

## Large clouded knot-horn - *Homoeosoma nebulellum* Den. & Schiff.

The length of the body of the moth is 10-12 mm, its wingspan is 22-26 mm. Basic colour of the forewings is greyish white, with some brown hues, with four well visible black dots. The upper margin is white. The hindwings are whitish transparent .

Host plant of the larva in Hungary: sunflower, Michaelmas daisy, other compositae, i.e. *Cirsium*, *Centaurea*, etc. **Damages:** part of or the whole flower is covered by webbing, containing faeces of the larvae.

The caterpillars cause damage to different parts of the flower and the seeds. Larval damage can open the door to fungal infections.

The pheromone trap should be placed as close as possible to the flowerhead of sunflowers. Earlier in the season it should be placed at the height of the vegetation. Usual beginning of trapping in Hungary: early May.



ipmworld.umn.edu

*The moth, which is captured in the trap*

Selectivity of the CSALOMON<sup>®</sup> trap based on experiments performed in Hungary: occasionally some specimens of the noctuid *Helicoverpa armigera* can be caught. This is much larger than *H. nebulellum* and can easily be told apart from the latter.



lamar.colostate.edu

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

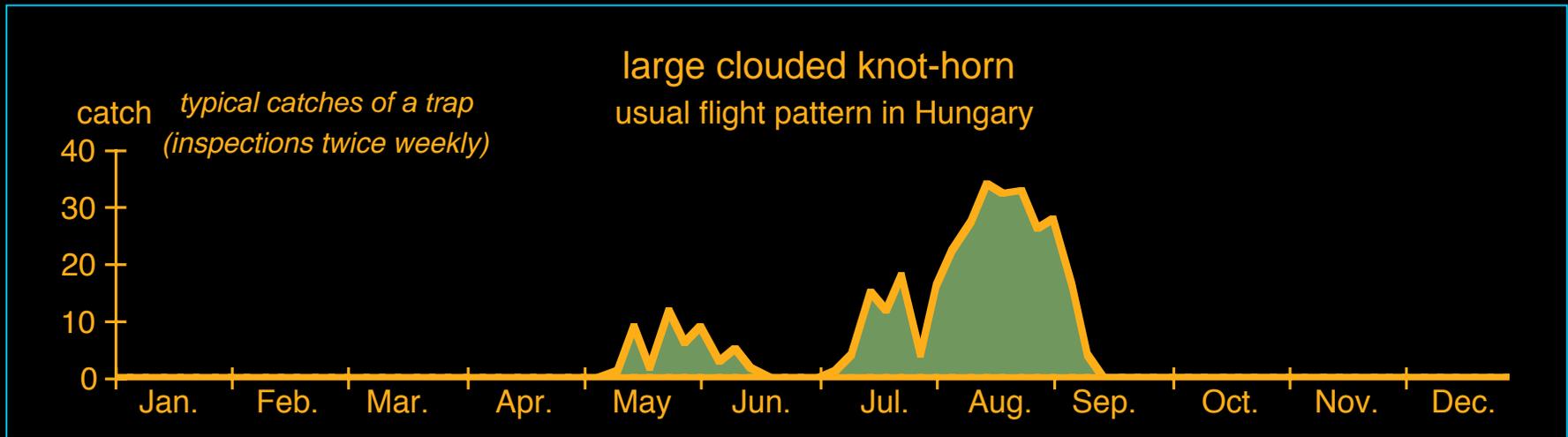
Longevity of the CSALOMON<sup>®</sup> trap in field conditions: the bait can start to lose activity (as compared to fresh baits) after 4-6 weeks of exposure depending on weather conditions. After this time we suggest to replace the trap for most accurate detection and monitoring. Replacement of sticky insert as needed, usually at 7-10 days' intervals (in case of high catches may become necessary more often).

The CSALOMON<sup>®</sup> pheromone traps can be used for the detection of the occurrence of the pest and for monitoring the flight pattern.

If weather conditions are favourable for the pest several flights can take place within one year.

The bait was developed based on the work by French scientists[1] so this combination of components seems to be attractive to *H. nebulellum* populations in at least two areas of Europe, France and Hungary.

[1] Zagatti et al., *J.Chem.Ecol.* 17:1399 (1991)



is a registered trademark of the Plant Protection Institute, MTA ATK, Budapest, Hungary.

**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/>>.



Photo: Nagy Z. L.

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