

POPULATION DYNAMICS OF SORGHUM SHOOT FLY, *ATHERIGONA SOCCATA* (RONDANI) INFESTING SORGHUM

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Abstract: The present investigation carried out at Sorghum Research Station, SDAU, Deesa, and Gujarat, to study the population dynamics, varietal screening of sorghum and management of shoot fly *A. soccata* during *khari* 2012. The shoot fly incidence (1.52 eggs/plant) started from 7 days after germination (last week of July). The number of eggs per plant gradually increased with crop growth and maximum number of eggs *i.e.* 3.08/plant were observed after 21st days of germination (second week of August). Dead hearts due to shoot fly also started from 7 days after germination (last week of July) *i.e.* 8.15 per cent which increased with crop growth with maximum dead hearts (47.36%) and observed after 21st days of germination *i.e.* second week of August. It can be concluded that peak periods of shoot fly incidence and dead heart were from 21 days to 28 days after germination of the crop.

Keywords: Population, Sorghum, Shoot

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