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Varietal evaluation studies in cucumber (*Cucumis sativus* L.) genotypes under Allahabad agro-climatic condition

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ABSTRACT : Twelve cucumber genotypes were evaluated at SHIATS, Allahabad in randomized block design with three replications during rainy season-2014 for growth, yield and fruit quality traits. The genotype CUCUVAR-6 gave maximum mean value for number of fruits per vine (13.06), fruit length (19.33 cm), number of branches per vine (11.26), fruit weight (177.60 gm), fruit yield (2.31 kg/vine), yield (35.99 t/ha), TSS (5.38 ^{o}Brix), Vitamin 'C' (7.10 mg/100g), days to first appearance of female flower (35.33 days), node number at which first female flower appears (4.46), number of female flowers per vine (28.53), was observed in same genotype. The genotype Supriya-100 has taken minimum (45.66 days) to first harvesting followed by Prasad-100 (46.40 days). AK-47 cultivar showed poor performance in the fruit weight (g) 139.20 and fruit yield per vine 1.13 (kg). Maximum fruit diameter was found in KARAN (4.19 cm). CUCUVAR-6 was found superior based on overall performance in terms of growth, yield, and quality parameters under the Allahabad agro-climatic condition.

Key Words : Cucumber (*Cucumis sativus*) genotypes, growth, yield, fruit quality, TSS, vitamin 'C'.