



Research Paper

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Effect of planting time and plant densities on yield, quality and cost of production in garlic (*Allium sativum* L.) cv. JAMNAGAR

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ABSTRACT : The effects of planting time and plant densities on yield per hectare, quality and cost of production were investigated in garlic (*Allium sativum* L.). Yield in garlic decreased significantly with delay in planting. Maximum yield (88.75 q/ha) was recorded in early planting on November 1st, while a progressive decrease under plant densities. Maximum yield (109.51 q/ha) was obtained with higher density treatment with 900 plants/plot spaced at 10 x 5cm. Maximum net returns of Rs. 1,30,382 per hectare recorded with 900 plants/plot with spacing of 10 x 5 cm but the highest benefit cost ratio (B: C ratio) was observed in 1st November planting with 300 plants/plot spaced at 20 x 7.5 cm (0.54:1). The quality parameters like TSS, reducing sugars, sulphur and ascorbic acid content were recorded at par in all the treatment combinations.

KEY WORDS : Garlic, Planting date, Plant densities, Yield, Quality, B:C ratio

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