



RESEARCH PAPER

Effect of dates of sowing, varieties and growth regulator on growth and yield attributes on summer groundnut (*Arachis hypogaea* L.) under north Gujarat agro-climatic conditions

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Abstract : A field experiment was conducted during summer-2010 at Agronomy Instructional Farm, C.P. College of Agriculture, Sardarkrushinagar Dantiwada Agricultural University, Sardarkrushinagar, to study the effect of dates of sowing, varieties and growth regulator on growth and yield attributes on summer groundnut (*Arachis hypogaea* L.) under north Gujarat agro-climatic conditions. The soil of the experimental field was loamy sand in texture, low in nitrogen, medium in available phosphorus and rich in available potash. The experiment was laid out in Factorial Randomized Block Design with three replications. Eighteen treatment combinations comprised of three levels of dates of sowing viz., D₁ - 1st February, D₂ - 14th February and D₃ - 28th February; three levels of varieties viz., V₁ - GG-2, V₂ - GG-5 and V₃ - GG-7 and two levels of growth regulator viz., G₀ - control and G₁ - 50 ppm IBA spray 20 and 40 DAS. The performance of all growth and yield attributes recorded highest plant height (27.35 cm), pods yield (3065 kg/ha) and test weight (50.42 g) was observed in 28 February snowcrop.

Key Words : Dates of sowing, Varieties, Growth regulator, Growth, Yield attributes

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