

Development of Edible Daylily cv. Taitung 7

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Abstract

Edible daylily variety ‘Taitung 7’ was named and released by Taitung District Agricultural Research and Extension Station in June, 2012. It was a superior progeny selected from a hybridization. The following breeding procedures included clone propagation, primary and advanced superior lines comparison trials, domestic adaptation trials, and characteristics identification trials, etc. The flower color of this variety is yellow-orange, with fragrant smell. The plants have re-bloom habit: the first blossom is from April to May and the secondary blossom is from June to July. The yield of first blossom of ‘Taitung 7’ was comparable with the old variety ‘Taitung 6’. However, the total yield of ‘Taitung 7’ is about 1.25 times higher than ‘Taitung 6’ and three times higher than local varieties. When cultivated below altitude 200 meters, ‘Taitung 7’ could have higher yield than that cultivated in higher elevation. The scape of this variety is thick, and the height is about 90 cm that is convenient for harvesting. The daylily rust disease resistance of this variety is medium. After cooked, both fresh and dry flower buds did not turn to black and taste good, which made this variety a better choice for aking sulfur-free dry daylily products.

Key words : Edible daylily, New variety, Yellow-orange flowers, High yield, Sulfur-free product

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