

## Poplar hornet clearwing - *Aegeria apiformis* Clerck.

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The wingspan of the moth is 30-40 mm. It is usual among clearwing species that a great part of the surface of their elongated wings is transparent, without scales, so that they resemble a wasp. The wings of the poplar hornet clearwing are margined by brown scales, its body is black with broad yellow rings on the abdomen. The moth at first sight seems to be similar to the European hornet wasp. Specimens with all-black abdomens are also common.

The host plants of the caterpillar are: poplars (all species present in Hungary), less frequently willows, linden, ash or birch. **Damage:** The caterpillars bore galleries below the bark of the trunk, close to the soil. In poplar nurseries it is the main pest of older mother-stock, damaging the parts close to the roots. As a result the mother-stock can die out. Main damages can be expected in 4-year old stocks. The caterpillars develop for 2 years (Hungary).



*The moth, which is captured in the trap*



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*The damage of the larva, which should be averted*

The pheromone traps should be suspended at a height of 0.5 – 1.0 m, in the vicinity of the trunks of trees. Usual beginning of trapping in Hungary is end of May

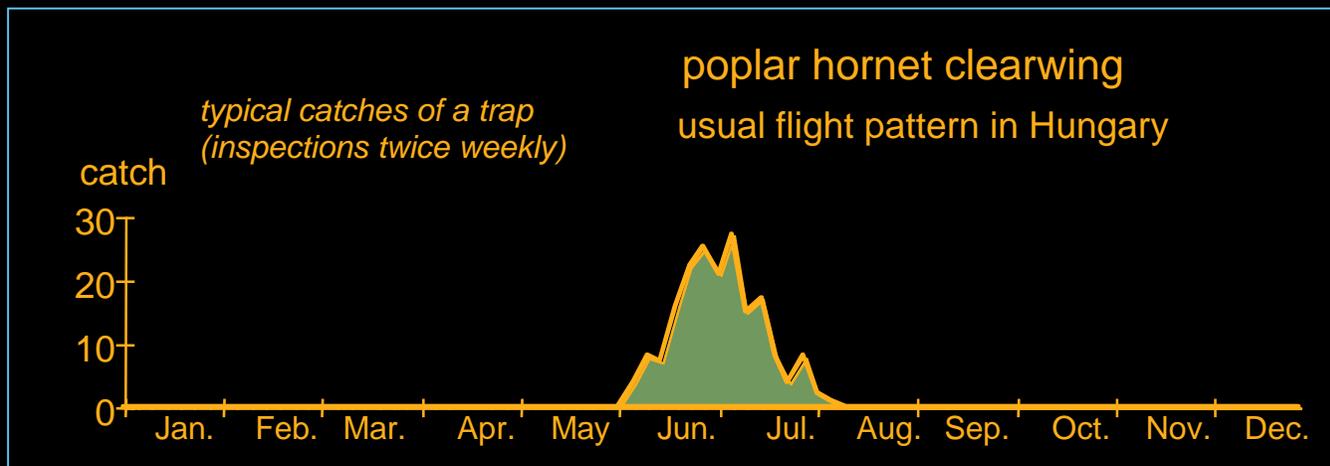
Selectivity of the CSALOMON® trap (based on tests performed in Hungary): The trap is highly selective – no other moth species has been recorded to be attracted.

A CSALOMON® pheromone trap starts slowly to decrease its attractive activity after 4-6 weeks of field exposure (depending on actual weather conditions). After this period it is advisable to set up a new trap for reliable detection and monitoring.

Trap design recommended: for the capture of the poplar hornet clearwing the VARL+ funnel trap design proved to be most efficient.

Pheromone traps are excellent for detection and for the monitoring of the flight pattern of the poplar hornet moth. When the traps indicate the presence of many poplar hornet clearwings, it may be advisable to treat the wounds of the trees with a mixture of the oil AGROL PLUS and 1% Decis 2,5EC<sup>[1]</sup>, similarly to the treatment against the apple clearwing moth (*Synanthedon myopaeformis*). Other chemical treatments appear to be worthwhile only at very heavy infestations<sup>[2]</sup>.

<sup>[1]</sup> Le Duc Khanh et al., *Növényvédelem*, 30:219-224, 1994. <sup>[2]</sup> Szontágh, *Erdész. Kutatások* 61:257-275, 1965.



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**To order / to inquire:** MTA ATK Növényvédelmi Intézet (Plant Prot. Inst. MTA ATK) Budapest, Pf 102, H-1525, Hungary; phone. +(36-1)-391-8637, +(36)-30-9824999; fax +(36-1)-3918655; e-mail: <csalomon.orders@julia-nki.hu> or <h2371tot@ella.hu>; internet: <<http://www.julia-nki.hu/traps/>>.



*Aegeria apiformis*

So it looks when caught in the CSALOMON® VARL+ trap!