

INTEGRATED NUTRIENT MANAGEMENT IN HYBRID MAIZE (*ZEA MAYS*)

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Abstract: A field experiment was conducted to evaluate the effect of Integrated Nutrient Management in Hybrid Maize (NK 6240). Field experiment was conducted during kharif season with thirteen different treatments which were replicated thrice in Randomized Block Design (RBD). The influence of Beema green granules, Uphaar as organic foliar spray, Tracel as inorganic foliar spray on the growth, yield, nutrient uptake, and availability of nutrients in soil was observed. The application of RDF + Beema green granules (25 kg ha⁻¹) soil application + Uphaar (250gm ha⁻¹) and Tracel (3.75kg ha⁻¹) foliar spray has shown an increase in plant height (292.16 cm), dry matter production (16505 kg ha⁻¹), cob length (25.25 cm), cob diameter (6.25 cm), grain numbers cob⁻¹ (448), grain yield (6260.50 kg ha⁻¹) and stover yield (8840 kg ha⁻¹). Uptake of nutrients viz., Nitrogen, Phosphorus and Potassium was found maximum while the available status of NPK was minimum under the above treatment.

Keywords: Maize, Yield, Organic and inorganic nutrient, Foliar spray

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