

A Newly Released Tomato Variety - Hualien Asveg 18¹

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Summary

A new fresh tomato line FMTT957 was developed in 1999 by Asian Vegetable Research and Development Center (AVRDC) after preliminary and advanced yield trials, disease evaluations and seed production tests. FMTT957 was introduced to Hualien District Agricultural Research and Extension Station in 2003 for regional yield trials and fertilizer trials, and was registered in January 18, 2006 as a new variety 'Hualien Asveg 18'. 'Hualien Asveg 18' is a single cross F₁ hybrid, with indeterminate growth habit. Fruits are round and slight fruit cracking with an average weight of 142 g. The soluble solid content of fruits is about 5.5 °Brix, and shoulder color of immature fruits is dark green. The fruit turns into red at maturity. The new variety is resistance to tomato leaf curl virus (with *Ty-2* gene), tomato mosaic virus strain O, OY, 1 and 2, and bacterial wilt race 1. The yield of Hualien Asveg 18 is 36.4 MT/ha. It is suitable for planting in spring and late summer seasons.

Key words: tomato, variety, breeding, tomato leaf curl virus (ToLCV)

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