

البحث السابع

العنوان باللغة العربية: تأثير البردقوش كإضافة غذائية علي كفاءة التربيـه في دودة الحرير التوتية

العنوان باللغة الإنجليزية:

Effect of *Majorana hortensis* L. as food additives on the productivity of silkworm, *Bombyx mori* L.

الباحث: Nagat H. Soliman

تاريخ وموضع النشر. Egypt. Acad. J. Biolog. Sci.(A. Entomology) Vol.12(6),2019. الملخص الانجليزي :

Effect of *Majorana hortensis* as food additives on rearing performance of silkworm, *Bombyx mori* L. was studied. Dried shoots of *M. hortensis* were soaked in heated water (60 °C) for ten minutes to prepare different concentrations (0.1, 0.3 and 0.5 mg/ml.). The obtained results showed that, the concentration 0.5mg/ml. of *M. hortensis* occupied the first category. Where 5th larval instar weight recorded 2.089 g comparing to 2.003 g in control, pupal weight recorded 0.739g comparing to 0.692g in control, 5th instar mortality percentages were 5.00% comparing to 7.00% in control, 5th instar larval durations were 9.33 day comparing to 9.54 day in control, cocooning percentages were 96.79% compared to 94.00% in control, silk productivity were 2.058 cg/day comparing to 1.866 cg/day in control, Cocoon indices were 1.255 g, 0.238 g and 18.96% for cocoon, cocoon shell weights and cocoon shell ratio comparing to 1.100 g, 0.188 g and 17.09% for the control, respectively.