

How to use? The [CSALOMON® VARb3z](#) trap, with lure of flower scarab (*Oxythyrea funesta*) and Middle-east flower scarab (*O. cinctella*)

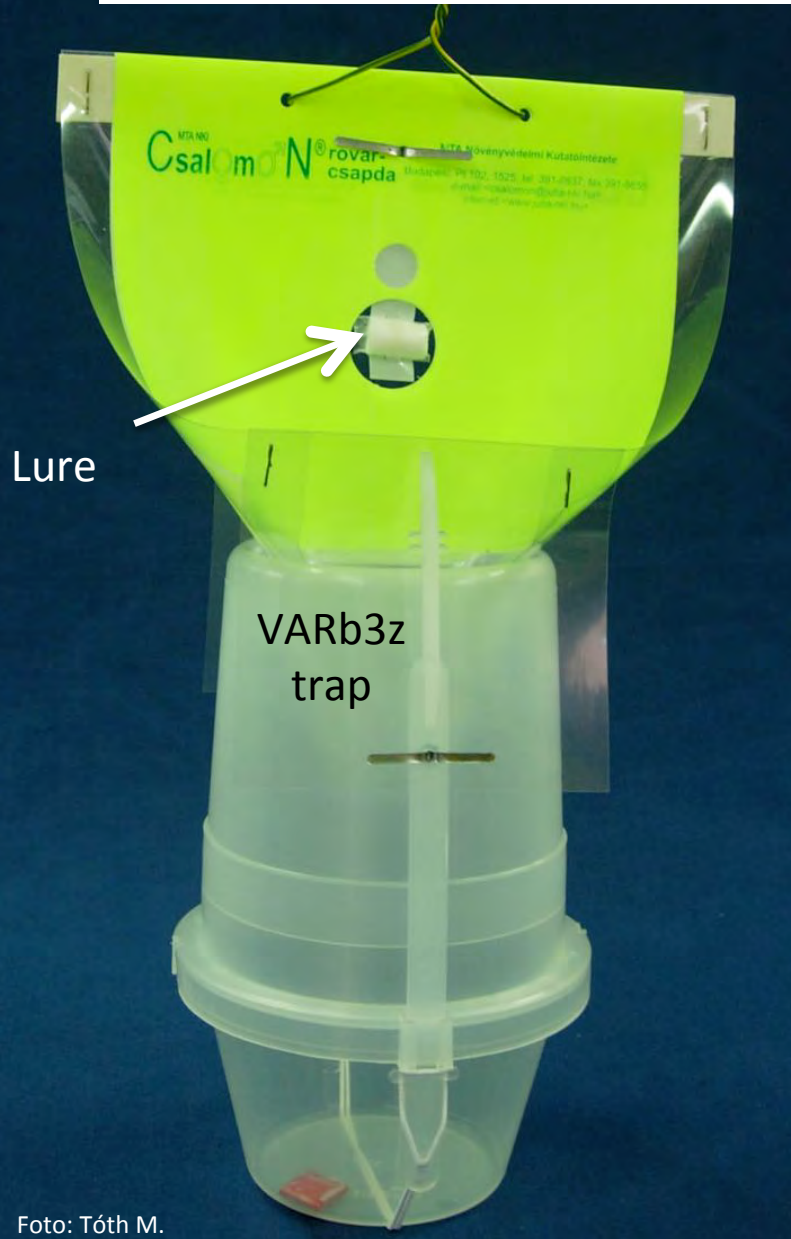


Foto: Tóth M.



flower scarab
(*Oxythyrea funesta*)



Middle-east flower scarab
(*Oxythyrea cinctella*)

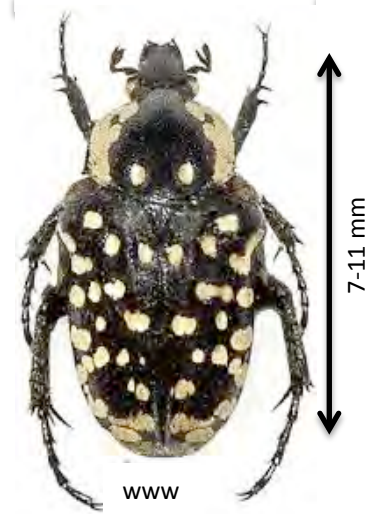
Both scarabs can be captured with the same lure and trap! The lure is a food attractant (NOT a pheromone), therefore it attracts both **females** and males.

