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## Research Paper

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# Effect of organic and inorganic fertilizer on macronutrients content and uptake of wheat crop under rice- wheat cropping system

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**ABSTRACT :** The field experiment was conducted in 2004-2005 at the Research Farm of IGAU, Raipur (C.G.) in an on going AICRP on LTFE since 1999, laid out in RBD with ten treatments comprised of 50,100 and 150 per cent of recommended levels of N, P, K and organic sources FYM @ 10t ha<sup>-1</sup>, green manure (sunhemp *in situ*), blue green algae @ 10 kg ha<sup>-1</sup> and ZnSO<sub>4</sub> @ 10 kg ha<sup>-1</sup> were applied in *Kharif* season only. The results showed that the total uptake of nitrogen and phosphorus in treatment T<sub>8</sub> (100%NPK+FYM) and potassium and sulphur was recorded with treatment applied 150 per cent NPK (T<sub>4</sub>) of recommended NPK fertilizers.

**Key Words :** Organic and inorganic fertilizer, Macronutrient uptake

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