

Research Article

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Effect of nitrogen management using leaf colour chart (LCC) on growth, yield attributes and yield in transplanted rice (*Oryza sativa* L.)

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Summary

A field experiment on rice (cv. GURJARI) was conducted during 2013-14 to 2015-16. The study was conducted by Krishi Vigyan Kendra, Kheda to compare the farmer's practices of application of N fertilizer with N fertilizer application as per leaf colour chart. The N fertilizer application as leaf colour chart recorded superior in growth and yield attributes as compared to farmer's practices. The grain yield was recorded 47.7 q/ha and net income and B:C ration recorded Rs. 25950 /ha and 1:1.69 on pooled basis in N application as per LCC. The N save over farmer practices was recorded 48.8 per cent.

Key words : Leaf colour chart, Rice, Nitrogen management, Yield, Economics

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