

Comparative study of the impact of flowers and fruit extract of *Datura metel* and two types of pesticides against of red chicken mites *Dermanyssus gallinae* (Acari: Dermanyssidae)

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Abstract : The effectiveness of flowers and fruits of plant extract *Datura metel* and two types of pesticides, chemical pesticide and herbicide Cypermethrine Deltamethrin were tested against the red chicken mites *Dermanyssus gallinae*. Results of the study have shown that the alcoholic extract of the flowers and fruits of plant *Datura metel* has the effect of low numbers mites rate since the first day of treatment, in the concentrations (5.10 20 mg / ml.), and found increased loss ratio with increasing concentration of extract, and the flowers extract mentioned was more influential than fruit extract concentrations mentioned, and the effectiveness of the alcoholic extract of the flowers and fruits approached effectiveness of the effect of insecticides mentioned.

Keywords: *Datura metel*, red chicken mites *Dermanyssus gallinae*.

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