

EFFECT OF NUTRIENT MANAGEMENT ON YIELD AND QUALITY IN INDIAN MUSTARD (*BRASSICA JUNCEA* L.)

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Abstract: A field experiment was conducted during *rabi* season, 2015-16 to study the Effect of nutrient management on yield and quality of Indian mustard (*Brassica juncea* L.) variety Pusa Bold at Crop Research Centre Chirori, Meerut. The experimental results revealed that significantly maximum growth parameters (plant height at harvest, and yield attributes (silique length, silique plant⁻¹, seeds silique⁻¹ and test weight), yield (grain and stover), compared to rest of the treatments. The increment in seed yield under application of 100% NPK+40 kg S+1.5 B+20 kg Zn ha⁻¹ was 25.32 % over 100% NPK..Maximum gross return, net return and B: C ratio was also recorded with the application of 100% NPK+40 kg S+1.5 kg B+20 kg Zn ha⁻¹. Besides, this combination also improves quality of produce and physico-chemical properties of soil.

Keywords: Nutrient management, Indian mustard, Quality

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