



## Effect of different varieties and spacing on growth and yield parameters of broccoli (*Brassica oleracea* L. var. Italica Plenck) under Pune conditions

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### ABSTRACT

A field experiment was conducted to study the effect of different varieties (Ganesh Broccoli and Pusa KTS-1) with five spacing (60x60cm, 60x45cm, 45x45cm, 60x30cm, 45x30cm) in Factorial Randomized Block Design with three replications under Pune conditions. The data revealed that cv. GANESH BROCCOLI performed superior over the cv. PUSAKTS-1 with days to 50% harvest (53.4 days), days to last harvest (68.4 days), curd diameter (10.81 cm), average weight of curd (154.80 g) and yield per hectare (70.75q) while, cv. PUSAKTS-1 recorded significantly highest values for growth parameters. Amongst five spacing  $S_5$  (45 x 30 cm) gave significantly minimum values of the various parameters under study except days to 50% harvest (64.5 days), days to last harvest (79.33 days) and yield per hectare (77.08q). However,  $S_1$  (60 x 60 cm) gave significantly maximum values of various parameters except days to 50% harvest (59.83 days) and days to last harvest (74 days). Interaction effect of different varieties and spacings was found non significant but numerically the interaction effect of  $V_1S_1$  was the best among the all treatment combination except yield per hectare.

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