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

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ABSTRACT : The present investigation was carried out to study the effect of different levels of nitrogen and spacing on the quality characters and nutrient uptake 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 quality characters like titrable acidity, pectin, ascorbic acid, anthocyanin content, plant nitrogen, phosphorus and potassium content.

KEY WORDS : Nitrogen, Spacing, Roselle, Yield

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