

## RESEARCH ARTICLE

# Varietal performance of chickpea under harsh edaphic and environments of Bundelkhand for subsistence farmers

■ R.K. Singh, M.K. Singh and Ram Prakash

### SUMMARY

The adaptive trial was laidout during 2002-2003 at dry eco-system of Jalaun district of Bundelkhand. The soil of pilot area was *Kabar*, having low fertility status especially in organic matter. The improved genotypes KWR-108, KGD-1168 and Pusa-256 was tested with local check Radhey in adaptive trial. The cultivars planted in the first fortnight of November and harvested in the end of March after 140 days of seeding. The cultivar Pusa-256 gave highest average grain yield of chickpea by 15.50 q/ha. The local check Radhey, KWR-108 and KGD-1168 gave lowest yield by a margin of 2.25 q/ha, 1.00 q/ha and 1.00 q/ha, respectively, in comparison to cv. PUSA-256. The growth and yield traits recorded under test genotypes, supported to the grain yield of chickpea.

**Key Words :** Alluvium soil, Dry eco-system, Dry farmed area, *Kabar* soil

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### MEMBERS OF THE RESEARCH FORUM

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**Author to be contacted :**

**R.K. Singh**, Krishi Vigyan Kendra, Rura Mallu, Jalaun (U.P.) India  
Email : [rajansnikumbh@gmail.com](mailto:rajansnikumbh@gmail.com)

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**Address of the Co-authors:**

**M.K. Singh and Ram Prakash**, C.S. Azad University of Agriculture and Technology, Kanpur (U.P.) India

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