
	جامعة الفيوم كلية الزراعة قسم وقاية النبات	
Article No.:	Title	
7	Latent effect of some acaricides on biological aspects of the false spider mite, <i>Brevipalpus phoenicis</i> Geijskes (Acari: Tenuipalpidae)	
Authors	El-Khouly, N. M. Plant Protection Dept., Fac. of Agric., Fayoum Univ.	
مكان وسنة النشر	Fayoum journal of agricultural research and development, FJARD VOL. 38, NO. 2. (2024) accepted	
Impact Factor:	Local - (فردى) غير مستخلص من رسالة ومنشور فى مجلة محلية	
<div>ABSTRACT</div> <p>The present study were determined to evaluate the effect of three acaricides named; Ortus super (5%Ec), Vertimec (1.8%Ec) and Delmite (7.5% Sc) on the biological aspects of the false spider mite, <i>Bervipalpus phoenicis</i> Geijskes at laboratory condition (30±1°C) and (70±5% RH) at Fayoum Governorate. The percentage of hatchability, mortalities, the duration of larva, protonymph and deutonymph were recorded under using the three acaricides. Duration of larvae were recorded 1.20, 1.20, 1.20 and 1.28 days at the applications of acaricides (Vertimec, Ortus, Delmite and control; respectively). At the respective application the duration of protonymph and deutonymph were 0.00, 1.10, 0.55& 0.87 days and 0.00, 1.11, 1.12 and 1.96 days). All the individuals were died during the larval stages and failed to reach the nymph, at application of Vertimec. Adults lived for a maximum of 33.14 days at control and a minimum of 4.21 days at Vertemic. Longevity of females were recorded 10.32 and 28.32 days at application of Ortus and Delmite; respectively. Generally, all acaricides were affected on the biological aspects of <i>B. phoenicis</i>. Vertimec (1.8% Ec) was the most effective on all the biological parameters compared with Delmite and Ortus super.</p> <p>Keywords: <i>Brevipalpus phonicis</i>, biological aspects, acaricides.</p>		