

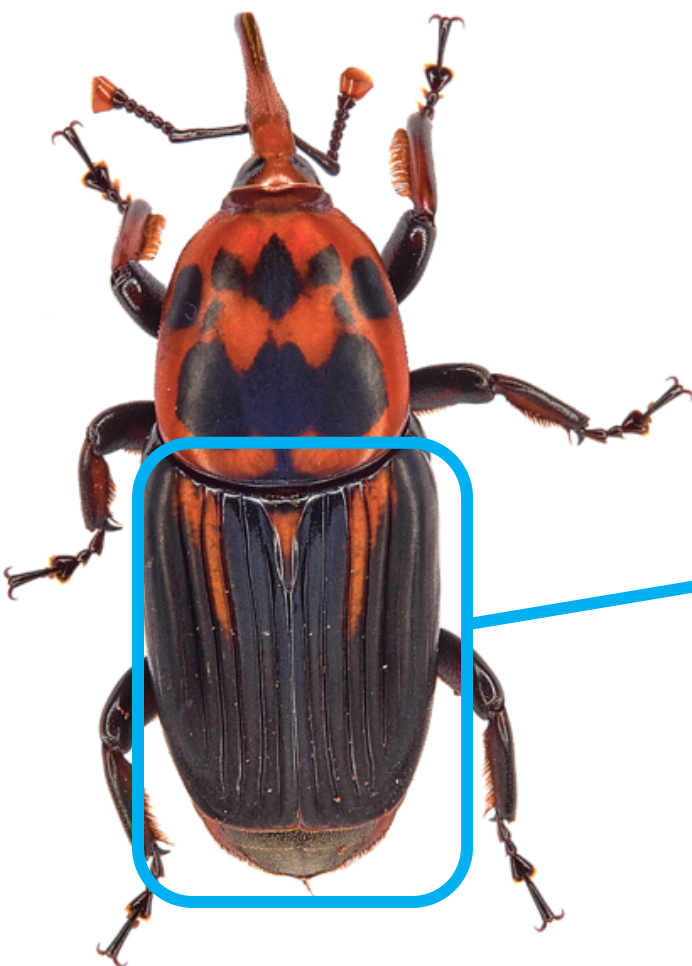
The RPW as vector of Bacteria, Fungi and Acari

Porcelli F.^{1,4,5}, Scrascia M.², Pazzani C.², Pollastro S.¹, Di Palma A.³, Russo V.⁴, Roberto R.¹,
Salerno M.¹, Valentini F.⁴, Djelouah K.⁴

