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**Research Note**

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# Balance nutrition management in potato under riverine soils of Uttar Pradesh

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**ABSTRACT :** The on farm trail was conducted for three years, during winter season of 2007-08 to 2009-10 at farmers fields of Kannauj district. The pilot area situated in the catchments area of river Kali. For assessment of nutrients application on potato crop, the fertilizer-use-technology was refined with the inclusion of soil test base use of nutrients. Nutrients application on the soil test base *i.e.*, 203 kg N+65 kg $P_2O_5$ + 70 kg $K_2O$/ha declined 3.63 per cent and 3.79 per cent tuber yield only compared with farmers practice and R.D.F., which was negligible. The highest net return of Rs. 88527/ha was achieved from RDF closely followed by Rs. 84967/ha, available from soil test base use of fertilizer. The lowest net retutn of Rs. 72417/ha and BCR (1:2.64) were found in farmers practice. The B:C ratio in soil test base (1:3.05) and R.D.F. (1:3.07) was recorded similar.

**KEY WORDS :** Intensive cropping, Flexibility in planting, Ideal environment, Riverine soils, Telecounselling mode, Assessment and refinement.

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