

## Correlation and path analysis of seed quality characters in soybean

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### **SUMMARY**

Correlation and path analysis of seed quality characters was studied in five soybean cultivars. A great scope for improvement of seed quality was found to exist. The seed vigour characters were found to exhibit positive correlation among themselves but these did not show any association with oil and protein content. Oil content showed positive correlation with protein while protein content showed positive correlation with germination. The path co-efficient analysis showed that moisture content recorded highest and negative direct effect on seed germination percentage. The seed characteristics seed index, processing recovery and oil content had positive direct effect on seed germination though protein content showed negative indirect effect on seed germination.

**Key Words :** Correlation, Path analysis, Seed index

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