The optimal visual cue is **greenish yellow**, its presence enhances attractancy of the lure resulting in much larger catches!

The VARb3z trap with lure can be applied: to follow the spread into new areas, to detect beginning of flight and to follow seasonal occurrence, to time control measures (if necessary) and through mass trapping to **decrease the damage**.

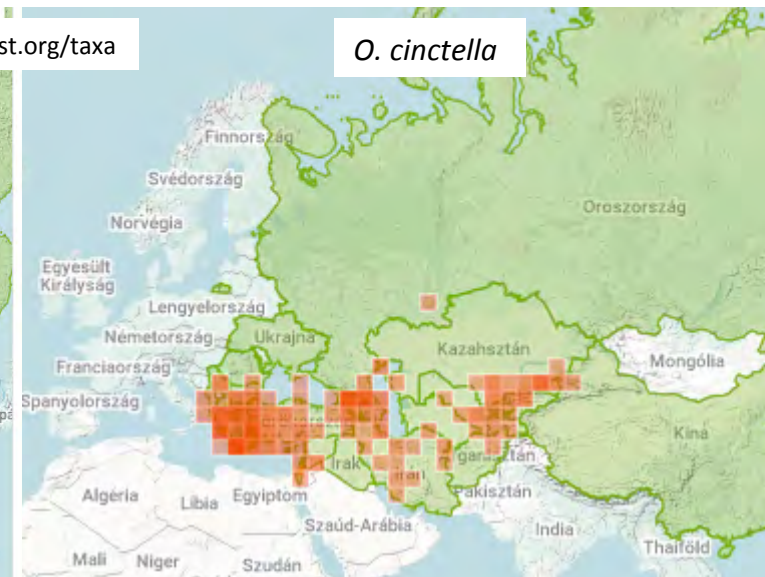
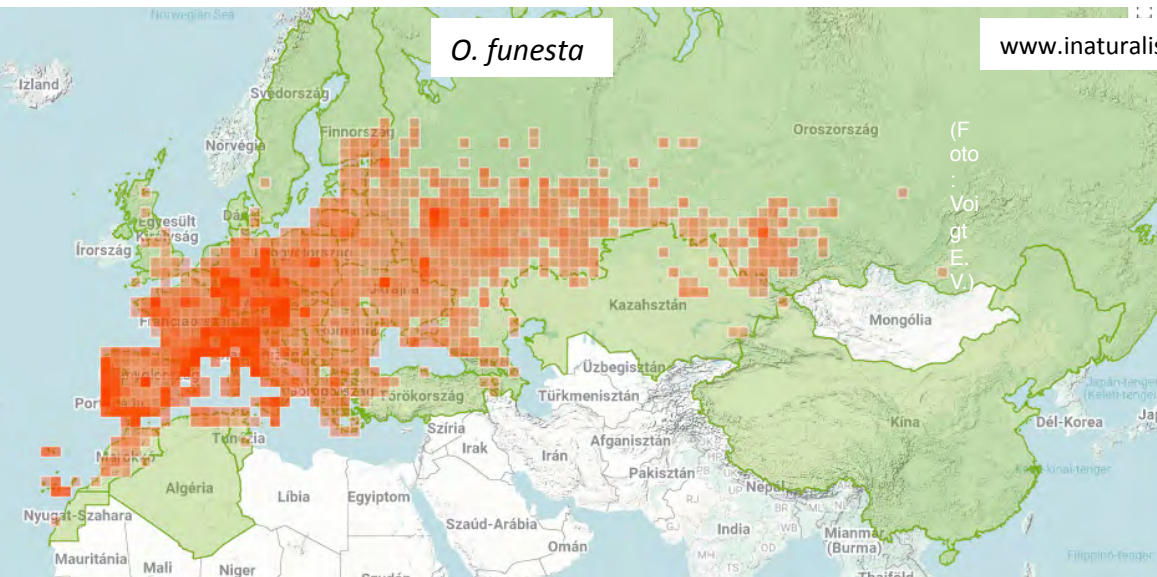
The flower scarab (*Oxythyrea funesta*) and the Middle-east flower scarab (*O. cinctella*)

These two flower scarabs are similar in shape, size and colouring, telling them apart is a task for the expert. Their life habits, damages, etc. are also very similar.