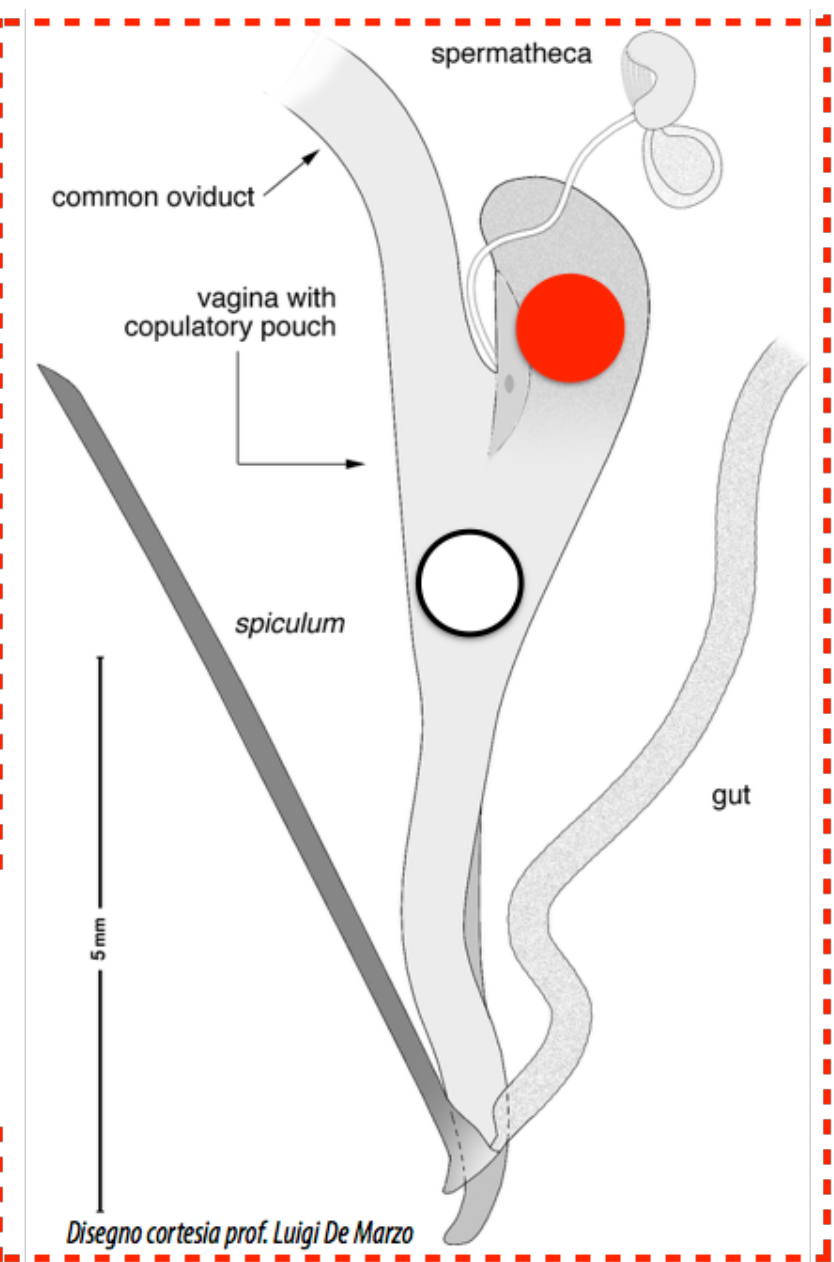
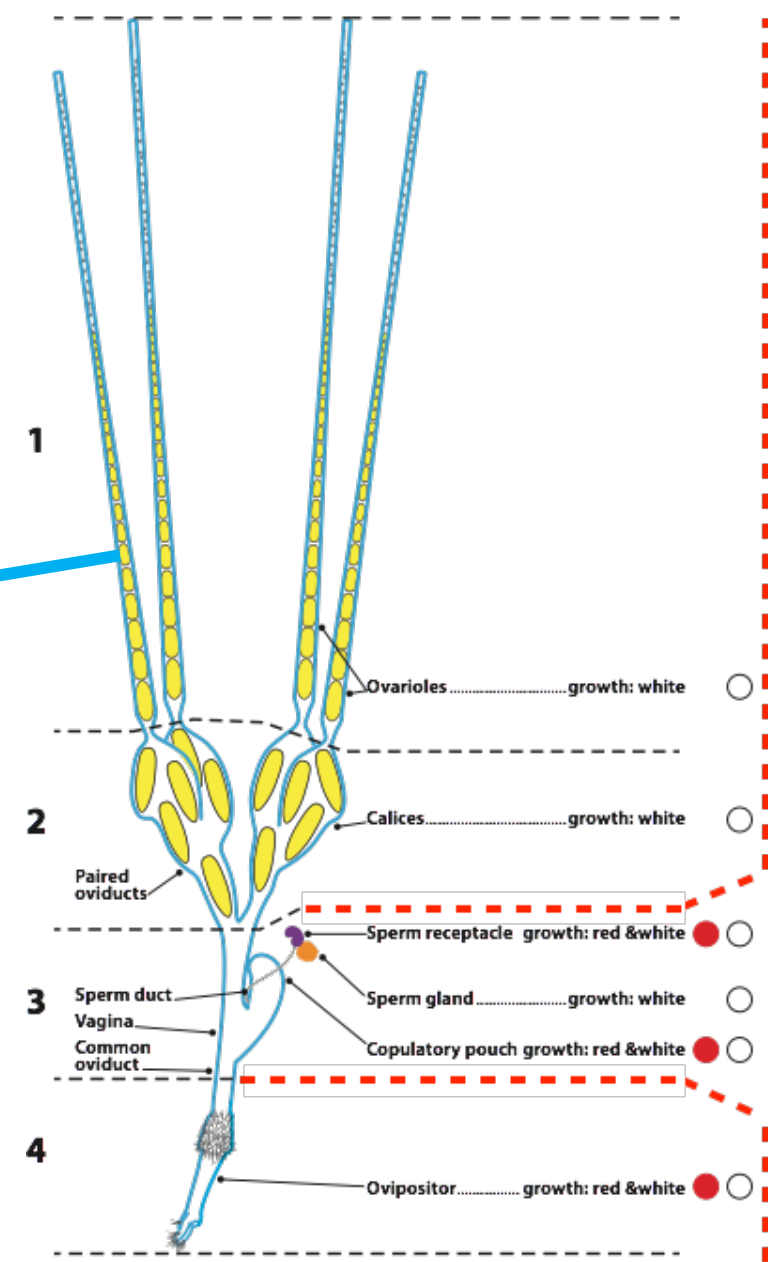
1 DiSSPA UNIBA Aldo Moro, 2 Dipartimento di Biologia UNIBA Aldo Moro; 3 Dipartimento di Scienze Agrarie, degli Alimenti e dell'Ambiente UNIFG, 4
CIHEAM-IAMB, 5 CNR-IPSP Bari



