

# **Studies on Character Association and Path Analysis in Groundnut**

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## **ABSTRACT**

Forty groundnut genotypes obtained from Agricultural Research Station, Kadiri, Andhra Pradesh constituted the experimental material for the present investigation. Character associations among yield, yield component characters and quality traits in addition to path effects of the yield component traits and quality characters for dry pod yield were studied in the present investigation. The results revealed significant and negative association of dry pod yield per plant with number of immature pods per plant and 100 kernel weight. However, significant and positive association was noticed for the trait with plant height, mature pods per plant and fresh pod yield per plant. Further, high and positive direct effects of mature pods per plant and fresh pod yield per plant were observed in the present study, indicating their effectiveness as important selection criteria for dry pod yield improvement in groundnut.

**Key words:** *Correlation, Groundnut, Path analysis and Yield.*