

Effect of Plant Growth Regulators on Growth, Yield and Quality of French Bean

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ABSTRACT

A field experiment was conducted to study the effect of plant growth regulators on growth, flowering, yield and quality of french bean cv. Arka Komal at Students Farm, College of Agriculture, Rajendranagar, during *rabi* 2009-2010. All the concentrations of the plant growth regulators were sprayed at 20 and 40 days after sowing. The results revealed that foliar application of GA₃ 250 ppm increased number of branches, number of leaves, intermodal length, and leaf area index number of pods per plant, pod length, pod weight and yield. Foliar spray of Cycocel 350 ppm increased the pod diameter. GA₃ 250 ppm recorded minimum fiber content and maximum ascorbic acid content. Maximum protein content was recorded by NAA 20 ppm.

Key words : Cycocel, French bean, Gibberlic acid, Naphthalene Acetic Acid.