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Impact of nitrogen and phosphorus on growth and seed yield of spinach (*Spinacia oleracea* L.)

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ABSTRACT : The present investigations entitled “Impact of nitrogen and phosphorus on growth and seed yield of Spinach (*Spinacia oleracea* L.)” was carried out in experimental area of research farm of Guru Kashi University, Talwandi Sabo (Bathinda) during *Rabi* season 2018-2019. The experiment was laid out in Randomized Block Design (RBD) keeping doses in combination with different rates of nitrogen (0, 35, 70 and 95 kg ha⁻¹) and phosphorus (0, 15, 30 and 45 kg ha⁻¹) on growth and seed yield of spinach. Results showed that the maximum height of plant was 84 cm, number of branches 10.94 and weight of 100 seeds was 1.30 gram was recorded with the combined application of 95 kg N ha⁻¹ and 45 kg P₂O₅ ha⁻¹. Maximum seed yield per plant 6.36 gram and seed yield 285.52 kg/ha were obtained from 95 kg N ha⁻¹ and 0 kg P₂O₅ ha⁻¹.

KEY WORDS : Nitrogen, Phosphorus, Spinach

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