

## EFFECT OF THE NUTRIENT ON YIELD AND YIELD ATTRIBUTING CHARACTERS IN MAIZE CROP

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**Abstract:** The field experiment on maize crop was conducted at research farm of C.S.A. University Of Agriculture & Technology Kanpur, during Kharif season 2015-16 and 2016-17. The doses of experiment were Control, 100% NPK, 100% NPK+ S40, 100% NPK + Zn5, 100% NPK+S40 +Zn5, 125% NPK, 125% NPK + S40, 125% NPK + Zn5, 125% NPK + S40 + Zn5 and 150% NPK. The results showed that the grain yield of maize first year (2015) varied from 14.33 to 30.78 q ha<sup>-1</sup> and in second year (2016) varied from 14.85 to 32.80 q ha<sup>-1</sup> and the straw yield of maize first year (2015) varied from 38.91 to 81.10 q ha<sup>-1</sup> and in second year (2016) varied from 39.48 to 82.13 q ha<sup>-1</sup>. It was noted the number of plant in maize varied from 109.75 to 112.25 plot<sup>-1</sup> and 109.60 to 112.00 plot<sup>-1</sup>, Plant height (cm) from 175.25 to 213.75 plant<sup>-1</sup> and 178.75 to 219.48 plant<sup>-1</sup>, Number of cob from 1 to 1.48 and 1.10 to 1.45 plant<sup>-1</sup>, length of cob from 13.40 to 22.45 and 14.60 to 23.49 cm plant<sup>-1</sup>, Test weight from 20.28 g to 32.37 g 100 grain<sup>-1</sup> and 20.87 g to 33.01 g100 grain<sup>-1</sup> in first and second years, respectively.

**Keywords:** Maize, Nutrient, Crop, Production

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