

Pine beauty - *Panolis flammea* L.

The wingspan of the moth is 30-35 mm. The forewings are vivid reddish brown. The reniform and orbicular stigmata are conspicuous, the claviform stigma is missing. The hindwings are brownish grey.

The host plants of the larva include firs (*Pinus silvestris*, *P. nigra*, etc.), *Larix* and *Abies*, but the caterpillars can develop also on deciduous trees, like oaks and birches. In Central Europe the pest attacks mainly the homogeneous *Pinus* plantations on sandy soil.

Damage: the young caterpillars feed on fresh needles. As a result shoots coming out in May can wither. Later old needles are also damaged, starting from above towards the basal part. The damaged needles are left on the shoot. Damages spread from the outside to the inside of the canopy. Caterpillars are also predatory, they can devour their smaller comrades.

The CSALOMON® pheromone trap should be suspended at a height of 1.0 - 1.5 m in the canopy, where it cannot be "twisted" by strong winds. Usual beginning of trapping in Hungary is middle of March.

Selectivity of the CSALOMON® trap (based on tests performed in Hungary): during the usual flight period of *P. flammea* no moth species similar in look are captured.



The moth, which is captured in the trap



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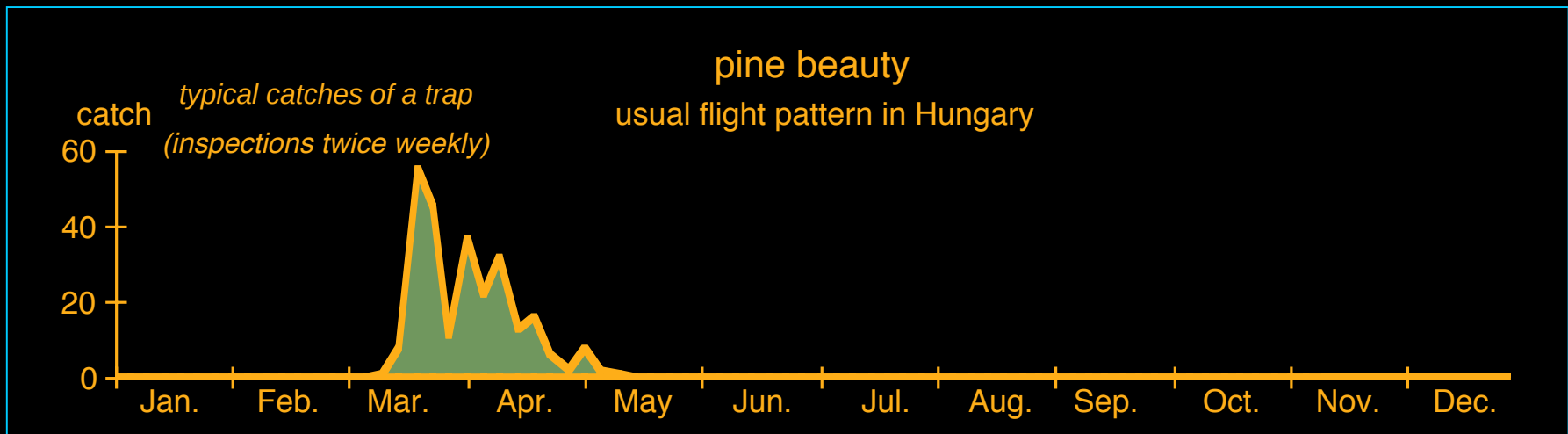
The larva and its damage, which should be averted

Longevity of the CSALOMON® trap in field conditions: depending on the warmth of the weather at least 6-8 weeks. This is usually enough to cover all the flight period of *P. flammea*.

Renewal of sticky inserts in intervals of 7-10 days. In case of high catches this may become necessary more often.

The CSALOMON® pheromone traps can be used for detecting the occurrence and for monitoring the flight pattern of the pest. Several papers deal with pheromonal monitoring of *P. flammée* in the literature.[1]

[1] Austara O. *Faun. Norv. Nor. J. Entomol. Ser. B.* 1982, 29, 105-109; Bradshaw J.W.S. és mtsi. *J. Chem. Ecol.* 1989, 15, 2485-2494; Knauf W. és mtsi., *Z. Angew. Entomol.* 1979, 88, 307-312; Priesner E. és Schroth M., *Z. Naturforsch.* 1983, 38c, 870-873; Wainhouse D. és Jukes M.R. *BULLETIN OF ENTOMOLOGICAL RESEARCH*, 1997, 87: 95-99;



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Photo: Nagy Z. L.

So it looks when caught in the CSALOMON® RAG trap!