



Styrax japonicus 'Emerald Pagoda' 'Emerald Pagoda' Japanese Snowbell¹

Edward F. Gilman and Dennis G. Watson²

INTRODUCTION

Japanese Snowbell is a small deciduous tree that slowly grows from 20 to 30 feet in height and has rounded canopy with a horizontal branching pattern (Fig. 1). With lower branches removed, it forms a more vase-shaped patio-sized shade tree. The smooth, attractive bark has orange-brown interlacing fissures adding winter interest to any landscape. The white, bell-shaped, drooping flower clusters of Japanese Snowbell are quite showy in May to June.

GENERAL INFORMATION

Scientific name: *Styrax japonicus* 'Emerald Pagoda'

Pronunciation: STY-racks juh-PAWN-ih-kuss

Common name(s): 'Emerald Pagoda' Japanese Snowbell

Family: *Styracaceae*

USDA hardiness zones: 5 through 8A (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; small parking lot islands (< 100 square feet in size); narrow tree lawns (3-4 feet wide); specimen; sidewalk cutout (tree pit); residential street tree

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

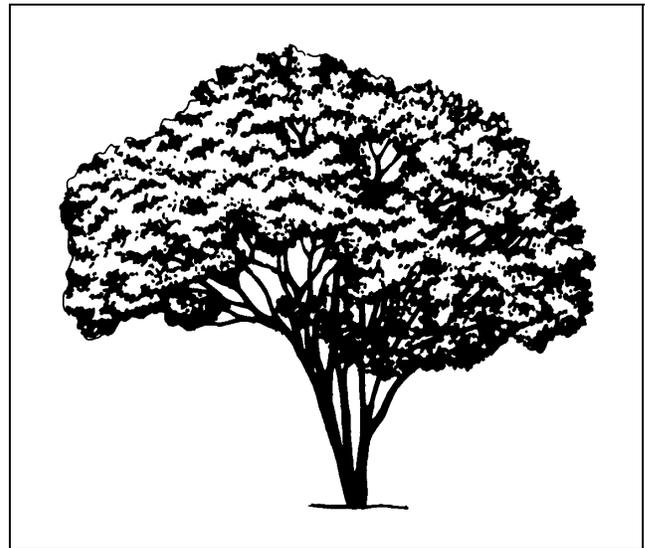


Figure 1. Middle-aged 'Emerald Pagoda' Japanese Snowbell.

DESCRIPTION

Height: 20 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: round; vase shape

Crown density: moderate

Growth rate: slow

Texture: medium

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2. Edward F. Gilman, associate professor, Environmental Horticulture Department; Dennis G. Watson, associate professor, Agricultural Engineering Department, Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida, Gainesville FL 32611.



Figure 2. Shaded area represents potential planting range.

Foliage

Leaf arrangement: alternate (Fig. 3)

Leaf type: simple

Leaf margin: entire; serrate; sinuate

Leaf shape: elliptic (oval); oblong

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; yellow

Fall characteristic: not showy

Flower

Flower color: pink

Flower characteristics: showy; spring flowering;
summer flowering

Fruit

Fruit shape: oval; round

Fruit length: .5 to 1 inch; < .5 inch

Fruit covering: fleshy

Fruit color: green

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

Trunk and Branches

Trunk/bark/branches: 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; showy
trunk; no thorns

Pruning requirement: needs little pruning to develop
a strong structure

Breakage: resistant

Current year twig color: green

Current year twig thickness: thin

Culture

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

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

Drought tolerance: moderate

Aerosol salt tolerance: moderate

Soil salt tolerance: poor

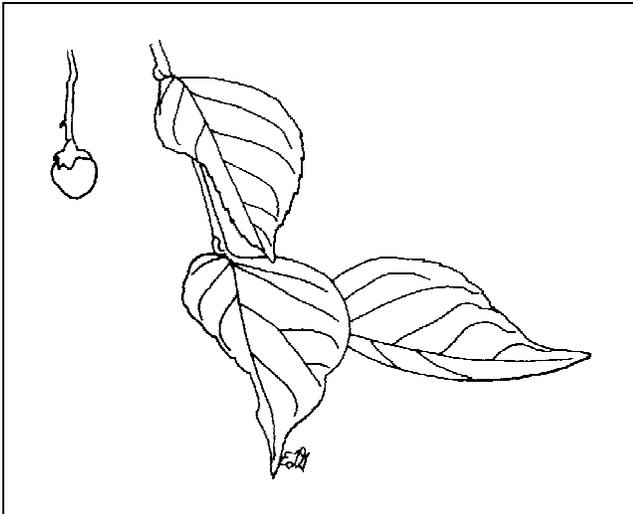


Figure 3. Foliage of 'Emerald Pagoda' Japanese Snowbell.

habit; 'Crystal' - upright to fastigate habit, black green foliage, crisp white flowers with purple pedicels (zone 5); 'Issai' - cold hardy to zone 6, grows faster than species and roots easily; 'Pink Chimes' - pink flowers, cold hardy to zone 6.

Propagate by softwood cuttings in summer. Seeds eventually germinate but exhibit a double dormancy.

Pests and Diseases

No pests or diseases of major concern. Ambrosia beetle can attack and lead to further decline of stressed plants.

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

Styrax species is an excellent small patio tree where the flowers and interesting bark can be viewed up close; however, the flowers attract tremendous numbers of bees and one should be cautious about approaching the plant at that time. Japanese Snowbell also makes a wonderful addition to the mixed shrubby border. Due to its small stature and vase-shape, it can make a nice street tree where overhead space is limited. The fruit is somewhat showy and may cause a small litter problem for a short time in the fall. Fall leaf color is unreliable.

Snowbell prefers a peaty, acid soil that is moist but not waterlogged. In colder areas (USDA hardiness zone 5), locate this tree in an area protected from winter winds. Plants grow better with a couple hours of shade in USDA hardiness zones 7 and 8 but full sun is fine in the North.

Cultivars include: 'Carillon' is hardy only to zone 6, grows about one-foot per year and has a weeping habit, can be staked to encourage weeping