

Influence of *Aspergillus* Spp. on Biochemical Characters of Groundnut Seed

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ABSTRACT

Influence of major seed borne fungi *Aspergillus niger* and *A. flavus* on biochemical characters of 13 different genotypes of groundnut seed was investigated. Both *A. niger* and *A. flavus* caused decrease in seed protein, total soluble sugar and oil contents and increase in total phenol content irrespective of the genotype. *A. niger* caused 8.82, 21.79 and 1.65 per cent decrease in protein, total soluble sugar and oil contents whereas *A. flavus* caused 7.10, 12.08 and 1.33 per cent reduction in protein, total sugar and oil contents respectively. The per cent increase in phenol content was 13.22 and 11.69 in *A. niger* and *A. flavus* inoculated seed, respectively. Between the two fungi, *A. niger* resulted in maximum changes in seed quality and biochemical characters over uninoculated control.

Keywords: *Aspergillus*, *Groundnut*, *Oil content*, *Phenol content*, *Seed protein* and *Soluble sugars*.