

Characterization of Mini Core Collection of Groundnut (*Arachis hypogaea*) for Morphological Traits

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ABSTRACT

Constant evaluation and characterization of the existent yet uncharacterized germplasm is useful for the development of new and better varieties. Minicore collection of groundnut was characterized based on ten morphological descriptors in the present study. Principal component analysis revealed that all characters except growth habit exhibited significant variation in mini core collection. Shanon-Weaver diversity index indicated that Virginia bunch recorded higher diversity for pod beak, pod constriction, pod reticulation and flower colour, Virginia runner for pod reticulation and leaf let shape, and Valencia for pod reticulation and stem pigmentation whereas Spanish bunch group did not showed diversity for any of the traits.

Key words : Characterization, Core collection, Frequency distribution, Ground nut,
Principal component analysis, Shanon-Weaver diversity index. .