

# **Effect of Different Growth Regulating Compounds on Biochemical and Quality Parameters in Greengram**

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## **ABSTRACT**

A field experiment was conducted to study the Effect of different growth regulating compounds on biochemical and quality parameters in greengram during *rabi* 2009-10. Among the growth regulators, growth promoting substance NAA (20 ppm) recorded significantly higher values for biochemical parameters, photosynthetic rate where as relative chlorophyll content (SCMR) values were highest in chlormequat chloride 50% SL 375.0 g a.i ha<sup>-1</sup>, mepiquat chloride 5% AS (5%) and NAA (20ppm) during reproductive stage. Among the quality parameters highest seed protein content (%) and highest nitrogen harvest index values were recorded with growth retarding substance chlormequat chloride (187.5 g a.i ha<sup>-1</sup>) in greengram.

**Key words :** Biochemical parameters, Greengram, Plant growth regulators, Quality parameters.