



RESEARCH PAPER

Impact of foliar spray of nutrients and seed treatment on protein uptake and protein yield of lathyrus (*Lathyrus sativus* L.) under relay cropping system

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Abstract : An experiment was carried out during the *Rabi* season of 2016, to study the impact of foliar spray of nutrients and seed treatment on protein uptake and protein yield of lathyrus (*Lathyrus sativus* L.) Under relay cropping system at the Agronomy Research Farm of IGKV, Raipur. The experiment was laid out in Factorial Randomized Block Design with twelve treatments replicated thrice. highest cost of cultivation, gross return, net return and B:C ratio was found in treatment F_5 : 0.5% NPK (19:19:19) spray at branching and 15 days after 1st spray (11570.50, 29492.64, 18618.14, 1.712 Rs.ha⁻¹, respectively), where as in case of seed treatment S_2 : seed treatment with Sodium molybdate @ 0.5 g kg⁻¹ seed gave the maximum cost of cultivation, gross return, net return and B:C ratio (11308.17, 26475.39, 15583.39, 1.431 Rs.ha⁻¹, respectively).

Key Words : Lathyrus, Utera, Foliar spray, Seed treatment, Energetics

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