



RESEARCH ARTICLE :

Quality assessment of different muskmelon varieties by chemical and sensory analysis

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SUMMARY : A field experiment was conducted on muskmelon varieties for the assessment of qualitative traits (TSS, total sugars acidity, aroma, sweetness, flavour and appearance of fruit). High TSS content was observed in the varieties viz., Kanpur (12.03° Brix), Alpur (11.33° Brix), Arka Jeet (11.11° Brix), Pusa Madhuras (10.46° Brix) and Siddavatam Dosa (10.00° Brix). The total sugars was high in the varieties viz., Kanpur, Alpur, Arka Jeet, Pusa Maduras and Siddavatam Dosa (15.58 %, 15.02 %, 14.40 %, 13.26 % and 12.35 %, respectively). Low acidity was recorded in the varieties, Kanpur (0.06 %) and Alpur (0.08 %). The muskmelon varieties viz., Bathesa, Kanpur, Pusa Madhuras were adjudged best in terms of aroma (2.6, 2.3 and 2.1, respectively). The varieties, Alpur, Kanpur, Pusa Madhuras, Arka Jeet, Siddavatam Dosa were identified best in terms of sweetness (3.0, 3.0, 2.8, 2.6 and 2.5, respectively). The varieties, Bathesa, Alpur, Kanpur, Siddavatam Dosa, Pusa Madhuras were observed good in terms of flavour (3.4, 3.3, 3.1, 3.0 and 2.8, respectively) based on ratings developed through organoleptic test.

KEY WORDS :

Muskmelon, Alpur, Arka Jeet, Pusa Maduras

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