

OP123
Insects on Lavander in Isparta Province, Turkey

Fulya METİN¹, İsmail KARACA¹

¹Plant Protection Department, Agricultural Faculty, Süleyman Demirel University, 32260,
Isparta, Turkey
ismailkaraca@sdu.edu.tr

Aim of the study: Since time immemorial, people are concerned about perfumed and spicy plants and these plants were utilized in many areas such as cosmetics, flavors, foodstuffs and dyes. Effects on plant diseases and pests of these plant extracts and essential oils derived from plants were studied in detail. The lavender which is one of the aromatic plants, is an important plant for Isparta province and its importance and cultivation area is increasing day by day. But there isn't any study on pests of lavender in Turkey. The aim of this study is identification of insects that cause harm on lavender.

Material and Methods: The insect fauna related with lavender plants. Surveys were performed in 2015 in two locations of Isparta province in Turkey. Insects on lavender plants were sampled by three different methods (sweep net, pitfall and direct plant sampling). All the insects collected on lavender plants in various locations were brought into the laboratory with the help of plastic containers. These insects were sent to authorities for identification.

Results: As a result, that some insects belonging to different orders (Orthoptera, Hemiptera, Coleoptera, Diptera, Lepidoptera, Hymenoptera) were determined. The most common pest species were *Poecilimon glandifer* Karabağ (Orthoptera: Tettigoniidae), *Cercopis vulnerata* Rossi (Hemiptera: Cercopidae), *Lepyronia coleoprata* (L.), *Neophilaenus lineatus* (L.), *Philaenus spumarius* (L.), *Philaenus spumarius* (L.) (Hemiptera: Aphrophoridae), *Atrococcus achillae* (Kiritschenko) (Hemiptera: Pseudococcidae).

Acknowledgements: The authors thank to the Research and Technology Department of Süleyman Demirel University in Isparta, Turkey for financial support for this project (Project number: 4456-YL1-15) and Dr. Ünal Zeybekoğlu who identified the insect species.

Keywords: Aromatic plant, *Lavandula angustifolia*, pests.