

Growth, Yield, Nutrient Availability and Uptake of Chickpea (*Cicer Arietinum L.*) as Influenced by Varieties and Phosphorus Levels

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ABSTRACT

A field experiment was conducted during the *rabi* 2009-10 comprising of three varieties (Annigeri, JG-11 and KAK-2) and four levels of phosphorus (0, 25, 50 and 75 kg P_2O_5 ha⁻¹) with factorial randomized block design concept. The results indicated that significantly higher dry matter production, phosphorus availability and N, P, and K uptake by KAK – 2 variety. The maximum dry matter, P availability as well as N, P, and K uptake were recorded with the application of 50 kg P_2O_5 ha⁻¹. Increasing the levels of phosphorus 75 kg P_2O_5 ha⁻¹ did not show any benefit on chickpea growth and yield attributes.

Key words : Dry matter, Nutrient availability and uptake, Phosphorus levels.