



Research Paper

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Characters association studies in broccoli [*Brassica oleracea* (L.) var. *italica*] under mid hill of Uttarakhand

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ABSTRACT : Characters association studies may help in the selection of the traits associated with the highest expression in terms of quality and quantity (yield). The correlation study revealed that the seed yield of broccoli exhibit highly significant and positive correlation with days to maturity, plant height, number of secondary branches per plant, number of siliqua per plant, length of siliqua and number of seeds per siliqua. Seed yield also positively correlated with number of primary branches per plant and diameter of siliqua. The highly significant and positive correlation of vigour index-I was obtained with 1000-seed weight, standard germination, seedling length and seedling moisture content, while the vigour index-II showed significant and negative correlation with seedling moisture content.

KEY WORDS : Broccoli, Protein, Fat, Carbohydrate, Iron

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