

Effect of nitrogen application on yield and quality of rice with different ratoon treatments.¹

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summary

To investigate the optimum cultivation of ratooning rice, two levels of nitrogen, two methods of nitrogen application and three sprouting treatments were studied on the second crop of 1990 and 1991 in I-Lan area. Results indicated that the application of nitrogen by 140kg/ha had better yields (increase 12.8 16.1%) and rice quality than nitrogen application at the level of 100 kg/ha.

High level of nitrogen application (40% of the total amount) at the early stage (2 days after ratoon treatment) had better yield and rice quality than low level (25% of the total amount) nitrogen application.

Ratoon cutting at the date 6-9 days after first crop been harvested results in 9.9 16.6% of higher yield and rice quality than noncutting or spraying herbicide at the same period.

(Key words: Nitrogen application, Ratoon rice, Yield, Quality)

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