Scientific name: *Lagerstroemia x*

Pronunciation: lay-ger-STREE-mee-uh

Common name(s): 'Muskogee' Crapemyrtle

Family: *Lythraceae*

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

Origin: not native to North America

Invasive potential: little invasive potential

Uses: urban tolerant; street without sidewalk; specimen; deck or patio; container or planter; trained as a standard; parking lot island < 100 sq ft; parking lot island 100-200 sq ft; parking lot island > 200 sq ft; tree lawn 3-4 feet wide; tree lawn 4-6 feet wide; tree lawn > 6 ft wide; highway median; shade

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

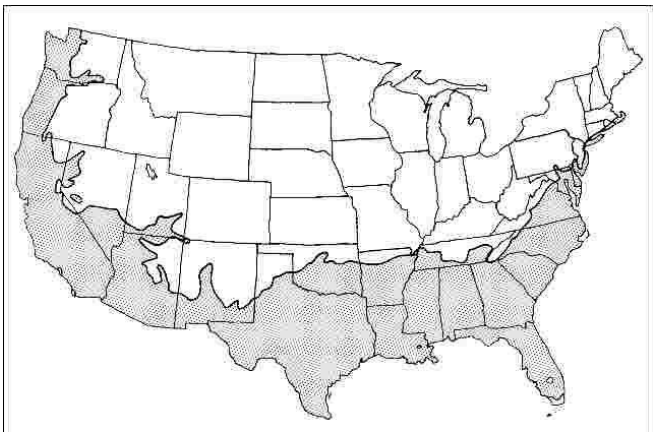

Figure 2. Range

Description

Height: 20 to 25 feet

Spread: 15 to 25 feet

Crown uniformity: symmetrical

Crown shape: vase

Crown density: moderate

Growth rate: moderate

Texture: medium

Foliage

Leaf arrangement: opposite/subopposite (Fig. 3)

Leaf type: simple

Leaf margin: entire

Leaf shape: oblong, elliptic (oval), obovate

Leaf venation: pinnate

Leaf type and persistence: deciduous

Leaf blade length: less than 2 inches, 2 to 4 inches

Leaf color: green

Fall color: orange, red

Fall characteristic: showy



Figure 3. Foliage

Flower

Flower color: lavender

Flower characteristics: very showy

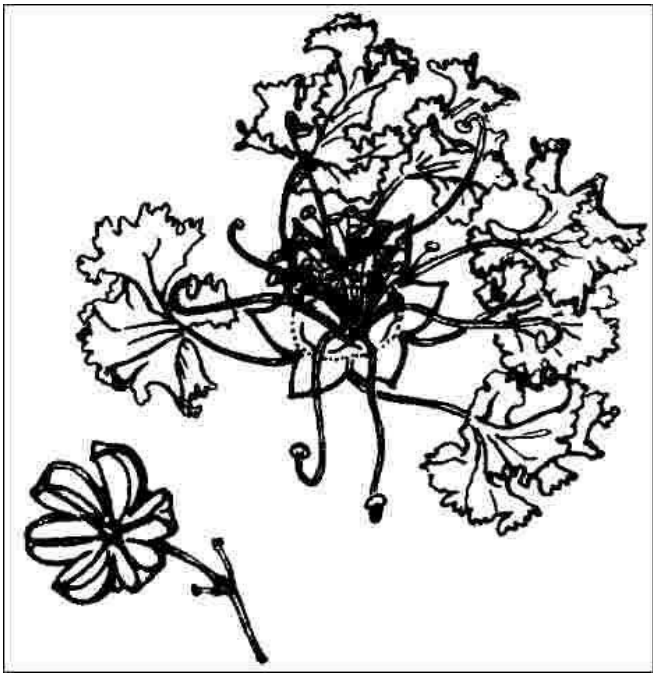

Figure 4. Flower

Fruit

Fruit shape: oval, round

Fruit length: less than .5 inch

Fruit covering: dry or hard

Fruit color: brown

Fruit characteristics: does not attract wildlife; showy; fruit/leaves not a litter problem

Trunk and Branches

Trunk/bark/branches: branches droop; showy; typically multi-trunked; thorns

Pruning requirement: little required

Breakage: resistant

Current year twig color: brown, green

Current year twig thickness: thin

Wood specific gravity: unknown

Culture

Light requirement: full sun

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

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: resistant to pests/diseases

Use and Management

The 6- to 12-inch-long clustered lavender or pink 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, peeling bark and multi-branched, open habit of Crape-Myrtle make it ideal for specimen planting where its bright red to orange-colored fall leaves add further interest. The tree forms an upright to upright-spreading crown, the branches spreading out as they ascend. The tree grows 20 to 25 feet tall and almost as wide with an upright, vase-shaped crown making it well-suited for street tree planting.

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. You can 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 trees sprout from the base of the trunk and roots even without severe heading. This can be a maintenance nuisance.

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 may stain car paint. Aphids are the main insect pest of Crape-Myrtle but `Muskogee' is resistant to powdery mildew. 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 `Natchez', 30 feet tall, pure white flowers, `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.

Propagation is by cuttings or seed.

Pests

Aphids often infest the new growth causing an unsightly but harmless sooty mold to grow on the foliage. Heavy aphid infestations cause a heavy black sooty mold which detracts from the tree's appearance.

Diseases

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

[1] *To learn more about creating and maintaining attractive landscapes that protect Florida's water and natural resources, visit ffl.ifas.ufl.edu/.*

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