

Effect of organic and inorganic nutrient sources on yield and uptake of major nutrients in soybean

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ABSTRACT : Field experiment was conducted to study the effect of different organic sources of nitrogen with inorganic fertilizers on crop yield, yield attributes and uptake of major plant nutrients in soya bean-maize cropping system. Highest soybean yield of 12.9 q/t was obtained with the application of 75% of recommended dose of nitrogen along with 100% recommended dose of P&K through inorganic fertilizers+25% recommended dose of nitrogen through vermicompost and lowest values of all the parameters were obtained from control treatment . Uptake of N, P&K increased with treatments that received integrated use of organic manures in combination with recommended dose of nutrients.

Key Words : *Glycine max* L. Merrill, organic and inorganic fertilizers, yield, nutrient uptake.