**REACTION OF SORGHUM GENOTYPES FOR SHOOT AND PANICLE PESTS IN TIMELY AND LATE SOWN CROP**

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**Abstract:** A field experiment entitled “Reaction of Sorghum Genotypes against Shoot and Panicle Pests in Timely and Late sown Crop was carried out in a Randomized Block Design during _kharif_ season, 2015-16 at College of Agriculture, Indore (M.P.). Based on the objectives the observations were recorded to study the combating ability, including impact of two dates of sowing on the insect pests viz. shoot fly (_Atherigona soccata_ Rondani), stem borer (_Chilo partellus_ Swinhoe), ear head worm (_Cryptoblabes gnidiella_ Mab.), ear head bug (_Calocoris angustatus_ Leth.) of sorghum. Among 43 varietal genotypes less incidence of shoot fly (dead hearts per cent) was recorded in timely sown crop as compared to late sown crop. The stem borer infestation as well as ear head pests recorded numerically higher in timely sown crop. The lowest shoot fly attack was recorded in both the resistant checks IS 18551 and IS 2205 in timely and late sown condition. Eleven entries were found resistant in timely sown crop while, nine entries were susceptible in late sown crop. The lowest stem borer leaf injury (%) was observed in SPV 2294 (2.33%) and maximum in DJ 6514 (14.00%). However at 45 DAE, the lowest damage was recorded in resistant checks. The lowest dead heart per cent was recorded in susceptible check Swarna (45.33%). Whereas under late sown condition minimum dead heart per cent was recorded in SPV 2367 (3.78%) on with eight another entries. The stem tunneling due to stem borer per cent under timely sowing ranged between 3.62% and 19.83%, finally all the entries exhibited resistance against the insect. Whereas, under late sown condition range of stem tunneling ranged between 1.19% and 9.49%. Under timely sown crop condition bug and worm count ranged between 3.33 and 12.60, 3.03 and 15.33 respectively. However, under late sown condition the population of bug and worm ranged from 1.67 to 6.67 and 2.33 to 7.67. Under both timely & late sown crop, the maximum grain yield (Kg/ha) was 1675.73 & 600.72 in genotype SPV 2368 respectively.

**Keywords:** Sorghum genotypes, Reaction of sorghum pest, Timely, Late sown crop

**REFERENCES**


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