

Phyllonorycter sublautella (STAINTON, 1869) (Lepidoptera: Gracillariidae) Determined by Pheromone Traps in Bulgaria

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Abstract: By screening of six synthetic lepidopteran sex attractants in Evskinograd Park, Varna, in 1997, mainly targeted to *Phyllonorycter platani*, numerous *P. sublautella* males were caught in traps baited with Z10-tetradecenyl acetate. This is the first detailed report about the occurrence of this species in Bulgaria and the first report for Northern Bulgaria. Three other lepidopteran species were also caught in sufficient numbers: *P. pyrifoliella* - in traps baited with E10-12Ac, *P. platani* - mainly in traps baited with Z10-14Ac, and the tortricid *Ryacionia buoliana* - in traps baited with E9-12Ac. The huge amount of males of *P. sublautella* caught in traps baited with Z10-14 Ac in our field tests and the lack of catches in the other traps including the control ones, indicates that the latter compound is a very potent sex attractant for this species, which is reported for the first time here. Flight of *P. sublautella* was found for the whole period of our observations, i.e. June 20 – July 14. Quite a clear peak of catches was found between June 26 and July 4. Only very few catches after July 14 indicated that the end of the flight of the generation monitored (more probably second (first summer generation)) is the middle of July.

Key words: lepidopteran sex attractants, *Phyllonorycter sublautella*, Z10-tetradecenyl acetate