The Scientific Consultation and High-Level Meeting on Red Palm Weevil Management - Rome, Italy, 29-31 March, 2017

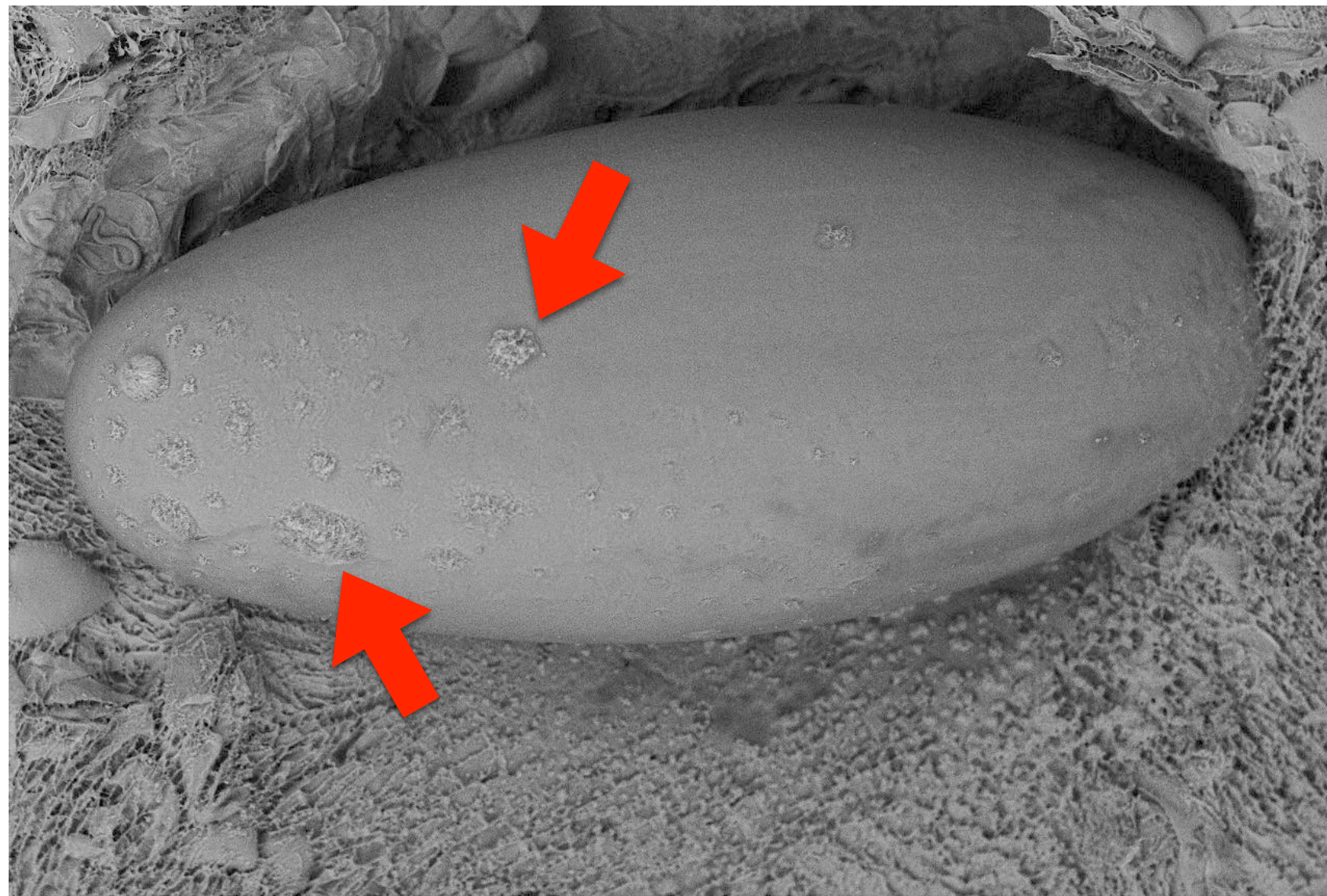


Co-introduction of new bacterial species or strains in invaded territories (yes, I know: it is a male!)



