Research **P**aper

Effect of spacing and cultivars on growth and yield of okra [*Abelmoschus esculentus* (L.) Moench]

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ABSTRACT : This experiment was laid out in March 2008 at college campus, P.G. College Ghazipur (U.P.) in Randomized Block Design with three replications. In this investigation four varieties with three spacing for finding best variety with optimum spacing was studied. Characters studied regarding growth attributes were plant height (cm), number of leaves per plant, and number of branches, while regarding to yield attributes, number of pods, dry weight of pods and fresh weight of pods. The data revealed significant differences among the varieties and spacing for all the traits. Among four varieties *viz.,* V.R.O.-6, Parbhani Kranti, Arka Anamika and Arka Abhay, variety V.R.O.-6 proved its dominance over other varieties regarding to both attributes (yield and growth) while among three spacing *viz.,* 30×15,30×30 and 30×45 cm, spacing of 30×15 cm was found best and optimum for okra crop. Among all interactions V.R.O.-6 with spacing 30×15 cm performed best. On the basis of this investigation it is concluded that V.R.O.-6 with spacing 30×15 cm should be adapted in eastern U.P.

KEY WORDS : Okra, Spacing, Variety, Vegetative growth, Yield