

MALE OF *Capitophorus elaeagni* (DEL – GUERCIO) (APHIDIDAE : HOMOPTERA) AS A NEW RECORD IN EGYPT

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ABSTRACT

The Present study recorded the male of the artichoke aphid, *Capitophorus elaeagni*(Del- Guercio) for the first record in Egypt . It was collected under field conditions from the beginning of March till the end of May 2003 on the treasure flowers , *Gazania splendens* at Cairo Governorate . This study included another phenomenon was not mentioned before, where the females laid eggs which neither developed completely nor hatched .

INTRODUCTION

The artichoke aphid , *Capitophorus elaeagni* (Del – Guercio) belongs to Family Aphididae and Order Homoptera. Willcock(1922), collected aphids attacking the globe artichoke, *Cynara scolymus* at Giza Governorate . Theobald (1922), described this aphid species under name *Capitophorus Cynariella* . In Cairo, Hall (1926) , collected aphids from the same host ; he described the apterous and alate forms . He concluded that it was the same as *Capitophorus.bragii* Gillette(a *synonym* to *elaegni*). El – Kady (1959), collected *C.elaegni* specimens from the upper and lower surfaces of artichok leaves, they are typically similar to Hall's types . The aim of this offered work is description the male of the artichoke aphid, *Capitophorus . elaeagni* for the first record in Egypt .

MATERIALS AND METHODS

A large number of aphids were collected in a survey for aphids infesting the treasure flower, *Gazania splendens* from Zohrieh garden, Cairo Governorate .Some specimens of each sample adult aphids were mounted on cardboard points to permit a preliminary identification; the remaining material was preserved in 96% ethyl alcohol for a detailed examination ,specimens were cleared and mounted on glass slides in Swan's gum chloral medium according to the method described by EL –Kady (1959).The aphid species was identified by the Systematic Entomology Laboratory , Taxonomic Service Unit at Maryland University, USA.

RESULTS AND DISCUSSTIONS

The artichoke aphid, *Capitophorus elaeagni* attacks leaves and flowers of the tearsure flower, *Gazania splendens*. This infestation led to driness the leaves and flowers; in addition to the weakens of flower growth, the females of *C . elaeagni* were recorded before on artichoke plant Via light traps (EL –Kady, 1959); the male of *C . elaeagni* is recorded during this present study for the first time in Egypt under field ; also the abdominal appendages are clearly appeared on the first abdominal segment of both males and females. These appendages did not mention in the described females by EL –Kady (1959). The description of male genitalia and abdominal appendages *C . elaeagni* is illustrate in Figs; (1 and 2).

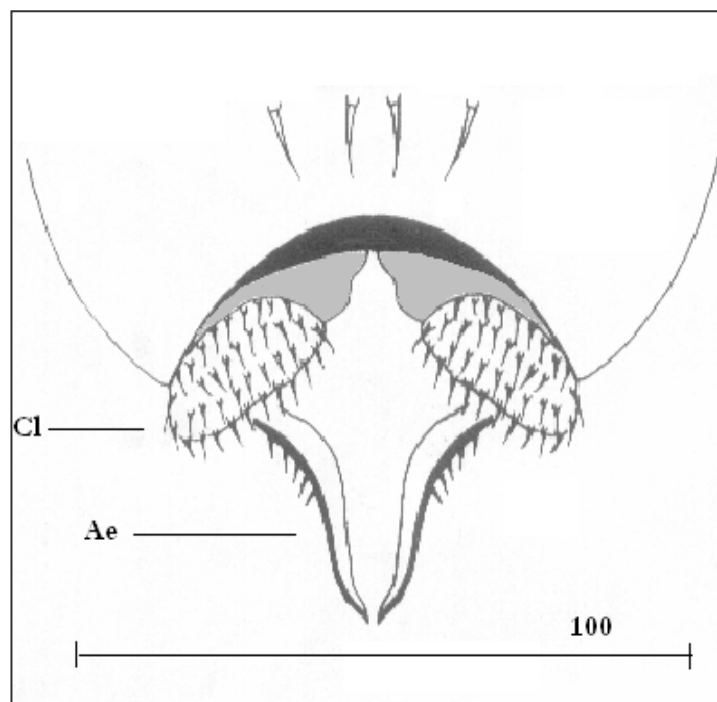


Fig (1) : male genitalia of *Capitophorus elaeagni* (Ae = Aedeagus : cl = clasper)

