

Development of the New Rice Variety Kaohsiung 147

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Abstract

The purpose of this study is to improve the rice quality, grain yield and other stress resistant for present high quality rice varieties. Some of consumers favor the aromatic rice. A new japonica rice variety, Kaohsiung 147, developed by the Kaohsiung District Agricultural Research and Extension Station(KDARES), COA, was formally registered in 2010. It was selected from the cross-combination between Kaohsiung 145 and Tainung 74 in the second crop of 2005. After a series of yield trials, including the regional yield trial conducted throughout the whole island, the experimental results showed that this variety is characterized as excellent quality, good appearance of white rice, higher yield, lodging and Brown planthopper resistance. It takes about 128 days in first crop and 115 days in second crop in Pingtung area. This variety was finally named in the first crop of 2004. Kaohsiung 147 is the first aromatic variety released by KDARES. We recommend growing this variety for double rice crop area. New Variety Kaohsiung 147 will be expected to promote the rice quality in Taiwan.

Key words : Variety, Japonica rice, Aromatic rice, Rice quality

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