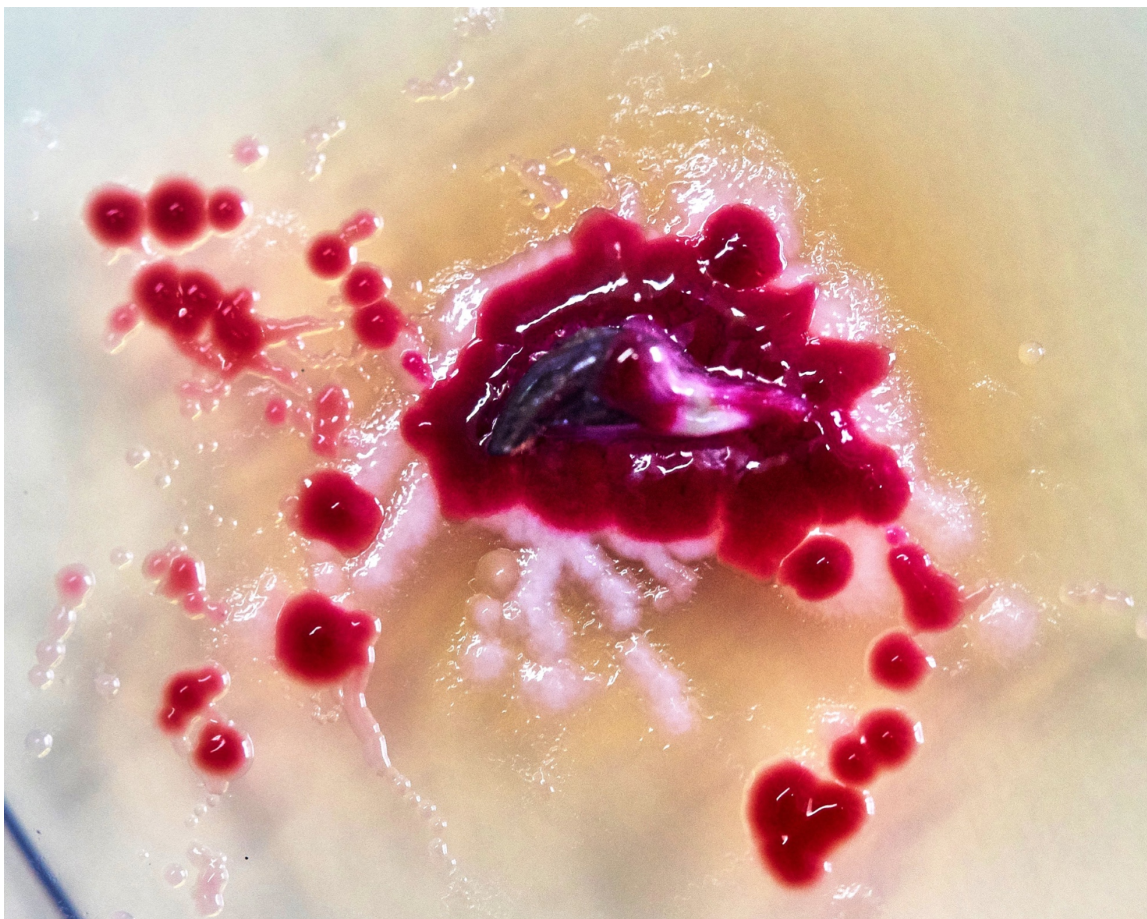
Disegno cortesia prof. Luigi De Marzo

