

‘Lanyang No. 2’, a New Variety of Cat-tail Willow ¹

Chi-Cheng Chen ²

Abstract

The Cat-tail willow clone HS940105 was selected from bud-mutative clones of Chinese Shanghai variety in 2010 by Hualien District Agricultural Research and Extension Station after clones observation and propagation trials, clones comparison trials, clone characteristic investigation and characteristic test. The clone HS940105 was registered as a new variety ‘Lanyang No. 2’ and awarded the plant variety right in November 7, 2011. The Flower buds of Lanyang No. 2 were spindle-shaped, pointed tip, and off-axis with the branches. The average of flower buds width is 0.91 cm wider than Chinese Shanghai variety 0.63 cm, and there were significant difference. The inflorescence of Lanyang No. 2 was bifurcation, expand into a claw. The bud-scales color was red, and the average a/b value was 1.75. The flower bud number after harvest of Lanyang No. 2 was 33.0 and Chinese Shanghai was 35.7, as counted from the top one meter branch, there was no significant difference.

Key words: Cat-tail willow, clone, variety, selection.

1. Research article No.235 of Hualien District Agricultural Research and Extension Station.

2. Associate researcher, Division of Lan-Yang Branch Station, Hualien DARES.