

Correlation and Path Coefficient Analysis in Upland Cotton (*Gossypium hirsutum* L.)

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ABSTRACT

The present study was conducted on correlation and path coefficient analysis for yield and yield contributing characters in upland cotton. The results of phenotypic and genotypic correlation analysis revealed that plant height, number of sympodia per plant, number of bolls per plant, boll weight and lint yield per plant were significantly and positively correlated with seed cotton yield per plant in present material. Path analysis indicated that lint yield per plant exhibited high direct positive effect on seed cotton yield per plant signifying the importance of this trait during selection for improvement of seed cotton yield of cotton.

Key words : Cotton, Correlation, Path analysis, Seed cotton yield