



University of Natural Resources and Life Sciences (BOKU) Vienna  
Department of Crop Sciences, Division of Plant Protection

---

**4<sup>th</sup> Symposium on Palaearctic Thysanoptera  
Vienna, Austria, 8<sup>th</sup> – 11<sup>th</sup> September 2014**

---

**ABSTRACTS**

**Editors**

Elisabeth H. KOSCHIER

Barbara EGGER

**Published by:**

University of Natural Resources and Life Sciences (BOKU) Vienna

Department of Crop Sciences

Division of Plant Protection

Peter Jordan-Straße 82, 1190 Vienna, Austria

**ISBN 978-3-900932-19-0**

## Laboratory rearing techniques of *Thrips tabaci* and their evaluation

**Dániel Reiter<sup>1</sup>, Péter Farkas<sup>1</sup>, Annamária Sojnóczki<sup>1</sup>, Kristóf Király<sup>1</sup> and József Fail<sup>1\*</sup>**

1. Department of Entomology, Faculty of Horticultural Science, Corvinus University of Budapest, Villányi út 29-43, Budapest 1118, Hungary

\* Corresponding author: [jozsef.fail@uni-corvinus.hu](mailto:jozsef.fail@uni-corvinus.hu)

**Abstract.** *Thrips tabaci* is an important pest of various crops through the world. It is also a vector of Tomato Spotted Wilt Virus, which can cause serious economical losses in many greenhouses and fields. The rearing of this insect in a laboratory environment is one of the basic keystones in the understanding of its behavior, potential, and its weaknesses. Due to its small size, and the presence of various “types” of *T. tabaci*, it can be rather difficult to make a secure yet cost and time effective way to conduct research with this animal. The aim of this study is to compare, summarize and present the available methods in thrips research. Only focusing on what can be used to rear and conduct treatments with *T. tabaci*. This work aims to have a practical approach, sharing the failures, the successes and the experiences of our group in dealing with this insect.

**Keywords:** *Thrips tabaci*, insect rearing, host plant evaluation.