

Effect of Growth Regulators and Nutrients on Physiological and Biochemical Parameters in Blackgram

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ABSTRACT

An experiment was conducted during rabbi 2005-06 to know the effect of growth regulators and nutrients i.e. GA₃, NAA, KNO₃, Urea, SA, and Triacantanol on physiological and biochemical parameters of blackgram at Agricultural college Farm, Bapatla. The variety used for this study was LBG-623. Treatment KNO₃ @ 1 % significantly increased the total dry matter production, leaf area, leaf are index, AGR, CGR, RGR and NAR values. Biochemical parameters such as total chlorophyll content, NR activity and protein content were recorded maximum with KNO₃ @ 1 % treatment.

Key words : Blackgram, Growth regulators, Physiological and Biochemical Parameters.