

Correlation and Path Analyses over Environments in Soybean *[Glycine max (L.) Merrill]*

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ABSTRACT

Twelve soybean genotypes were evaluated in three different environment (3 sowing dates). Correlation and path coefficient analyses revealed that number of pods per plant, biological yield per plant and harvest index were positively correlated with seed yield per plant in all three environments at both levels. Days to maturity showed significant positive association with seed yield per plant in all the three environments at genotypic level only. Path coefficient analysis showed direct positive contribution of number of pods per plant, biological yield per plant and harvest index in all the three environments. These traits deserve special emphasis in selection for improvement of seed yield in soybean.

Key words : Correlation, Path Analysis, Soybean.