



RESEARCH PAPER

Evaluation of selected varieties of processing potato under Chhattisgarh plains

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SUMMARY :

An experiment was conducted to evaluate the selected varieties of processing potato (*Solanum tuberosum* L.) under Chhattisgarh plains. The experiment was laid out in a randomized block design with three replications and nine treatments/genotypes during *Rabi* 2009-10. The results revealed that the highest per cent emergence was recorded in Kufri Chipsona-1 (93.26%), the maximum number of leaves plant⁻¹ was counted in Kufri Surya (326.30), significantly the maximum number of shoots plant⁻¹ (5.36) and tallest plant (62.66) was found in Kufri Chipsona-1 at 60 DAP, no mark differences was observed among all the treatments as regard number of stolen plant⁻¹ but relatively higher number of stolen plant⁻¹ was noted in Kufri Surya (31.52) at 60 DAP and Kufri Chipsona-1 (33.02) at 75 DAP, tuberization efficiency was found relatively higher in Kufri Chipsona-1 (3.75 g), the highest number of marketable (11.56) and unmarketable (4.11) tubers as well as tuber yield plant⁻¹ of marketable (440 g) and unmarketable (57.7 g) was counted in Kufri Chipsona-1. The highest total yield (280 q/ha) was recorded in Kufri Chipsona-1.

KEY WORDS : Potato, Varietal evaluation, Growth, Yield, Yield attributes

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