

## RESEARCH ARTICLE

# Studies of physico-chemical characteristics of various cultivars of aonla (*Emblica officinalis* Gaertn) under semi-arid conditions of eastern Uttar Pradesh

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### SUMMARY

Studies on the physico-chemical characteristics of various cultivars of aonla viz., NA-6, NA-7, NA-10, Kanchan and Chakaiya were taken up under semi-arid condition of eastern Uttar Pradesh at Narendra Deva University of Agriculture and Technology, Kumarganj, Faizabad. Maximum fruit weight (43.64g) was recorded with the variety NA-10 followed by NA-7 and NA-6. The variety NA-6 recorded lowest content of fibre, higher content of pulp and total soluble solids with moderate fruit size and vitamin C content while NA-7 showed average physico-chemical composition with higher content of ascorbic acid. These varieties have also higher productivity and fruits are free from necrosis or internal browning, hence, they seem to be ideal varieties for processing.

**Key Words :** Aonla, Physico-chemical, Ascorbic acid, TSS, Acidity, Phenols, Acidity ratio

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