

Breeding of Daylily ‘Hualien No.7–Richness’¹

Chieh-Ju Wu² Chih-Jung Chang³ Yueh-Shiah Tsay⁴
Hsueh-Shih Lin⁵ Yu-Che Yeh⁶ Yi-Chen Tsai⁷

Abstract

In the development of a new daylily cultivar with both ornamental and edible value, the hybrid breeding method was employed. Superior individual plants were selected and propagated as clones. These high-performing clones underwent evaluation for distinctness, uniformity, and stability. In 2023, 'Hualien No. 7 - Richness' became the first daylily cultivar in Taiwan to possess both ornamental and edible. The cultivar exhibits vigorous growth, an extended flowering period, numerous branches per flower stalk, and a high number of buds per stalk. The buds are longer, and the flowers are star-shaped with single petals. Both the petals and the flower center are yellow. The cultivar also shows the potential for secondary flowering spikes and demonstrates enhanced resistance to rust and leaf spot diseases compared to commonly available edible daylily varieties. Additionally, its flower buds exhibit higher sweetness and rutin content, making it suitable for consumption as a fresh vegetable or for processing into dried products from dried buds.

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1. Research Article No.316 of Hualien District Agricultural Research and Extension Station.
 2. Assistant researcher, Crop Improvement Section, Hualien DARES.
 3. Specialist, Central Regional Branch, Agriculture and Food Agency.
 4. Retired Assistant Specialist, Crop Improvement Section, Hualien DARES.
 5. Retired Director General, Taiwan Agricultural Research Institute.
 6. Researcher and Secretary, Hualien DARES.
 7. Associate Researcher and Section Chief, Crop Environment Section, Hualien DARES.