

FACT SHEET

'SX67' *Salix miyabeana*

'SX67' is a fast-growing shrub willow that produces high biomass yields across a variety of sites. It is disease and beetle resistant, and is well suited for biomass plantings and privacy hedges.





Botanical Name: *Salix miyabeana* 'SX67'
(Family: Salicaceae)

Hardiness: U.S.D.A. Zones 4 - 6

Origin: 'SX67' was obtained from the University of Toronto as part of a research project to develop new willow cultivars that generate high biomass yields on a variety of sites, display resistance to diseases and pests, and possess agronomic traits suitable for mechanical planting, harvesting, and post-harvest processing. *S. miyabeana* is tetraploid and native to Asia.

Significance: 'SX67' is a shrub willow cultivar displaying exceptionally rapid growth, annually produces 4-6 dry tons of woody biomass per acre in yield trials, and displays low incidence of rust disease or damage by beetle. Woody stems can be harvested every three to four years, and new shoots will re-sprout the following season. Repeated harvesting of shrub willow plantations can be sustained for at least 15 years.

Description:

Height and Width: 15-20 feet tall, 3-5 foot crown spread at 3 years when grown at 2 x 3 foot spacing.

Habit: Fast-growing, deciduous shrub with multiple small-diameter, vertical stems.

Foliage: Green oblong leaves, typically 3-3.5 inches long, 0.5-1 inches wide, with foliage April through October in Zone 5.

Bark: Three-year old stem is green with slightly cracking bark and red lenticels.

Flowers: Male, early spring.

Seeds: No seeds produced

Culture: Adaptable to a wide range of soil and moisture conditions. Prefers maximum sunlight.

Propagation: Roots easily from dormant stem cuttings.

Uses: Excellent for bioenergy plantations, privacy hedges, living snowfences and in ornamental plantings.

Availability: Available from Double A Willow (www.doubleawillow.com)

Originally published 2007 by SUNY-ESF

Kimberly D. Cameron¹, Lawrence Smart^{1*}, Benjamin Ballard², Timothy Volk³, and Lawrence Abrahamson³

¹Dept. of Horticultural Sciences, ²SUNY at Morrisville, NY 13408, ³SUNY College of Environmental Science & Forestry, Syracuse, NY 13210

*Contact: lbs33@cornell.edu, 315-787-2490

Funding provided by New York Farm Viability Institute to LB Smart.

This variety is licensed by the research foundation of SUNY exclusively to Double A Willow

