



RESEARCH PAPER

Balance sheet of NPK in brinjal as influenced by doses of chemical fertilizers and foliar application of NAA

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Abstract : A research experiment was conducted two consecutive zaid (summer) seasons of 2012 and 2013 at the horticulture nursery, college of agriculture, Gwalior (M. P.) with five fertilizers doses and three concentration of NAA on summer brinjal (cv JB-64) in Factorial Randomized Block Design. The highest fruit yield (352.56 q/ha) was obtained with the application of 125 per cent RDF and 100 ppm foliar spray of NAA at 30 and 50 DAP stages. The second best combination was formed of 125 per cent RDF with 50 ppm NAA where the fruit yield was 339.07 q/ha. Application of nutrients at higher levels showed higher status in soil as compared to lower levels and the control plots showed maximum depletion in all the three (N, P and K) nutrients.

Key Words : Brinjal, Balance sheet, NPK, NAA

View Point Article : Bhadauria, Rohatash Singh, Nagaich, K.N., Singh, B.K. and Tomar, Debesh Singh (2019). Balance sheet of NPK in brinjal as influenced by doses of chemical fertilizers and foliar application of NAA. *Internat. J. agric. Sci.*, **15** (1) : 115-119, DOI:10.15740/HAS/IJAS/15.1/115-119. Copyright@2019: Hind Agri-Horticultural Society.

Article History : Received : 23.10.2018; Revised : 04.12.2018; Accepted : 10.12.2018