



RESEARCH ARTICLE :

Diversity of white grubs (Coleoptera: Scarabaeidae: Melolonthinae) from Maharashtra

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ARTICLE CHRONICLE :

Received :

15.07.2017;

Accepted :

30.07.2017

SUMMARY : The present work provides information on distribution of white grub species from different seven agroclimatic zones of Maharashtra. A total of thirteen species from subfamily Melolonthinae under five genera viz., *Holotrichia serrata* (Fabricius), *Holotrichia fissa* Brenske, *Holotrichia reynaudi* (Blanchard), *Holotrichia akolana* Khan and Ghai, *Holotrichia nagpurensis* Khan and Ghai, *Holotrichia rufiflava* Brenske, *Holotrichia ferinosa* Nonfried, *Sophrops karschi* (Brenske), *Sophrops sculpticollis* (Blanchard), *Schizonycha ruficollis* (Fabricius), *Schizonycha fuscescens* (Blanchard), *Leucopholis lepidophora* (Blanchard) and *Amiridiba cocaabiae* recorded during the study period. The single dominant species, *Holotrichia serrata* was observed upto 29.20 per cent of all individuals followed by *Holotrichia fissa*, *Schizonycha ruficollis* with abundance of 23.89 per cent and 19.17 per cent, respectively. The lowest abundance was observed in species *Leucopholis lepidophora*. Diversity index of subfamily Melolonthinae recorded abundance in population *Holotrichia serrata* (0.3594). Whereas, *Leucopholis lepidophora* with minimum abundance (0.0523). However, moderate to rich Shannon biodiversity index ($H=1.9897$) was noticed in terms of subfamily Melolonthinae in Maharashtra.

KEY WORDS :

Melolonthinae,
Diversity,
Distribution, White
grubs

How to cite this article : Bajad, Vijaya V., Dadmal, S.M. and Undirwade, D.B. (2017). Diversity of white grubs (Coleoptera: Scarabaeidae: Melolonthinae) from Maharashtra. *Agric. Update*, **12**(TECHSEAR-5) : 1363-1366; DOI: 10.15740/HAS/AU/12.TECHSEAR(5)2017/1363-1366.

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