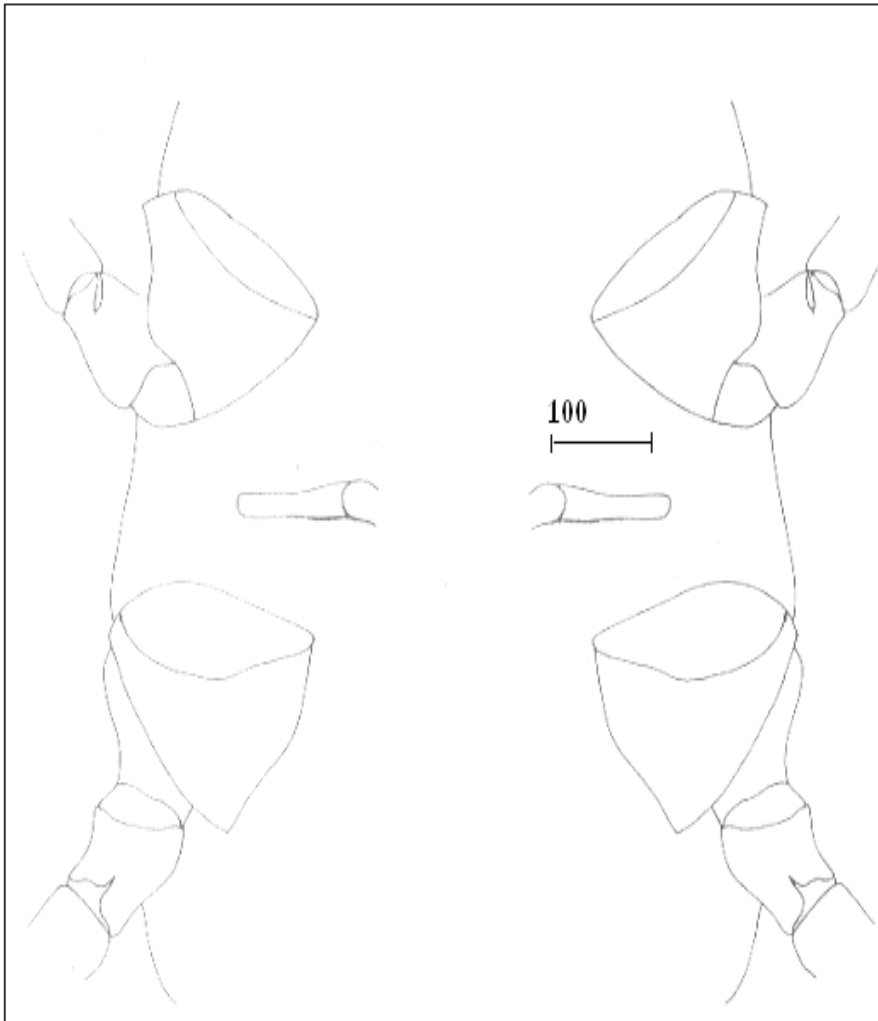


Fig (2) : abdominal appendages of *C. elaeagni*

Conclusion

The male and the non developed eggs of the artichoke aphid , *capitophorus elaeagni* (Del-Guercio) were recoded for the first time in Egypt under field conditions; also the abdominal appendages was described.

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ذكور حشرة من (Del- Guercio) *Capitophorus elaeagni* عائلة

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وجدت ذكور نوع من (Del- Guercio) *Capitophorus elaeagni* لأول مرة في مصر تحت الظروف الحقلية في الفترة من مارس ٢٠٠٣ حتى مايو ٢٠٠٣ على نبات الجازانيا في حديقة الزهرية بمحافظة القاهرة , كما قامت الإناث بوضع بيض غير مكتمل النمو ، وقد تم تدعيم ذلك باللوحات.