

## **Breeding of New Cherry Tomato Variety - Hualien Asveg 14<sup>1</sup>**

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### **Summary**

The new fresh cherry tomato line CHT1201 was developed in 1999 by the Asian Vegetable Research and Development Center (AVRDC) after preliminary and advanced yield trials, disease evaluations and seed production tests. CHT1201 was introduced to Hualien District Agricultural Research and Extension Station in 2001 for regional yield trials, fertilizer trials and plant density trial, and was registered in December 29, 2004 as a new variety 'Hualien Asveg 14'. The Hualien Asveg 14 is a single cross F<sub>1</sub> hybrid. It is a variety of indeterminate growth habit. Fruits are oval-shaped, orange yellow at maturity, have an average weight of 13.2 g, with high  $\beta$ -carotene content (2.66 mg/100g fruits), the soluble solids content about 6.5 – 7.2 °Brix, good taste, firm , and slight fruit cracking. The new variety also possessed resistance to bacterial wilt and tomato mosaic virus. It is suitable for planting in spring, autumn, and winter. The yield in spring crop of Hualien Asveg 14 was 26.2 MT/ha; the yield in autumn crop was 54.8 MT/ha.

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