



A microsporidian pathogen of *Crysmela populi* (Coleoptera: Chrysomelidae)

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Abstract: Microsporidia are mostly very small, intracellular parasites reported from major group of animals. Insects are one of the most widespread distributed hosts for these pathogens. The members of this group infecting insects is called as entomopathogenic microsporidia. Many entomopathogenic microsporidia cause chronic infections in insects and their effects appear as reduced fertility and pupal weight, fecundity and shortened longevity. Therefore such infections caused by microsporidia in insects are mostly desirable for biological control. In the present study, a microsporidian pathogen, infecting *Crysmela populi* is recorded from Turkey for the first time. Morphology and infection locality is given with the infection rates. During the study microsporidian infection was observed in one population (Kırşehir) in Turkey. The infection was found in adult. Infection rate was 0.7%. Hemolymph and midgut was the infection site.

Keywords: Microsporidia, Biological control, *Crysmela populi*, Chrysomelidae

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