

Research Note

Integrated nutrient management in Bajra

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Summary

A field experiment was conducted at Agricultural Research Station, Bhachau in 2001-02, 2003-04, and 2005-06 on sandy loam soils of Kachchh. In this experiment eight treatment combinations comprising of organic and inorganic fertilizers were compared *i.e.* (T₁) : FYM 15 t/ha, (T₂) : FYM 7.5t/ha + 40 kg N/ha, (T₃) : castor cake 2 t/ha, (T₄) : castor cake 2 t/ha+ 40 kg N/ha, (T₅) : FYM 7.5 t/ha + castor cake 2 t/ha, (T₆) : seed treatment with *Azotobacter* + 60 kg N/ha, (T₇) : gypsum 5 t/ha + 80 kg N/ha and (T₈) : 80 kg N/ha alone. Pooled data of three years showed that seed treatment with *Azotobacter* + 60 kg N/ha recorded significantly higher seed yield (1513.9 kg/ha), straw yield (2875.0 kg/ha) and net return (Rs 8345.44/ha) of bajra over all the treatment combinations.

Key words : *Azotobacter*, Bajra, Caster cake, FYM, Gypsum, Nitrogen

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