

Correlation and Path Analyses over Environments in Sesamum (*Sesamum indicum* L.)

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ABSTRACT

Correlation and path coefficient analyses were carried out using 10 genotypes of sesamum in 6 environments. Plant height, number of capsules per plant, number of seeds per capsule, 1000 seed weight and harvest index were positively correlated with seed yield over environments. The positive correlation of number of capsules per plant, number of seeds per capsule and 1000 seed weight with seed yield and among themselves was observed suggesting that these are the major yield contributing traits. Path coefficient analysis also showed direct positive contribution of number of primaries, number of secondaries, number of capsules per plant, number of seeds per capsule, 1000 seed weight on seed yield. These traits deserve special emphasis in selection while selecting for improvement in seed yield of sesamum

Key words : Correlation, Path Analysis, Sesamum