**Ilex opaca** ‘Stewart’s Silver Crown’
‘Stewart’s Silver Crown’ American Holly

Edward F. Gilman and Dennis G. Watson

**INTRODUCTION**

A popular landscape plant since the beginning of American history, this broad-leafed evergreen has served a variety of uses through the years (Fig. 1). The American Indians used preserved Holly berries as decorative buttons and were much sought after by other tribes who bartered for them. The wood has been used for making canes, scroll work and furniture, and has even been substituted for ebony in inlay work when stained black.

**GENERAL INFORMATION**

*Scientific name:* *Ilex opaca* ‘Stewart’s Silver Crown’
*Pronunciation:* EYE-lecks oh-PAY-kuh
*Common name(s):* ‘Stewart’s Silver Crown’
American Holly
*Family:* Aquifoliaceae
*USDA hardiness zones:* 6 through 9 (Fig. 2)
*Origin:* native to North America
*Uses:* Bonsai; hedge; large parking lot islands (> 200 square feet in size); wide tree lawns (> 6 feet wide); recommended for buffer strips around parking lots or for median strip plantings in the highway; reclamation plant; screen; specimen; sidewalk cutout (tree pit); residential street tree; tree has been successfully grown in urban areas where air pollution, poor drainage, compacted soil, and/or drought are common
*Availability:* somewhat available, may have to go out of the region to find the tree

**DESCRIPTION**

*Height:* 15 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
*Crown density:* dense
*Growth rate:* slow
*Texture:* medium

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1. This document is adapted from Fact Sheet ST-307, a series of the Environmental Horticulture Department, Florida Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida. Publication date: November 1993.
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**Foliage**

Leaf arrangement: alternate (Fig. 3)  
Leaf type: simple  
Leaf margin: entire; pectinate; spiny  
Leaf shape: elliptic (oval); lanceolate  
Leaf venation: banchidodrome; pinnate  
Leaf type and persistence: broadleaf evergreen; evergreen  
Leaf blade length: 2 to 4 inches; less than 2 inches  
Leaf color: variegated  
Fall color: no fall color change  
Fall characteristic: not showy

**Flower**

Flower color: green; white  
Flower characteristics: pleasant fragrance; inconspicuous and not showy

**Fruit**

Fruit shape: round  
Fruit length: < .5 inch  
Fruit covering: fleshy  
Fruit color: red  
Fruit characteristics: attracts birds; 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; not particularly showy; should be grown with a single leader; 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  
Wood specific gravity: 0.61

**Culture**

Light requirement: tree grows in part shade/part sun; tree grows in the shade; tree grows in full sun  
Soil tolerances: clay; loam; sand; slightly alkaline; acidic; occasionally wet; well-drained  
Drought tolerance: high  
Aerosol salt tolerance: high

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Figure 2. Shaded area represents potential planting range.
Soil 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: not particularly outstanding
Invasive potential: little, if any, potential at this time
Verticillium wilt susceptibility: not known to be susceptible
Pest resistance: long-term health usually not affected by pests

USE AND MANAGEMENT

This cultivar of American Holly is a beautifully shaped tree, with a symmetrical, dense, wide pyramidal form. The spiny, dull green leaves are edged in white and are accented with clusters of red berries which persist throughout the fall and winter. Male and female flowers appear on separate trees and trees of both sexes must be located in the same neighborhood to ensure production of berries on the female plants. American Holly is ideal for use as a street tree (with lower branches removed), framing tree, specimen, barrier planting or screen. Roots are shallow and finely branched, and rarely invasive due to their great number and relatively small diameter. This native tree is ideal for naturalizing on moist, slightly acid soils, and the fruit is very attractive to wildlife, serving as an excellent food source. A 25-foot-tall tree can be about 20 feet wide in 40 or 50 years.

Growing well in full sun to partial shade, American Holly should be located on fertile, well-drained but moist, slightly acid soils below 6.5 pH. Berry production is highest in full sun on female trees. American Holly foliage thins during drought but insect and disease infestations are usually minimal.

See the species for other cultivars.

Propagation is by cuttings or grafting.

Pests

Holly leaf miner larvae mines out the leaf middle leaving yellow or brown trails.

Scales of various types may infest Holly.

Spider mites cause discoloration and speckling of Holly foliage.

Diseases

Tar spot may occasionally cause small yellow spots on the leaves in early summer. Eventually the spots turn reddish brown with narrow yellow borders. Leaves may not drop prematurely but the infected areas drop out leaving holes in the leaves. Gather up and destroy badly infected leaves.

Many different fungi cause leaf spots on Holly. Reduce the injury caused by leaf spots by keeping trees healthy. Dispose of diseased leaves.

Cankers caused by several different fungi lead to sunken areas on stems and plant dieback. Keep trees healthy and prune out infected branches.

Spine spot is small gray or yellow spots with purple margins and is caused by spines of one leaf puncturing an adjacent leaf.

Chlorosis symptoms are light green or yellowish leaves with darker green veins. This problem is often due to a high pH leading to iron deficiency. Use acidifying fertilizers and sulfur to bring down the pH. Sprays of iron chelate will green up plants.

In northern climates, Hollies sometimes scorch during the late winter due to rapid and wide
temperature fluctuations. Shade plants during the winter to prevent the problem.

Purple blotches on the leaves are caused by some environmental factor such as nutrient deficiencies, drought, and winter injury.

Black root rot can be damaging.