

INTERACTION EFFECTS OF DIFFERENT DOSES OF SULPHUR AND ZINC WITH NPK ON PHYSICO – CHEMICAL PROPERTIES OF SOIL IN YELLOW MUSTARD (*BRASSICA COMPESTRIS* L.) CV. KRISHNA SUPER GOLDI

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ABSTRACT

The experiment was carried out at Soil Science research farm SHIATS, Allahabad during rabi season 2014-15. The experiment was laid out in 3×3 factorial randomized block design with three replications, consisting of nine treatments. Treatment T₉ (@ 45 kg Sulphur ha⁻¹ + 5.5 kg Zinc ha⁻¹) was to be best in pH, EC, O.C, available nitrogen (kg ha⁻¹), phosphorus (kg ha⁻¹), potassium (kg ha⁻¹), sulphur (kg ha⁻¹) and zinc (kg ha⁻¹) which were as 6.96, 0.24, 0.69 380.24, 27.46, 270.72, 28.50, 2.94 respectively. Soil chemical properties as available Nitrogen and Potassium were found to be significant but pH, EC, O C. available Phosphorus, Sulphur and Zinc were found to be non significant. Soil physical properties as particle density (Mg m⁻³) and pore space (%) were found to be significant where as bulk density (Mg m⁻³) was found to be non significant.

KEYWORDS: Sulphur, Zinc, NPK, Soil Physico-Chemical Properties, Yellow Mustard

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