

البحث الثامن

العنوان باللغة العربية: تأثير البابونج كإضافة غذائية على إنتاجية دودة الحرير التوتية

العنوان باللغة الإنجليزية:

Effect of *Matricaria recutita* L. as food additives on the productivity
silkworm, *Bombyx mori* L.

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تاريخ وموضع النشر: Fayoum J. Agric. Res.& Dev., Vol. 34, No.1, 2020.

الملخص الانجليزي :

The present work was carried out at Plant Protec. Dept. Fac. of Agric., Fayoum Univ. during spring season of 2019 to study the effect of *Matricaria recutita* as food additives on some characteristics of silkworm, *Bombyx mori* L. Dried flowers of *M. recutita* were crushed and dissolved in distilled water to prepare different concentrations (0.1, 0.2, 0.3 and 0.4 mg/ml.). Results showed that, the larval mortality % of *B. mori* fed on mulberry leaves sprayed with different concentrations of *M. recutita* decreased with increasing each of concentrations and the stages of the larvae. On the contrary, the mean weights of each of the 5th instar larvae and pupae, increased with increasing concentrations with significant differences between treatment and control. For the duration of the 5th instar larvae, statistical analysis proved that there were significant differences between treatments. The means of, cocoon weights, cocoon shell weights and cocoon shell ratio, increased with increasing concentrations. Statistical analysis proved that there were significant differences between 0.4 mg./ml. concentration and each of other concentrations and control.