



Quality Evaluation of Elephant Foot Yam (*Amorphophallus paeoniifolius* Dennst- Nicolson) Cultivars during Growth and Development

Amit Kumar Singh, Arvind Kumar Chaurasiya¹ and Surajit Mitra²

Department of Horticulture, Rani Lakshmi Bai Central Agricultural University, Jhansi-284 003, India

¹North Eastern Hills University Tura, Meghalaya-794002, India

²Bidhan Chandra Krishi Viswavidyalaya Mohanpur, Nadia-741 252, India

E-mail: amitsinghbckv@gmail.com

Abstract: Eleven cultivars of elephant foot yam were evaluated and variability was observed at monthly intervals within the cultivars. In cv. NDA-9 and AC-28 amount of dry was more at 100 and 250 DAP respectively. The TSS was higher in cultivar NDA-9 and BCA-5 and BCA-2 and total sugar in BCA-5 and BCA-2. The range of titrable acidity was 0.064-0.160 % at different stages during growth and development. Significant increase was in dry weight, total soluble solids, total sugar and titrable acidity during growth and development period at monthly intervals.

Keywords: Elephant foot yam, Cultivar, TSS, TS, Acidity
