

Use of grapefruit seed extract in parasite management: first results of in vitro examination

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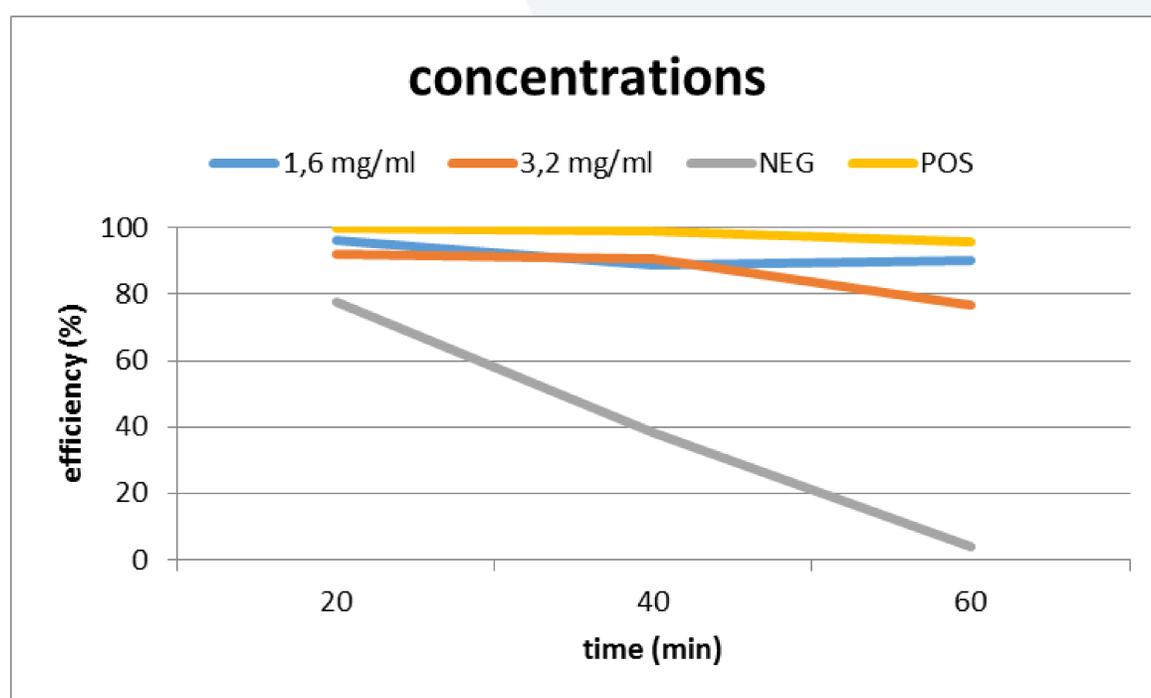
Introduction

The aim of this study was to evaluate the effect of grapefruit seed extract (GSE) on the exsheathment rate of parasitic third larvae in vitro.

Material and Method

Incubation of the III. larvae was carried out with two concentrations of GSE (1,6 mg/ml; 3,2 mg/ml), with tetramisol hydrochlorid as positive control (POS) and water as negativ control (NEG). Exsheathment was counted 20, 40, 60 minutes after starting the exsheathment process.

Results



Conclusions

Although the in vitro examinations in GSE showed comparable results with the POS, further investigations are necessary to verify this effects under agricultural field conditions.