

**EFFECT OF DIFFERENT FOOD TYPES ON THE BIOLOGY,
FECUNDITY AND LIFE TABLE PARAMETERS OF THE STORED
GRAIN MITE *GOHIERIA FUSCA* (OUD.)
(ACARI : ASTIGMATA : LAPIDOPHORIDAE)**

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Abstract

Biological studies were carried out on the stored grain mite *Gohieria fusca* (Oud.), where it fed on three different food sources; dry yeast granules, crushed wheat and crushed maize to determine the ability of mite *Gohieria fusca* to feed on, develop, fecundity, reproduction and life table parameters as a sole food sources under laboratory conditions of 25±2 °C and 65% R.H. Obtained results and statistical analysis showed that developmental stages, fecundity, reproduction and life table parameters of mite were affected by different food types, whereas, total immature stages lasted (31.22 & 29.92), (34.73 & 33.38) and (31.81 & 29.78) days for female and male, when mite fed on the above mentioned diets respectively. Female oviposition period lasted 26.8, 30.9 and 29.1 days, which deposited an average numbers of eggs with a daily rate (132.9 & 4.96), (111.5 & 8.87) and (91.3 & 3.14) eggs, when mite fed on dry yeast granules, crushed wheat and crushed maize respectively.