

Field Screening of Groundnut Genotypes Against Leaf Miner, *Aproaerema Modicella* Deventer

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ABSTRACT

A field screening experiment was conducted on 25 groundnut genotypes including one check Kadiri 6 variety at the Agricultural Research Station, Kadiri during *kharif* and *rabi* 2017-18. Among them, nine genotypes showed resistant reaction against groundnut leaf miner *Aproaerema modicella*. These genotypes K-1451, VG-9521, ICGV-94379, K-1736, VRI(GN-6), K-1661, TGLPS-03, K-1706 and K-1809 were categorised as resistant types, out of which, K-1809 showed maximum resistance recorded with minimum cumulative foliage damage per cent of 10. Among the screened genotypes 15 were moderately resistant and the susceptible check, Kadiri-6 showed moderately susceptible reaction with maximum foliage damage per cent (42.91%). Among the biochemical constituents of the leaves characterised for the genotypes screened, phenol content showed a significant positive correlation ($r=0.904$) and total sugars were negatively correlated ($r=-0.936$) with foliage damage whereas, morphological characters like leaf thickness and trichome density showed significant positive correlation ($r=0.921$ & 0.941) with the foliage damage due to the infestation of leaf miner.