

INHERITANCE OF PIGMENTATION IN WEST AFRICAN OKRA (*ABELMOSCHUS CAILLEI* (A. CHEW) STEVELS

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ABSTRACT

Parents, F₁, F₂, BC₁, BC₂, from crosses of six accessions of West African Okra were evaluated at the University of Agriculture, Abeokuta to study the mode of inheritance and genetic control of pigmentation on the stem, pods, petiole, peduncle, leaf vein and calyx. The six accessions vary for the presence and absence of pigmentation on these plant parts. The results indicated a monogenic pattern of inheritance pigmentation on the stem, pods, petiole, peduncle, leaf vein and calyx. The implication of this result for breeding improved genotypes in this crop is discussed.

Keywords: West African Okra, inheritance; pigmentation; dominance.