

البحث الأول (مشترك)

Mahmoud, M.F.R. and Safar, Sherin, H.M. 2013:
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العنوان باللغة الإنجليزية:

**SUSCEPTIBILITY OF *TETRANYCHUS URTICAE* KOCH FOR TWO
DIFFERENT ACARICIDES UNDER LABORATORY AND FIELD CONDITIONS**

الباحثون:

Mahmoud, M.F.R. and Safar, Sherin, H.M.

تاريخ وموضع النشر:

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الملخص الانجليزي :

This study was carried out under the laboratory and field conditions in Fayoum governorate, Egypt to study the susceptibility of *Tetranychus urticae* Koch to two different acaricides for two different acaricides. Spraying of Aakomic 1.8 % EC (abamectin) and Ortus 5 % EC (fenpyroximate) was conducted on bean plants *Phaseolus vulgaris* L. at 0.4 and 0.5, respectively. Laboratory observation showed that there are no significant differences in susceptibility between different stages of *T. urticae* in Aakomic treatment while moving stages were more susceptible than eggs in Ortus treatment. Generally, % reduction of mites increased gradually 3 days after application (78.57%) to reach maximum after 14 days (96.65%) with Ortus. No significant

differences were found in case of Aakomic. Field studies showed similar result in case of Aakomic. However, the adult stage was more susceptible to Ortus compared with eggs, larvae and nymphs. The trend to susceptibility to application in the lab. also occurred in the field.