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The Changes in Glycogen Levels of *Pimpla turionellae* L. (Hymenoptera: Ichneumonidae) in the Conditions of Starvation, Feeding, Parasitism and Aging

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Abstract: The changes in glycogen levels depending on starvation, feeding, aging and parasitisation in the mature female of *Pimpla turionellae* L. (Hymenoptera: Ichneumonidae), which is a biological control agent, have been observed. Glycogen level, which is a major energy source in insects, increased when the females of *P.turionellae* are fed with 30% honey, but it decreased depending on aging, starvation and parasitism. There was a positive relationship between the glycogen level of an insect and the number of its eggs laid within the host pupae.

Key Words: *Pimpla turionellae* L. Glycogen, Starvation, Feeding, Parasitism, Aging

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