Insects trapped by yellow basin on orange tree cultivation at Birtouta station in Algiers (Algeria)

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Introduction

Insects are responsible for crop losses each year due to the damage they cause to plant systems, fruits, and seeds. Their effects are multiplied in tropical and warm temperate zones. Sometimes, crops, or even entire sectors, are wiped out.

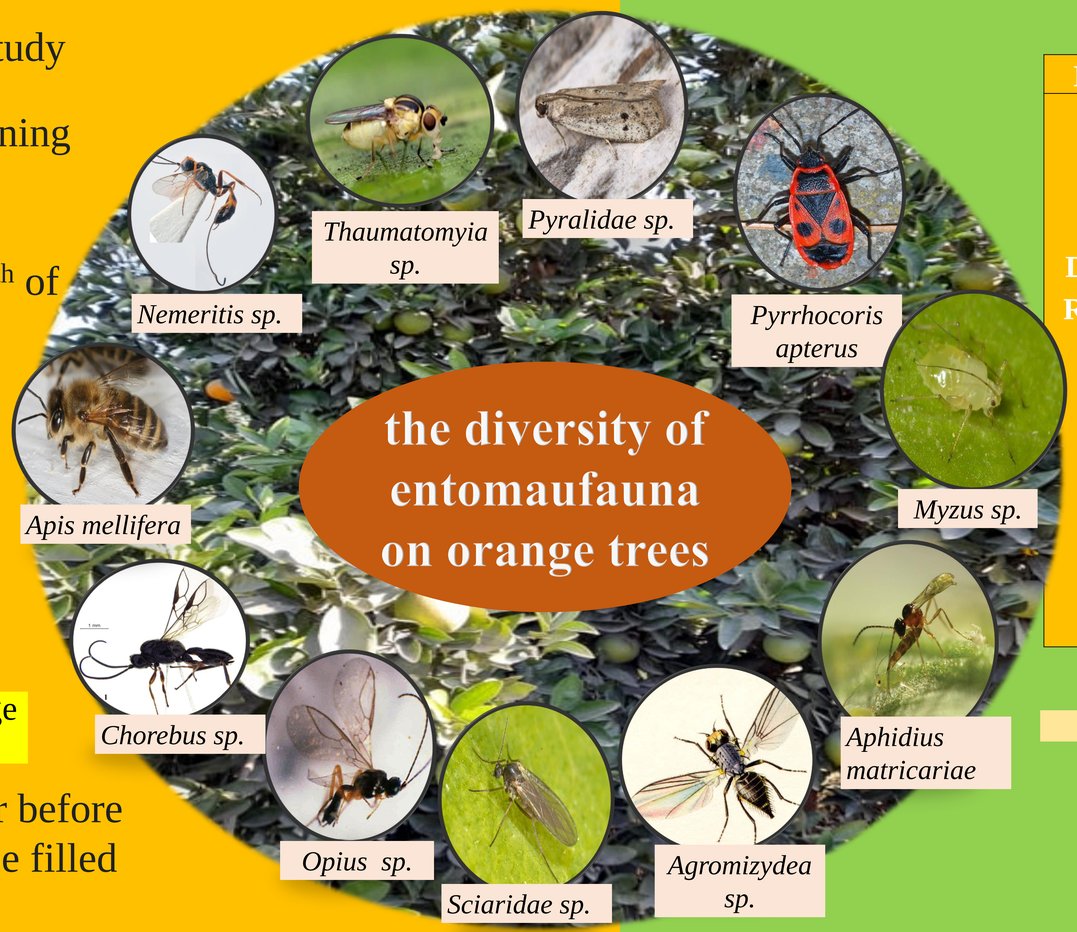
In this work, we chose the citrus orchard at Birtouta station in Algiers-West to establish an inventory of insect species using the "yellow basin" trap.

Method

1- The orange orchard was picked as the study subject.

2- Two lemon-yellow plastic basins containing a soapy solution (**Figure 1**) were placed randomly on the ground in the study area. They are left there for 7 days (From the 8th of October to the 15th of October 2021).

Figure 1: Yellow basin placed under an orange tree (original photo, 2021)



3- All the insects are sorted using a strainer before being transferred and put into a sample tube filled with ethanol 70%.

4- The sorted species were transferred to the laboratory to be observed and identified under a stereo microscope.

5- It should be pointed out that the identification was carried out by Dr. Sahraoui at the National School of Agronomy, El-Harrach-Algiers. (ENSA).

Result

Date & Region	Culture	Trap	species	ni
Dep :08/10/2021 Rec : 15/10/2021 Birtouta	Orange	Yellow basin1	*Apis mellifera*	1
			Pyralidae sp	1
			Chorebus sp	7
			Opius sp	2
			Thaumatomyia sp	24
			Sciaridae sp	3
			Agromizydea sp	4
			Aphidius matricariae	1
			Myzus persicae	2
		Yellow basin 2	*Pyrrhocoris apterus*	1
			Nemeritis sp	1

Table: Identified insects in the orange orchard.