

The Release of Kaohsiung 5 Indian Jujube Cultivar

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Abstract

The objective of this breeding program is aimed to release high quality Indian jujube varieties with early or late maturing characteristics for extension and hence to increase the farmers' income. Open-pollinated seedling selection has been used in this program since 1998. The seedlings from open-pollinated Indian jujube hybrid seeds were planted to select superior lines with high quality and longer shelf life characteristics. The super lines selected in 2001 and further selected in 2002 were then tested by line test for 2 years during 2003-2004. Selected lines including KIS-87074 were then further evaluated by the regional yield trials in 2005. Base on this breeding procedure, the line of KIS-87074 with late production, large size, lower acidity, juicy, high yield, and high fruit taste quality at the late production season has been selected, registered, and released as a new Indian jujube variety – Kaohsiung 5 with the commercial name of Green Honey in October, 2007.

Key words: Indian jujube, Cultivar, Breeding by selection

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