## Effect of different levels of phosphorus and sulphur on growth and yield of sunflower (*Helianthus annuus* L.)

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**ABSTRACT :** A field experiment was conducted during the *Zaid* season 2015 at the Crop Research Farm, Department of Agronomy, SHIATS, Allahabad (U.P.) on the effect of different levels of phosphorus and sulphur on growth, yield and oil content of sunflower (*Helianthus annuus* L.) in Randomized Block Design with twelve treatment combinations and three replications. The results revealed that highest plant height (117.93 cm), leaf area (91.07 dm<sup>2</sup>), leaf area index (6.75) and Crop Growth Rate (14.27 g/m<sup>2</sup>/day). Yield and yield attributes *viz.*, seed yield (2248.33 kg/ha), stover yield (3048.00 kg/ha), harvest index (42.45%) and seed index (4.98 g) were recorded highest in treatment T<sub>6</sub> (60 kg phosphorus/ha + 40 kg sulphur/ha).

Key Words : Sunflower (*Helianthus annuus* L.), phosphorus, sulphur, crop growth rate, yield, seed yield, stover yield, harvest index, seed index.