



## RESEARCH PAPER

# Assessment of qualitative parameters in seventeen tuberose (*Agave amica* L.) genotypes

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**Abstract :** The present investigation was carried out in the agro-climatic condition of Bhubaneswar, Odisha during the year 2024-25 to evaluate the qualitative performances of seventeen Tuberose (*Agave amica* L.) Genotypes. The experiment was laid out in Randomized Block Design (RBD) with two replications to assess all the qualitative attributes. All the varieties showed significant variations across the genotypes for all the parameters tested. Qualitative assessment revealed distinct variations in spike orientation, bud colour and floral structures, with single type flower showing normal anthers and double type flower exhibit malformed anthers. These results will be further useful for classification and identification of genotypes, varietal characterization, essential for breeding programmes, helpful in disease diagnosis and crop management, and important for consumer preference and market grading.

**Key Words :** Tuberose, Evaluation, Floral biology, Morphology

**View Point Article :** Nayak, Laxmi Priya and Karjee, Soudamini (2025). Assessment of qualitative parameters in seventeen tuberose (*Agave amica* L.) genotypes. *Internat. J. agric. Sci.*, **21** (RAABASED) : 47-51, DOI:10.15740/HAS/IJAS/21/RAABASED-2025/47-51. Copyright@2025: Hind Agri-Horticultural Society.

**Article History :** Received : 15.07.2025; Accepted : 30.07.2025

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