Middle-east flower scarab (*O. cinctella*)

These flower scarabs damage most frequently buds and flowers of ornamentals (*Rosa*, *Paeonia*, etc.), damage on fruit trees or berries is rare. Attacked flowers of ornamentals will be distorted, rendering them **non-marketable**.

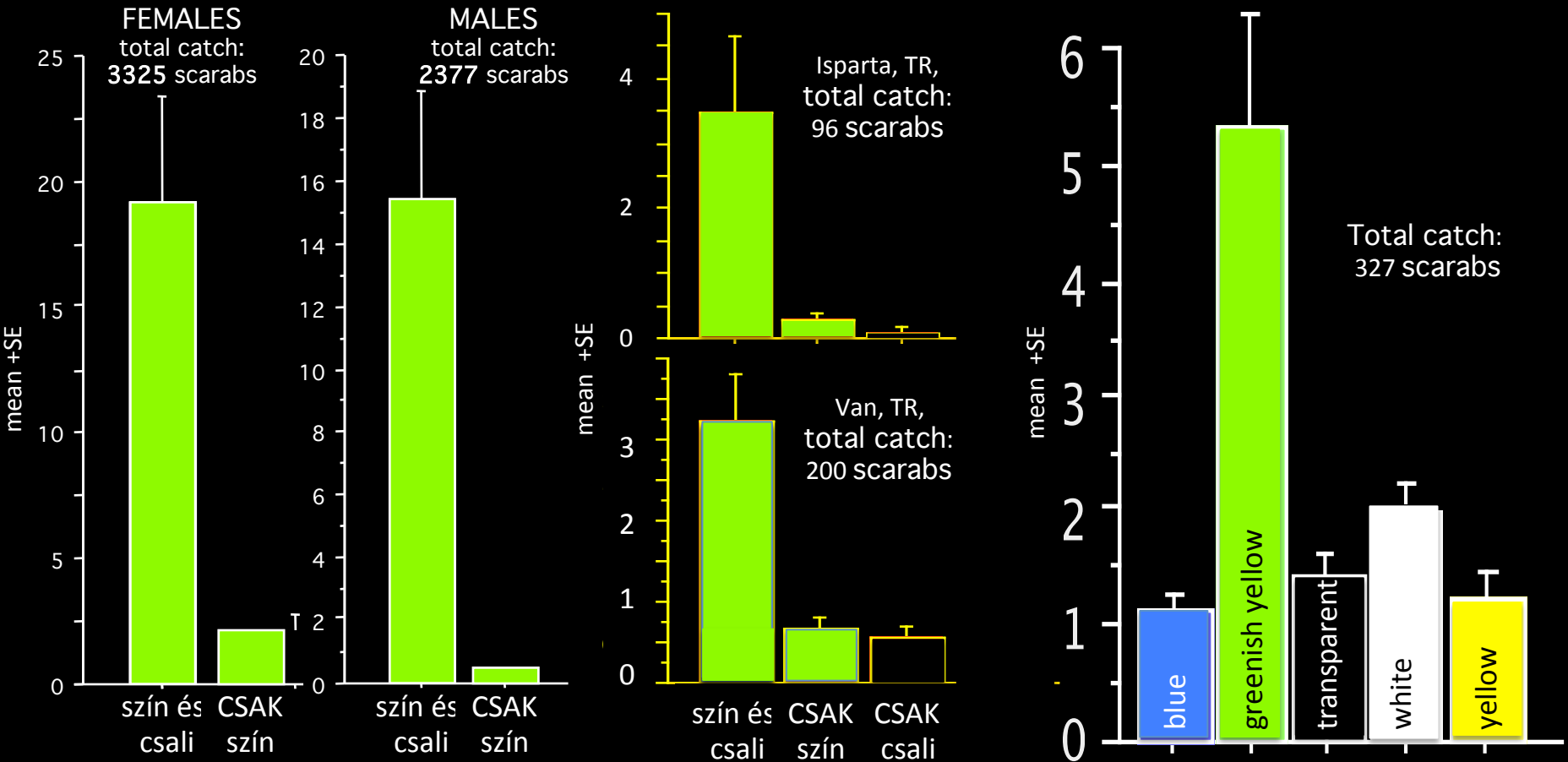


O. funesta is widespread in most of Europe. Its presence is reported also in North Africa and Central Asia.

O. cinctella is present in the Balkans and the Middle-East, but can be found also in some Central Asian countries.

Importance of the **greenish yellow** visual cue:

