

**Seasonal variations in fresh and dry weight and water content of  
Sunn pest, *Eurygaster integriceps* Put. (Het. Scutelleridae), in  
aestivation and hibernation localities**

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**ABSTRACT**

This study was carried out to determine seasonal variations of fresh and dry weight and water content in adults of *Eurygaster integriceps* Put. In Varamin, Kermanshah and Sarakhs localities. Fresh weight in both sexes decreased during summer and autumn. But it apparently increase in winter in some regions. Also dry weight decrease in all of the regions and shows significant differences between summer and autumn ( $p < 0.05$ ). Water content also decreased during the summer and reached to minimum level in autumn, but inversely increase in winter in some localities. The means of water content shows significant differences in Varamin region specially on 2100 and 2000 altitudes.

**Key words:** Sunn pest, *Eurygaster integriceps*, Physiology, Water content, Aestivation, Hibernation

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