EFFECT OF DATE OF SOWING ON GROWTH AND DEVELOPMENT OF COTTON

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Abstract: A field experiment was conducted during kharif seasons of 2013-14 at Main Cotton Research Station, Navasari Agricultural University, Surat to assess the effect of environment on cotton growth and development. The experiment was laid out in split plot design comprising three dates of sowing as main plot and six genotypes as sub plot treatments replicated thrice. The result was indicated that no of days and GDD required to attain different phenological stages are significantly higher in normal sown condition. Bt hybrids required less no. of days and GDD to attain all phenological stage as compare to Non Bt Hybrids. G.Cot. Hy-8 BG-II was required lower GDD and days to attain all phenological stages. The Plant height, no. of sympodia, no. of bolls per plant and seed cotton yield was significantly decreased in delayed sown condition. ANKUR-3028 BG-II has significantly higher plant height, no. of sympodia, no. of bolls per plant and seed cotton yield as compare to other genotypes.

Keywords: Cotton, Climate change, Date of sowing, GDD, Growth

REFERENCES


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