Tainung rice No.75: a New Japonica Type Rice Variety

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Abstract


A new japonica type rice variety, Tainung No.75, was registered in the second crop season of 2006. The variety, possessing the merits of both parents, has good eating quality and is resistant to multiple pests including rice blast, brown planthopper, white backed planthopper and small brown planthopper. The female parent TKM, a mutated progeny of rice Tainung No.67 induced by mutagen sodium azide, has a wide range of resistance to rice blast, brown planthopper type I, II, and III, white backed planthopper, and small brown planthopper. The male parent Taikeng No.2 has excellent eating quality. The new rice variety was developed after 10-year selection and evaluation. There was no significance difference between rice Tainung No.75 and rice Tainung No.67 (variety for yield check) in grain yield, and no significant difference between Tainung No.75 and Taikeng No.9 (variety for panel check) in panel test. There was no obvious change in eating quality when the grain was stored at room temperature for 3 months. The variety is suitable for organic cultivation due to its traits strong resistance to multi-major pests.

Key words: Rice, Sodium azide, Mutant, Taikeng No.2, Tainung No.75.

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