

Development of the New Rice Variety Taiken 16¹

Chau-Yunn Lee² Wei-Ting Liu³ Chung-Hsiao Ting⁴ Ming-Chin Cheng⁵ Cheng-Chung Chen⁶ Tong-Hia Tseng⁶ Dah-Jiang Liu⁷

Summary

The new rice variety Taiken No.16 has developed and released by Hualien DAIS in 1996. The variety was derived by pedigree select from a cross between Taiken No.2//Tainung No.67/Pegonil made by Taiwan Agricultural Research Institute at 2nd crop in 1987. The line with the breeding name of "Taikeng yu 25003". Experimental results indicated that the new variety possesses the characters of resistance to rice leaf blast and panicle blast, resistance to brown planthopper, moderate resistance to small brown planthopper and white-backed planthopper, medium N-fertilizer response, and suitable shattering. Grain yield averaged 7,014 kg/ha in the 1st crop and 5,090 kg/ha in the 2nd crop during the regional yield trials from 1994 to 1995. However, it increases 5% in the 1st crop and 0.5% in the 2nd crop of grain yield over the check variety Tainung 67. The palatability of cooked rice of the new variety showed similar quality as the recommended high-quality rice variety Taichung No. 189 and Taikeng 9. The variety is adapted Pintung, Chiayi, Ilan and Hualien areas.

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¹. Research article No.139 of the Hualien District Agricultural Improvement station.

². Associate Agronomist, Division of Crop Improvement, Hualien DAIS.

³. Assistant Agronomist, Division of Crop Improvement, Hualien DAIS.

⁴. Research Fellow and Secretary of Hualien DAIS.

⁵. Associate Agronomist and Chief, Division of Crop Environment, Hualien DAIS.

⁶. Assistant agronomist, Taiwan Agricultural Research Institute.

⁷. Vice Director, Taiwan Agricultural Research Institute.