

Effect of Foliar Application of Growth Regulators and Nutrients on Growth and Yield in Soybean (*Glycine max* L)

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ABSTRACT

An experiment was conducted in FRBD (Factorial Randomised Block DE sign) to know the effect of growth regulators and nutrients on growth and yield in soybean at Agricultural College farm, Bapatla during rabi 2005-06 . The result revealed that maximum plant height (46.74 cm), no.of leaves per plant (14.6), no.of nodes per plant (9.01), no.of branches per plant (9.41), stem dry weight (6.63 g), leaf dry weight (5.37), pod dry weight (19.37g) total dry weight (25.65 g), leaf area per plant (783.73 cm²), net assimilation rate, relative growth rate (90.00 mg g⁻¹ d⁻¹) and seed yield (24.72 q ha⁻¹) has resulted with Triacantanol @ 1mL L⁻¹ followed by SA @ 50 ppm and NAA @ 10 ppm .

Key words : Growth regulators and nutrients, Growth, yield, Soybean.