

Development of a New Mango Variety 'Kaohsiung No. 3'

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Abstract

Precocious, resistant to major pests, stable yield, medium-sized high quality fruits without physiological disorders, long shelf life and shipping are the main targets for the mango breeding program in our station. This project selected promising chance seedlings from a mango production area and grafted on mango trees beginning from 1984. Two lines, namely KMS-8302 and KMS-8310, were selected after 6 years' comparison with 'Irwin', a major cultivar in Taiwan serving as a control plant, in 1990. KMS-8302 was then selected for multi-location trials in Kaohsiung County from 2004 to 2007. According to the results of location trials, name registration and breeder's right of KMS-8302 was applied in 2008. The fruit of KMS-8302 are medium sized, average fruit weight between 400-500 grams, bearing the popular odor of 'Tsar-swain', deep orange colored flesh, total soluble solid content around 12-15 °Brix and flesh ratio between 75-80%. 'Kaohsiung No. 3' has completed its breeder's right with commercial name as Shia Sheue in 2008 .

Key word:mango, cultivar, selection

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