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RESEARCH PAPER

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Impact of plant spacing and nitrogenous fertilizer on incidence of sucking pests in Bt cotton

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ABSTRACT

Field experiment was conducted to study the impact of plant spacing and nitrogenous fertilizer on incidence of sucking pests in Bt cotton at College Agronomy farm, B.A. College of Agriculture, Anand Agricultural University, Anand during *Kharif*, 2010-11. The Bt cotton raised at wider spacing 150×60cm recorded lower activity of major sucking pests *viz.*, aphid, leafhopper and whitefly. Application of 360 kg N/ha, higher dose, enhanced the activity of sucking pests. The lower incidence of sucking pests was noticed with the application of lower dose @ 180 kg N /ha. Bt cotton grown at the widest spacing (150×60 cm) with the higher fertilizer dose (360 N kg/ha) recorded significantly higher (1996 kg/ha) seed cotton yield. The sucking pest population declined with increased spacing and with decreased fertilizer level and *vis-a-vis*.

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