

Abstracts

Some Results on Low-Level Microwave Treatment of the Mountain Pine Beetle and the Darkling Beetle

H.S. Whitney and M.M.Z. Kharadly. "Some Results on Low-Level Microwave Treatment of the Mountain Pine Beetle and the Darkling Beetle." 1984 Transactions on Microwave Theory and Techniques 32.8 (Aug. 1984 [T-MTT] (Special Issue on Electromagnetic-Wave Interactions with Biological Systems)): 798-803.

Various stages of the mountain pine beetle (*Dendroctonus ponderosae* Hopk.) and pupae of the darkling beetle (*Tenebrio molitor* L.) were treated in waveguide and in "free space" with a wide range of doses of low-level microwave radiation at 10, 35, and 74 GHz. The insects were found to be more resistant to radiation than previously reported in *T. molitor* for similar and weaker doses. It is suggested that this lack of response could be due to different physiological conditions in the *T. molitor* population studied.

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