

Click www.researchjournal.co.in/online/subdetail.html to purchase.



RESEARCH PAPER

Effect of different levels of row spacing and nitrogen on yield characters in roselle (*Hibiscus sabdariffa* var. *sabdariffa*)

E. ARIVAZHAGAN* AND A.K. RAJA

Department of Horticulture, Faculty of Agriculture, Annamalai University, ANNAMALAINAGAR (T.N.) INDIA

Abstract : Investigation was carried out to study the effect of different levels of nitrogen and spacing on the yield characters in roselle. A field trial was conducted in a Factorial Randomized Block Design with five levels of nitrogen (50, 100, 150, 200 and 250 kg ha⁻¹) and three levels of row spacing (60, 90 and 120 cm). The results of the present study revealed that the spacing of 120 × 75 cm and nitrogen application of 250 kg ha⁻¹ was found to be superior in improving the yield characters like number of flowers plant⁻¹, number of fruits plant⁻¹, yield of fresh and dry calyces plant⁻¹, yield of fresh and dry calyces yield plot⁻¹, yield of fresh and dry calyces ha⁻¹, seed yield and dry matter production.

Key Words : Nitrogen, Spacing, Roselle, Yield

View Point Article : Arivazhagan, E. and Raja, A.K. (2015). Effect of different levels of row spacing and nitrogen on yield characters in roselle (*Hibiscus sabdariffa* var. *sabdariffa*). *Internat. J. agric. Sci.*, **11** (1): 13-18.

Article History : Received : 07.04.2014; Revised : 19.10.2014; Accepted : 05.11.2014