Oxythyrea scarabs are active during sunshine hours, and are sensitive to some bright colours. Catches with the lure are most increased by the presence of **greenish yellow** (*O.funesta*) colour cue. Therefore the collection funnels of VARb3z traps are greenish yellow. Such traps with lure proved to be excellent also for trapping of the close relative *O. cinctella*!



Catches of females and males of *O. funesta* scarabs in VARb3z traps with or without lure.

Telki, Hungary (2007). After:

[IOBC/WPRS Conference, Bursa, Turkey 2012](#)

Catches of *O. cinctella* scarabs in greenish yellow or transparent traps in Turkey (2010). After:

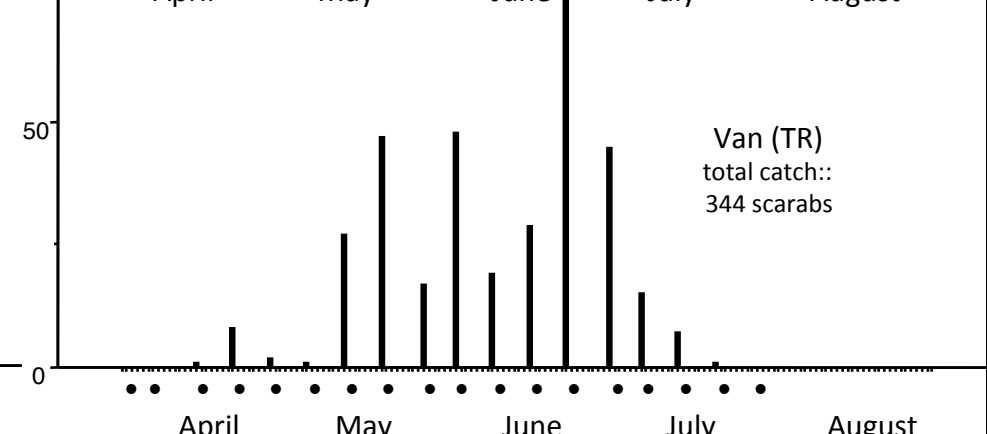
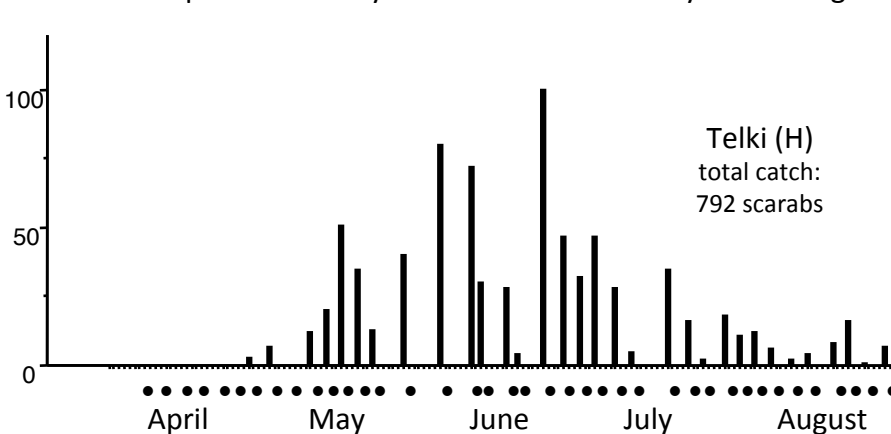
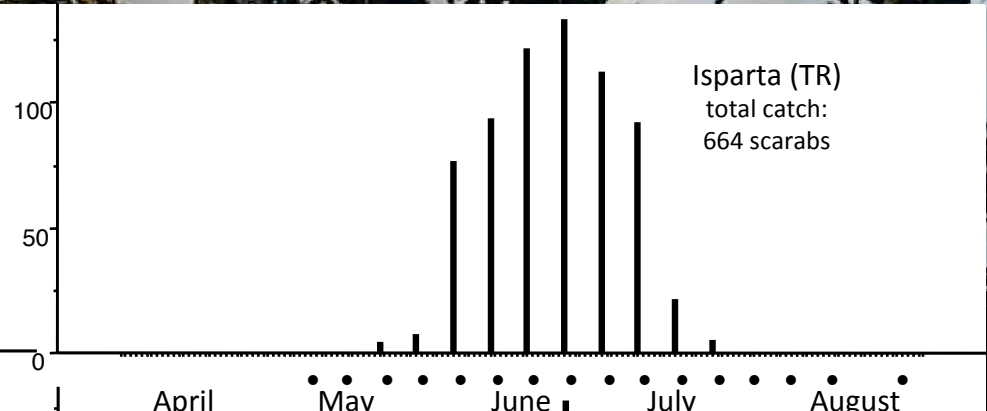
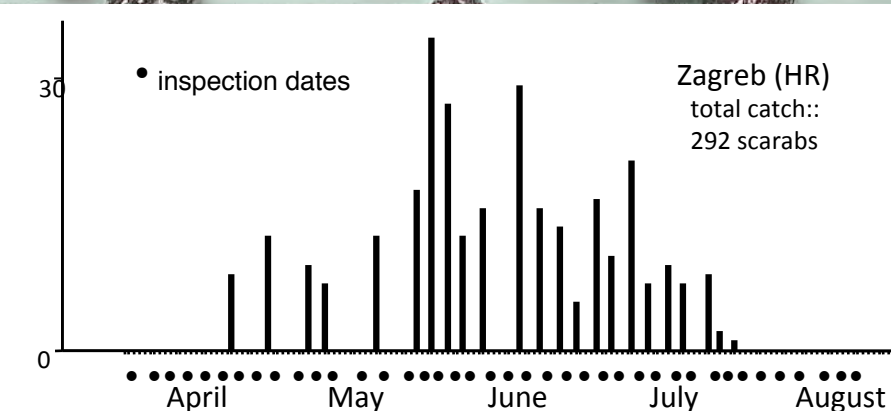
[IOBC/WPRS Conference, Bursa, Turkey 2012.](#)

