

**Phenology and Vertical Distribution of Aphodiinae (Coleoptera: Scarabaeidae: Aphodiinae) in Bozdag Mountain, Turkey**

Mehmet GÜLMEZ<sup>1</sup> Yakup ŞENYÜZ<sup>2</sup>,

<sup>1</sup> Institute of Science, Dumlupınar University, TURKEY

<sup>2</sup> Biology Department, Dumlupınar University, TURKEY  
yakup.senyuz@dpu.edu.tr

**Aim of the study:** This study was monitored using dung baited pitfall traps from October 2012 to September 2013 in 3 localities at different altitudes in Bozdag, Eskişehir, Turkey. Totally 1178 specimens belonging to 17 species in 9 genus of Aphodiinae subfamily were trapped.

**Material and Methods:** Phenology and vertical distribution of Aphodiinae species was carried out between September 2012 and August 2013 in three locations on Bozdag's Mountain in Central Anatolia Region of Turkey. The samples were collected by dung baited pitfall traps. Each specimens identified and turn into a museum material with classic preparation methods. All of the specimens are deposited in Entomology Laboratory of Department of Biology in Dumlupınar University.

**Results:** Of these species, *Bodilus ictericus* (Laicharting 1781), *Esymus pusillus* (Herbst, 1789), *Melinopterus consputus* (Creutzer, 1799), *Nimbus contaminatus* (Herbst 1783), *N. johnsoni* (Baraud, 1976), *N. obliteratus* (Panzer, 1823), *Volinus sticticus* (Panzer 1798) are new records for central Anatolia region. Beetles of terrestrial system are supported important ecological role in various ecological processes. Dung beetles are important group primer decomposing in forest ecosystems. Aphodiinae tribe distributed worldwide and this tribe are dominant species groups of dung beetles community in Palearctic Region. According to many of research these group more focused in West Palearctic Region.

**Keywords:** Aphodiinae, Coleoptera, Eskişehir, Scarabaeidae, Turkey.