

EFFECT OF FERTILIZER LEVELS ON RELAY CROPS IN RICE

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Abstract: The effect of varying fertilizer level on relay crops in rice experiment was conducted at Instructional cum research Farm of Assam Agricultural University, Jorhat, during the *kharif* and *rabi* season of 2001-02. The grain and stover yield, rice equivalent yield are significantly affected by the different treatments combination. The highest value recorded at 125 per cent recommended levels of fertilizer. Total N, P and K uptake differed significant due to different treatment. The highest value recorded at 125 per cent recommended levels of fertilizer.

Keywords: Relay crops, Rice equivalent, Stover yield

REFERENCE

Ahlawat, R. P. S., D. R. and Ladola, K. D. (1986). Relay cropping in groundnut. *Indian journal of Agronomy* **31** (3): 289-292

Das, N. R. and Bhanja. (1996). Effect of sowing condition on yield of paira crops grown after rainy season rice. *Indian journal Agronomy* **41**(2):334-335

Dutta, S. C. (1993). Integrated nitrogen management in rice based relay cropping system. M.Sc (agri).

Thesis submitted to Assam Agricultural University, Jorhat, Assam.

Kalita, J. (1999). Effect of fertilizer and sowing density on rice-linseed relay cropping. M.Sc (Agri). Thesis, submitted to Assam Agricultural University, Jorhat, Assam.

Patil, A. M., Sengupta, K., Mandal, B. K., Pramanik, M. and Chatterjee, B. N. (1991). Pea lentil and linseed better substitute to khesari. *Indian farming* **40**(2):16-17.