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# Effect of nitrogen and phosphorus levels on Indian mustard [*Brassica juncea* (L.) Czern & Coss.]

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**ABSTRACT:** A field experiment was conducted to study the effect of nitrogen (0,40,80 & 120 kg/ ha) and phosphorus (0, 20, 40 & 60 kg/ha). levels on the growth, yield and yield attributes of mustard in R.B.D. during 2004-05 and 05-06 crop season. Narendra Rai 1, recommended for eastern U.P., was seeded on 20 November, 2004 and 18 November 2005, respectively, in 40x10cm$^2$ plant spacing. Application of nitrogen @ 120 kg and phosphorus @ 60 kg/ha. resulted significantly highest plant height, no. of green leaves, fresh weight, dry weight, no. of siliqua, length of siliqua , no. of seeds / silqua, test weight, biological yield, seed yield, stover yield and maximum net return in comparison to rest of the treatments.

**Key Words:** Mustard, *Brassica juncea*, nitrogen, phosphorus, plant growth, yield, economics.