



Effect of zinc and iron application on yield and acquisition of nutrient on mustard crop (*Brassica juncea* L.)

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Abstract : The field experiment was conducted on Pusa Bold variety of mustard with 10 treatments in RBD in *Rabi* season- 2009-10 at Crop Research Centre of, Sardar Vallabhbhai Patel University of Agriculture and Technology; Meerut (U.P). Maximum primary branches (11.05), secondary branches (31.33), siliqua per plant (545.35), number of seed per siliqua (13.55), seed weight per plant 30.38 g and test weight (1000 seed weight, 6.50 g) were recorded, the biological yield was observed highest (114.80 q ha⁻¹) and the grain yield was also (23.40 q ha⁻¹) in T₉ { 100 % NPK (RDF) + Zn @ 25 Kg ha⁻¹ (B) + Fe @ 25 Kg ha⁻¹ (B)}. The maximum stover yield noticed 91.40 q ha⁻¹ as compared to T₁ (control) (40.82 q ha⁻¹), highest total nitrogen uptake by mustard crop, recorded 97.87 kg/ha, in case of phosphorus and potassium uptake by mustard crop was also observed 21.82 kg/ha and 152.82 kg/ha, respectively. The all over present investigation shows that the maximum yield attributes was found when zinc and iron was applied basal with recommended dose of fertilizers.

Key Words : Mustard, Micronutrient and Uptake, Kg ha⁻¹

View Point Article : Kumar, Anuj, Kumar, Satendra, Kumar, Pramod, Kumar, Ashok, Kumar, Shiv, Arya, Savita and Kumar, Sushil (2014). Effect of zinc and iron application on yield and acquisition of nutrient on mustard crop (*Brassica juncea* L.). *Internat. J. agric. Sci.*, **10** (2): 797-800.

Article History : Received : 03.05.2014; Revised : 12.05.2014; Accepted : 21.05.2014

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