

FIRST RECORD OF POMEGRANATE WHITEFLY, *SIPHONINUS PHILLYREAE* (HALIDAY) (HOMOPTERA: ALEYRODIDAE) ON OLIVE IN NORTH SINAI, EGYPT

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The pomegranate whitefly, *Siphoninus phillyrae* (Haliday) (Homoptera: Aleyrodidae), is the main drastic pest of pomegranate in Egypt (Abd-Rabou, 1998). Pomegranate leaves heavily infested with *S. phillyrae* do not cope with requirements for normal fluid transport and proposed photosynthesis. The loss and damage of phloem fluids add a loss of potential productivity and probably contribute to the reported reduction in fruit size (Costacos, 1963).

Abd-Rabou (1997a) in Egypt recorded this species on four host plant species, apple (*Pyrus malus* L.), pear (*Pyrus communis* L.), Quince (*Pyrus cydonia*) and pomegranate (*Punica granatum* L.). While Mound and Halsely (1978) in the world recorded 20 host plant species including olive attacked by this pest.

During December 2002, collected olive leaves heavily infested by whitefly species in El-Arish region (North Sinai) were transferred to the laboratory for identification. Identification followed mounting the specimens through the method of Abd-Rabou, 1997b. Identification started by the key of the economic important whitefly pests of the world by Martin (1978) followed by the key of Egyptian species of whiteflies (Abd-Rabou, 1997b).

Results indicated that the species collected was the pomegranate whitefly, *S. phillyrae*. This is the first record for this pest to represent on olive as a new host plant of *S. phillyrae* in Egypt.

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**تسجيل جديد لذبابة الرمان البيضاء *SIPHONINUS PHILLYREAE*
كأفة علي الزيتون في مصر**

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معهد بحوث وقاية النباتات - مركز البحوث الزراعية - الدقي - جيزة - مصر.

يتضمن هذا العمل تجميع عينات مصابة بالذباب الأبيض علي الزيتون في منطقة العريش محافظة شمال سيناء خلال شهر ديسمبر ٢٠٠٢ وتم تحضير عينات منها لتعريفها باستخدام المفاتيح التصنيفية المتخصصة لتعريف الذباب الأبيض.

أوضح من نتائج التعريف أن هذه الأفة هي ذبابة الرمان البيضاء *Siphoninus phillyreae*. ويعتبر هذا العمل تسجيلاً جديداً لذبابة الرمان البيضاء علي الزيتون في مصر.