

Research Article

# Effect of foliar feeding of micronutrients on nutrient uptake in direct seeded basmati rice

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Received : 10.06.2013; Revised : 08.08.2013; Accepted : 22.08.2013

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## Summary

A field experiment was conducted during *Kharif* season 2010 and 2011 with 13 treatments in Randomized Block Design. The soil was sandy loam with normal soil reaction and electrical conductivity, low in organic carbon and available N, medium in available P and K. N, P, K, Zn, Mn and Fe content (%) in grain and straw was not influenced significantly by micronutrients application. However, N, P and K uptake in grain was maximum with micronutrients application as compared to control. Uptake of N and P in straw was significantly higher with  $MnSO_4$  0.5% and  $FeSO_4$  1.0% application. Zn, Mn and Fe uptake in grain was significantly more with micronutrients application as compared to control. Uptake of Fe in straw was significantly higher with  $FeSO_4$  1.0% application by foliar sprays during 2010. Foliar sprays of  $MnSO_4$  0.5% and  $FeSO_4$  1.0% significantly increased Mn uptake in straw over control during 2011.

**Key words :** Direct seeded basmati rice, Foliar feeding, Micronutrients, Content, Uptake

**How to cite this article :** Gill, Jagjot Singh and Walia, Sohan Singh (2013). Effect of foliar feeding of micronutrients on nutrient uptake in direct seeded basmati rice. *Asian J. Soil Sci.*, 8(2): 214-220.