

Ahmed, M. M., H. M. Hady, M. M. Salama, and S. el Ghazali. 1994. Laboratory study on the molluscicidal effect of Earth Tec: an environmentally responsible copper sulfate product. *J.Egypt.Soc.Parasitol.* 24:317-322.

Abstract: Studies were carried out, under laboratory conditions to evaluate the molluscicidal activity of Earth Tec on *Biomphalaria alexandrina* snails, the intermediate host of *Schistosoma mansoni*. Earth Tec is an environmentally responsible copper sulfate product manufactured and marketed as an algicide/bactericide with an active ingredient form of copper ion (Cu^{++}). A single application, of 1 ppm of copper equivalent, for 24 hours caused 100% mortality rate of the snails. Exposure for 48 hours to 1 ppm and 2 weeks to 0.25 ppm caused mortality rates of 84% and 100% respectively. It was concluded that this chemical compound is a promising molluscicide. Field studies are ongoing and will be published in due time as toxicity for most of the population