Roselle (Hibiscus sabdariffa L.) Production as affected by two -natural alternatives to farmyard manure. II. Chemical Assessments of sepal quality

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Abstract:

The effects of sugarcane industry organic wastes viz., filter- mud cake and El-Takamolia at 3, 6 or 12 t/feddan on the pH of the sepal extract and the anthocyanin, protein, phosphorus and potassium content of sepals of roselle were determined and compared to those of farmyard manure in a field experiment conducted in Sohag and Assiut, Egypt during 1998-99. Application of the organic wastes resulted in a slight increase in the protein and phosphorus content of sepals of plants grown in Sohag, whereas it has no distinct effects on plants in Assuit. Plants from Sohag recorded higher protein and lower anthocyanin content than plants from Assuit.

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