

## Night-active aphid parasitoids (Hymenoptera: Aphidiidae) from Bulgaria

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**Abstract.** Seven species of Aphidiidae (Hymenoptera) are collected with light trap. The trap was situated in Parvenets Village (Plovdiv District, Bulgaria) near by crops.

**Key words:** *Aphidiidae*, Bulgaria, parasitoid.

**Introduction.** The family *Aphidiidae* includes more than 55 genera and about 400 known species (Stary 1988). Sixty three species from twenty one genera are known to the fauna of Bulgaria (Todorov 2008).

**Material and methods.** The light trap was situated in Parvenets Village (Plovdiv District) near by crops. The trap (Fig. 1) collected materials in the period 01.05-01.09.2004. The electric lamp of the trap was 75 W. It worked every night between 20.00-08.00 h.

The materials were collected every 15 days. Insects were captured with exhauster and put in to plastic boxes. The killing of parasitoids was conducted with the means of ethylacetate.



**Fig. 1.** Light trap.

### Faunistic list.

*Ephedrus cerasicola* (Stary, 1962): 11.06-07.07.2004, 1♀

*Ephedrus sp.*: 15.07-07.08.2004, 1♀

*Diaeretiella rapae* (M'Intosh, 1855): 11.06-07.07.2004, 1♀

*Aphidius ervi* (Haliday, 1834): 11.06-07.07.2004, 1♀

*Praon volucre* (Haliday, 1833): 07.07-05.08.2004, 1♀

***Aphidius sp.***: 07.07-05.08.2004, 1♀

***Praon sp.***: 07.07-05.08.2004, 4♀.

### Discussion

This is the first study of night activity of aphidiids in Europe. All collected specimens were found in the periods between July to August, when the air temperature during the night is higher.

### References

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