

Efficiency of plant growth regulators on increasing yield of patchouli (*Pogostemon cablin* Benth. L.)

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ABSTRACT : Growth hormones application on growth and herbage yield are very efficient. Combination of gibberellic acid (GA), Naphthalene Acetic Acid (NAA), Kinetin, Miraculan, their combinations and their mode of application was studied to assess their effects on patchouli during 2014-2015. The results revealed that foliar application of PGRs significantly enhanced the yield i.e. total herbage (q/ha) like fresh weight (q/ha) of leaves and shade dry weight (q/ha) of leaves of patchouli compared with control. Plant growth regulators are efficient for higher yield because of photosynthetic ability to enhance sink and source relation and offer significant role in realizing higher crop yields, which is specially collected in the leaf of patchouli.

Key Words: Patchouli, naphthalene acetic acid, gibberellic acid, kinetin, miraculan