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EFFECT OF VERMICOMPOST AND BIOFERTILIZERS ON OKRA (*ABELMOSCHUS ESCULENTUS* (L) MOENCH) UNDER GRADED DOSE OF NITROGEN AND PHOSPHORUS

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ABSTRACT: To study the effect of sources of nutrients (organic and inorganic and biofertilizers) on growth, yield and economic of okra cv. VRO-6 the present experiment was conducted at Indian Institute of Vegetable Research, Varanasi during summer season of 2006-07 and 2007-08. The results revealed significant improvement in all the growth and yield parameters over recommended dose of N P K. The maximum length of fruit, diameter of fruit, fresh weight of fruit, dry weight of fruit and yield was recorded with application of vermicompost @ 2.5 t/ha + NPK (120:60:60 kg/ha)+PSB+Azotobacter over rest of the treatments. The maximum net profit Rs 40,332.53 and cost benefit ratio 1:1.06 was recorded under the source treatment.

Key Words: Okra, biofertilizers, vermicompost, nitrogen and phosphorus levels.