

Title Determination of post harvest deterioration in upcoming sugarcane varieties
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Citation Pakistan Sugar Journal, 26(2) p. 10-17, 2011.
Keywords *Saccharum officinarum*; Varieties; Evaluation; Postharvest decay; Weight losses; Carbohydrate content; Crude fibre; Sugars; Sugarcane juice; Purity

Abstract

Two promising sugarcane varieties Q-88 and GT-7 were evaluated during the year 2006-2007 for post harvest deterioration. The weight of 10 canes 15.91, 15.42, 14.82, 13.85 and 12.97 kg, Brix content 21.02, 20.79, 20.42, 20.07 and 19.47%, fiber content 12.93, 13.06, 13.18, 13.33 and 13.50%, sugar recovery 10.48, 10.35, 10.11, 9.78 and 9.50%, and purity 84.06, 83.90, 83.78, 83.59 and 83.34% when harvested cane was left unprocessed for 1, 2, 4, 6 and 8 days, respectively. Similarly, in varieties Q-88 and GT-7, weight of 10 canes was 13.90 and 15.29 kg, Brix 20.28 and 20.43%, fiber content 13.47 and 12.94%, sugar recovery 10.03 and 10.05% and purity 82.58 and 84.88%, respectively. The accumulated losses in Q-88 were 3.39, 6.84, 10.43 and 15.88% and in GT-7 3.08, 6.85, 12.94 and 18.47%; accumulated losses in sugar recoveries in Q-88 were 1.15, 2.97, 6.03 and 9.76% and in GT-7 1.24, 3.53, 6.68 and 9.35%, when harvested cane was left unprocessed for 2, 4, 6 and 8 days, respectively.