



*RESEARCH PAPER*

# Determination of maturity standards of some grape (*Vitis vinifera* L.) cultivars under Ayodhya conditions

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**Abstract :** Various physico-chemical characters of berries were evaluated to fix maturity standards in four grape cultivars, viz. Beauty Seedless, Perlette, Delight and Banqui-Abyad at Horticulture Experiment Farm, Acharya Narendra Deva University of Agriculture and Technology, Kumarganj, (Faizabad) Ayodhya (U.P.). Characters like berry weight, berry size, juice content as per cent of berry weight, T.S.S., acidity, total sugars and ascorbic acid were found to be unsuitable as an index of maturity in all the four grape cultivars. However, the T.S.S./acid ratio was found to be suitable for the purpose and on the basis of this character harvesting time has been suggested.

**Key Words :** Physico-chemical, Quality, Ripening, Grape

**View Point Article :** Kumar, Sanjeev, Singh, I.S. and Yadav, A.S. (2025). Determination of maturity standards of some grape (*Vitis vinifera* L.) cultivars under Ayodhya conditions. *Internat. J. agric. Sci.*, 21 (1) : 68-72, DOI:10.15740/HAS/IJAS/21.1/68-72. Copyright@2024: Hind Agri-Horticultural Society.

**Article History :** Received : 19.12.2023; Revised : 23.10.2024; Accepted : 25.11.2024

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