



RESEARCH PAPER

Inter-relationship and path co-efficient analyses for yield components and seed quality parameters in wheat (*Triticum aestivum* L.)

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Abstract : Wheat attains unique position in agriculture and economy of our country because of being second most important food crop after rice. In the present investigation 72 Australian and Indian genotypes of bread wheat along with 3 checks viz., HD-2329, DBW-17 and PBW-343 were evaluate during *Rabi* season, 2011-12. A very strong positive correlation of grain yield per plant at genotypic level was observed with 1000-seed weight, plant height, number of tillers per plant and days to 50 per cent flowering. Path co-efficient analysis, carried out at direct and indirect effects of different characters on seed yield per plant, identified plant height, days to 50 per cent flowering and number of spikelets per plant as major direct contributors towards seed yield per plant. 1000-seed weight, seedling length and number of tiller per plant emerged as most important indirect contributors to grain yield per plant.

Key Words : Wheat (*Triticum aestivum* L.), Character association, Path co-efficient, Grain yield

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