

## EFFECT OF SULPHUR AND BORON ON GROWTH, YIELD AND ECONOMICS OF SOYBAEN (*GLYSINE MAXL.*)

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**Abstract:** An experiment was conducted at Indira Gandhi Krishi Viswavidyalaya, Krishak Nagar Raipur (Chhattisgarh) during *khari* season 2015 in vertisol with objective to determine the effect of sulphur and boron application on yield and economics of soybean. The experiment was laid out in a RCBD with 16 treatments comprised four levels of sulphur *viz* 0, 15, 30 and 45 kg ha<sup>-1</sup> and four levels of boron *viz* 0, 0.5, 1.0 and 1.5 kg ha<sup>-1</sup>. Result revealed that yield of soybean was significantly influenced by different sulphur levels and maximum yield (20.04 kg ha<sup>-1</sup> Seed yield and 22.55 kg ha<sup>-1</sup> stover yield) was observed with 30 kg sulphur per hectare. Among boron levels, 1.0 kg boron per hectare was superior to others for getting maximum soybean yield (18.82 Seed yield and 21.05 kg ha<sup>-1</sup> stover yield). Interaction of sulphur and boron levels had no significant different parameters under study Gross return (68388 `ha<sup>-1</sup>) and net return (42286 `ha<sup>-1</sup>) was significantly higher with the application of T<sub>11</sub> (S<sub>30</sub>B<sub>1.0</sub>). Statistically highest Benefit cost ratio (2.64) was observed also with T<sub>11</sub> (S<sub>30</sub>B<sub>1.0</sub>).

**Keywords:** Boron, Economics, Soybean, Sulphur, Yield

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