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Effect of potassium and sulphur on quality parameters of onion and chilli intercrops in a vertisol

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ABSTRACT : A field experiment was conducted during *Kharif* 2006 on black clay soil to study the effect of potassium and sulphur on onion and chilli intercrops in a vertisol with four levels of potassium (0, 50, 75 and 100 kg K₂O ha⁻¹) and three levels of sulphur (0, 15 and 30 kg S ha⁻¹). Quality parameters of both onion and chilli increased with the individual application of 100 kg K₂O ha⁻¹ and 30 kg S ha⁻¹. The quality parameters of onion like pyruvic acid content, total soluble solids and keeping quality and the quality parameters of chilli like total extractable colour and ascorbic acid content were recorded maximum with the combined application of 100 kg K₂O plus 30 kg S ha⁻¹.

KEY WORDS : Quality parameters, Soil sodium, Soil potassium, Bulb, Vertisol, Intercrops

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