

## **EFFECTS OF GROWTH REGULATORS ON GROWTH AND METABOLISM OF *SOLANUM KHASIANUM* CLARKE**

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*Solanum khasianum* Clarke is a very important medicinal plant, cultivated for its active principles like solasodine, solakhasin and solasonine. Among these solasodine is of commercial importance, which is used as a precursor for synthesis of steroidal drugs like corticosteroid, pregnane, androstanes and 19 NOR – steroids. All these are used as sex hormones and oral contraceptives (Rastogi et al. 1991). Because of its commercial importance farmers are cultivating it on large scale. For improving the yield (biomass and alkaloids) along with other trials different growth regulating substances are used.

Growth regulators like GA<sub>3</sub> and IAA at different concentrations (25 to 100 ppm) were used as a foliar sprays. Their influence on growth as well as photosynthetic pigments, proteins and some enzymes have been investigated. Similarly the influence of

these growth regulators on fruit yield and solasodine content was also studied. This communication deals with the details of the same.

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