

1-19 *Ilex x wandoensis* 'Charlie's Karen Ann'

Female

Registered: January 11, 2019

James F. Resch for the Anderson Family

5 Heather Loft Court

Bear, Delaware 19701

The original selection was received as a small, unnamed rooted cutting from Professor Willard Witte of the University of Tennessee in the early 2000s, apparently from seed collected in Korea in 1985. The cutting has been grown in the collection of Charles R. Anderson in Owings Mills, Maryland since the early 2000s.

The original plant, located in Charles' collection, is an upright, pyramidal tree approximately 2.7 m (9 ft) tall and 1.5 m (5 ft) wide. The trunk is 9 cm (3.5 in) in diameter at the base. The plant displays a horizontal branching habit. On mature trees, annual growth of about 15 cm (6 in) on the leader and on the lateral branch tips is typical.

The leaf texture is coriaceous, while the leaves are generally flat in cross section with the tip slightly upturned. They are oval in shape, with the largest leaves up to 5.5 cm (2.2 in) long and 3.0 cm (1.2 in) wide. The bases are rounded to somewhat acute. In side view, margins are slightly concave towards the base, becoming flat towards the tip. In top view, margins are spinose with up to 2 (usually 1) spine per side, usually with one on either side of the apex. Apices are acute, with a tip spine of about 1 mm (1/32 in). Petioles are up to 10 mm (0.39 in) long. Upper leaf surfaces are yellow green in color, Yellow Green Group 147A on the Royal Hort Society Colour Chart of 2007.

The plant bears pistillate flowers on 2nd year growth, as is typical for *Ilex x wandoensis*. After flowering, the pistils of this selection enlarge to become globose drupes, which ripen in November to fruit of a bright orange red color, Orange Red Group 34 A on the Royal Hort Society Colour Chart of 2007. Fruits are rounded in side view and rounded to slightly angled in cross section, and measure 9 mm (0.35 in) long by 9 mm (0.35 in) wide, on peduncles which are 8 mm (5/16 in) long. Fruits are typically borne singly, and in abundance.

Long-term survival in Zone 6b/7a has been demonstrated, with a recorded low temperature of -24 degrees C (-12 degrees F) in January 1994 causing no damage.

Plants have been grown from rooted cuttings by William Kuhl of McLean Nurseries in Parkville, Maryland, and offered for sale over the past several years

'Charlie's Karen Ann' was selected based on its dense, pyramidal growth habit, heavy fruiting, and lack of *Ilex x wandoensis* cultivars in cultivation for American gardens. After conversations with Dr. Witte this selection was compared with other *I. x wandoensis* selections from his collection of Korean seed-derived plants. The leaves of 'Charlie's Karen Ann' are significantly smaller than those of *I. x wandoensis* cultivars, 'Jean's Jadette', and 'Harold Elmore'. In addition, the apices of 'Charlie's Karen Ann' are not reflexed as in 'Jean's Jadette' (i.e. leaves are flatter). The habit of 'Charlie's Karen Ann' is more compact and conical than that of 'Harold Elmore'.

Voucher specimens are on deposit in the herbarium of the U.S. National Arboretum (NA), Washington, D.C. 20002.