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RESEARCH ARTICLE :

Studies on growth parameters and nutrient uptake of sweet corn in relation to different crop geomtery and nutrient management under Chhattisgarh plain ecosystem

■ **NIRJHARNEE NANDEHA, Y.K. DEWANGAN AND PREM LAL SAHU**

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SUMMARY : The results revealed that all the growth parameters and yield attributes *viz.*, higher plant height (119.12 cm), dry matter accumulation (58.25 g plant^{-1}), SPAD value (43.67), cob length (17.26 cm), cob girth (16.76 cm), green cob weight (255.46 g cob^{-1}) and number of grains cob^{-1} (397.72 cob^{-1}) were improved in wider crop geometry of 60 cm x 30 cm (G_3). However, narrow plant spacing (45 cm x 20 cm) proved superior in terms of number of cobs ha^{-1} (62016 cobs ha^{-1}), green stover (186.37q ha^{-1}), green cob yield (98.03 q ha^{-1}) and harvest index (33.68 %).

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KEY WORDS :
Growth parameters, Nutrient uptake, Sweet corn, Relation Different crop geomtery

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