

RESEARCH ARTICLE

# Identification of resistant sources for maize pink stem borer

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ABSTRACT

One hundred and thirty three maize inbred lines comprising of 18 sweet corn, 13 popcorn, 38 QPM, 46 normal maize and 18 special trait corns compared with two checks, Winsynthetic and Basilocal were screened against *Sesamia inferens* at Maize Research Centre, Hyderabad during Rabi 2009-10 and 2010-11. At 12 days after germination, each individual plant was artificially infested with 10-12 neonate larvae of *Sesamia inferens* with the help of bazooka. At 30 days after infestation plants were rated on 1-9 scale based on leaf injury rating (LIR). Mean LIR was calculated in both the replications and subjected to RBD analysis. HKI 586-1WG'33, HKI-1040-11-7, V335, CM 144, CML 175, HKI 164-7x161-2, HKI 164-4(1-3)2-2, HKI 164-7-4ER-3, DMRQPM03-113, WINPOP-3 and PFSR-R 9 were identified to be least susceptible (LIR 1.0-3.0) against maize pink stem borer.

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