

PATH COEFFICIENT ANALYSIS IN MUNGBEAN UNDER IRRIGATED AND MOISTURE STRESS CONDITIONS

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Abstract: An investigation was carried out with fifty eight mungbean genotypes to understand direct and indirect effects of yield attributes and drought related traits on seed yield per plant under both irrigated (E₁) and moisture stress (E₂) conditions for yield components. Path analysis revealed that, harvest index had positive direct effect on seed yield per plant per plant under both irrigated (E₁) and moisture stress conditions (E₂). However, days to maturity, number of pods per plant and number of pods per cluster in E₁ and number of clusters of plant, number of pods per plant, plant height, 100 seed weight and relative water content in E₂ contributed moderate and direct effect on seed yield per plant.

Keywords: Mungbean, Path analysis, Yield, Drought, Parameters

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