



RESEARCH PAPER

Effect of chickpea (*Cicer arietinum* L.) varieties and weed management practices on quality parameters, nutrient content and uptake by crop and weed

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Abstract : A field experiment was carried out at the Navsari agricultural university, Navsari during 2011-2012 to study the effect of chickpea (*Cicer arietinum* L.) varieties and weed management practices on quality parameters, nutrient content and uptake by crop. The result indicated that significantly maximum protein content (21.35 %) and protein yield (385 kg ha⁻¹) as well as nutrient content in seed N (3.42%), P (0.72%) and K (0.87 %), in stover N (1.41 %), P (0.25 %) and K (1.42 %) and uptake of nutrient by seed N (61.65 kg ha⁻¹), P₂O (13.06 kg ha⁻¹) and K₂O (15.76 kg ha⁻¹) were recorded by treatment W₂ (Weed free upto harvest- H.W. 20, 40 and 60 DAS) as compared to unweeded (control), respectively. All varieties of chickpea found equally suitable for cultivation.

Key Words : Chickpea, Quality parameters, Nutrient content, Uptake

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