

# **Correlation and path coefficient analysis for grain yield and its components in pearl millet [*pennisetumglaucum* (L.) R. Br.]**

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## **ABSTRACT**

An experiment was conducted to study the correlation and path analysis for eleven characters of 60 inbred lines in pearl millet during *rabi*, 2015-16. Grain yield per plant was found to be significantly and positively correlated with plant height, ear length, ear diameter, productive tillers per plant, head yield per plant, fresh stover yield per plant, dry matter yield per plant, 1000 grain weight and grain harvest index while days to 50 per cent flowering recorded negative and significant association with yield. Path analysis at genotypic level revealed that head yield per plant had exhibited the maximum positive direct effect followed by grain harvest index, fresh stover yield per plant, 1000 grain weight, productive tillers per plant, ear diameter, days to 50 per cent flowering and ear length.

**Key words:** *Correlation, Grain yield per plant, Path analysis, Pearl millet.*