

## **Development of a New Wax Gourd (*Benincasa hispida* Cogn.) Cultivar 'Hualien No.1' (Chi-fon)<sup>1</sup>**

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### **Summary**

A new wax gourd cultivar 'Hualien No. 1' was released by the Hualien District Agricultural Improvement Station in 1998. The commercial name is called 'Chi-fon'. Hualien No.1 is a small-fruit type of wax gourd. The leaves are dark-green with a deep-zigzag margin. The color of young fruits is light green, but it changed into white with wax powder after maturation. The weight of a fruit ranging from 3 to 6 kg, and the length ranging from 35 to 50 cm. This variety is highly resistant to many virus diseases such as Zucchini yellow mosaic potyvirus (ZYMV), Cucumber mosaic cucumovirus (CMV), Papaya ringspot potyvirus-W type (PRV-W), and Melon vein-banding mosaic potyvirus (MVbMV). It is insensitive to the day-length. Flowering and fruiting are normally performed under long-day conditions. The average yields are 72.8 and 31.4 metric tons per hectare, respectively, in spring and summer crops.

(Key words: *Benincasa hispida* Cogn., Breeding, Virus resistance, Wax gourd )

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