

Studies on Variation of Quantitative characters in okra germplasm

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Abstract

This experiment was conducted to study variation of germplasm in quantitative characters of okra from Kaohsiung DAIS. From the character analysis of 58 varieties, ideal traits of ideotype were found in germplasm variation. The ideal phenotypes are: plant height on the of flowering is 70 cm, 3 lateral shoots from main stem, beginning of blooming on the 7th node, beginning day of blooming is 44 days after planting, 58 fruits/plant on early stage, yield is 5792.3g/3.5m², fruit length is 8 cm; fruit diameter is 2 cm or single fruit weight is 10.5g, respectively. Which can be used as parents in hybrid breeding. Additionally, fruit length and fruit weight are significant differences in varieties collected from different area. Varieties collected from India, Malaysia and Sri Lanka, with longer fruit length, Philippines possess heaviest fruit weight.

Key words: Okra, Quantitative Character, Variation

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