Effect of plant growth regulators on morphological, physiological and yield parameters of coriander (*Coriandrum sativum* L.)

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ABSTRACT : A field experiment was conducted during January to March 2016 at Department of Biological Sciences, Sam Higginbottom, Institute of Agriculture, Technology & Sciences, Allahabad (U.P.) India, to study the effect of plant growth regulators on Morphological, Physiological and Yield parameters of coriander (*Coriandrum sativum* L.). The experiment consisted of seven treatments including control (water spray), three concentrations of GA_3 (25, 50 and 75 ppm), and three concentrations of NAA (10, 25 and 50 ppm) foliar spray at 30 and 60 DAS replicated thrice in a randomized block design. Among the PGRs GA_3 75 ppm recorded maximum number of primary branches and secondary branches per plant, number of umbels per plant, number of umbellets per umbel was maximum with 75 ppm of GA_3. Maximum plant height was observed in GA_3 75 ppm. The maximum protein content was recorded with GA_3 ppm.

Key Words : Coriander, plant growth regulators, C.V. Rcr-436.