

A new bitter melon cultivar ‘Hualien No. 7’¹

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Abstract

The breeding purpose of new variety is to use the crossbreeding method to breed high-yield, small-medium sized, white bitter melon with high market value, and suitable for small families. The bitter melon ‘Hualien No. 7’ is a new F1 hybrid cultivar. This novel cultivar shows traits of high growth vigor, early female flowering, high yield and good quality. The parents were domesticated from the Hualien area in 1998 and 2001, respectively. A superior hybrid line, WB758, with characteristics of breeding objectives has been selected in 2009 after the combining ability test of F1 hybrids, the comparative yield test, characteristics investigation and characteristics test. WB758 was approved with the plant breeders’ rights (PBR) as a new cultivar named ‘Hualien No. 7’ on Apr. 3 in 2019. The features of ‘Hualien No. 7’ include monoecious vine with more branches and the pistillate flower blooming from the 30th node of the main vine. The flowering period lasts for about 37 d in both planting in spring and summer. The fruits of ‘Hualien No. 7’ are oblong in shape, 237 g in weight, white in skin with both pearl and slotted papilla.

Keywords: bitter melon, breeding, F1 hybrids

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