Catches of *O. funesta* scarabs in traps of various colours. Telki, Hungary (2003). After:

[XV. Keszthelyi Növényvédelmi Fórum, 2005.](#)

Seasonal occurrence of *Oxythyrea* scarabs, flight patterns:

O. funesta flies later than the blossom feeder scarab (*Epicometis hirta*), in Central Europe mainly in **June-July**. The flight of *O. cinctella* takes place roughly in the same period, but this is influenced among others also by local conditions.



Flight pattern of *O. funesta* scarabs in Central Europe (After: [IOBC/WPRS Conference, Bursa, Turkey 2012](#))

Flight pattern of *O. cinctella* scarabs in Turkey (After: [IOBC/WPRS Conference, Bursa, Turkey 2012](#))

Mass trapping of scarabs, to **decrease damage**:

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+36-30-982-4999, order@csalomon.hu
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Assistance in preparing this advisory leaflet is deeply
acknowledged to M. Tóth and E. Voigt.

In contrast to the widespread sex pheromone traps of moths (codling moth, plum moth, etc.) which are suitable only for detection and monitoring, these two scarab pests can be **mass trapped** with the VARb3z trap containing lure, and the **damage** can be **decreased**, since in this case we trap the adults, immediately the damage-causing life stage.



VARb3z in the field



From: [REDACTED]@csalomontraps.com>
Date: Wed, 1 Jun 2011 02:45:07 -0400
To: Csalomon ORDERS <csalomon.orders@julia-nki.hu>
Subject: Re: Traps are on the way!
Dear Dr. Csonka:
I am writing to you with the delightful news that we had marvelous roses this year, based on your fantastic traps!!!!!!
The minute we place them into the flower bed, the "monsters" came like crazy.
Thank you so much for helping us out !!!!!

Letter from a customer in Italy, who performed mass trapping:
the letter and the photos sent speak for themselves!