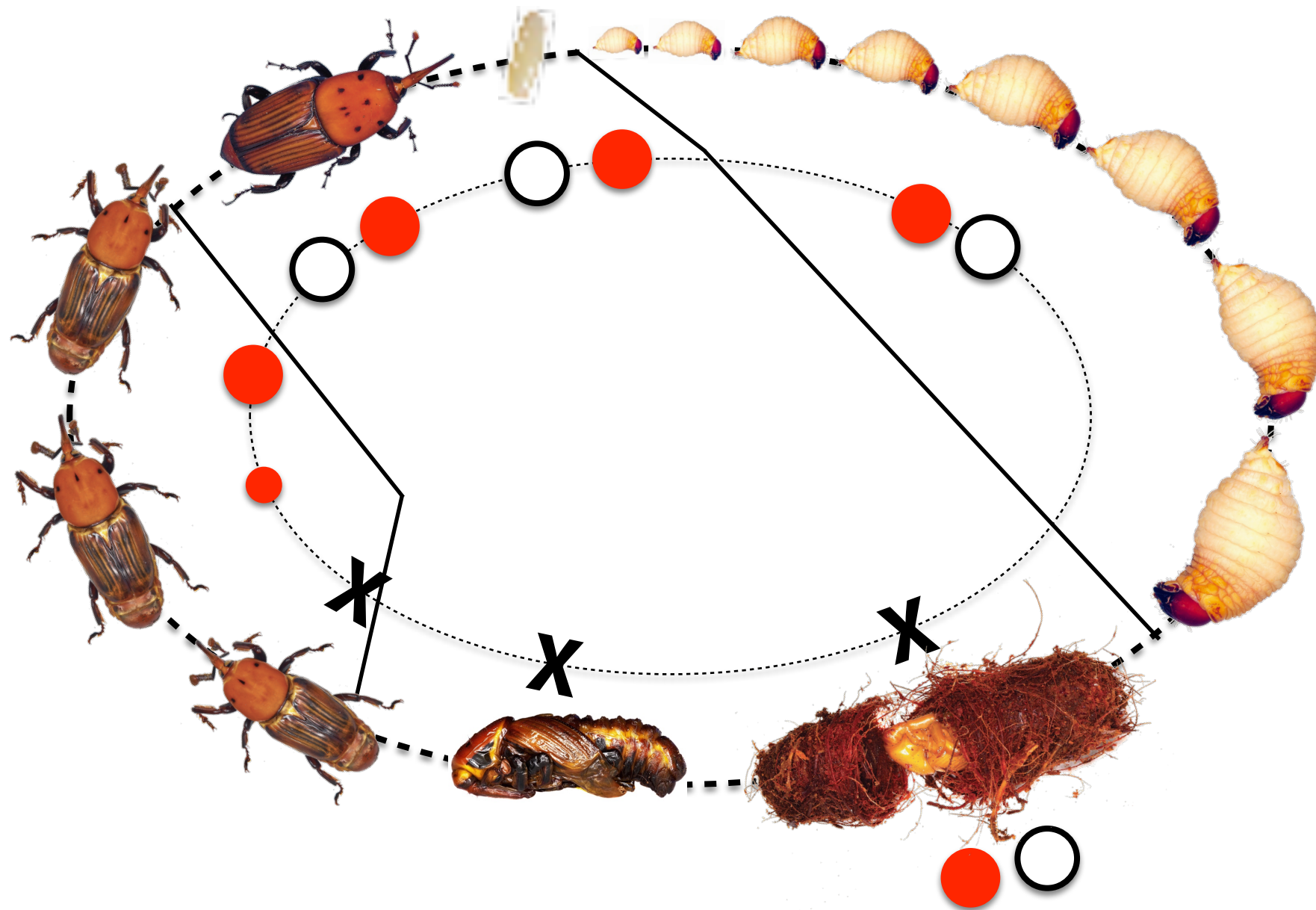
Red arrows
point on
microorganisms
suspension that
contaminate the
egg.



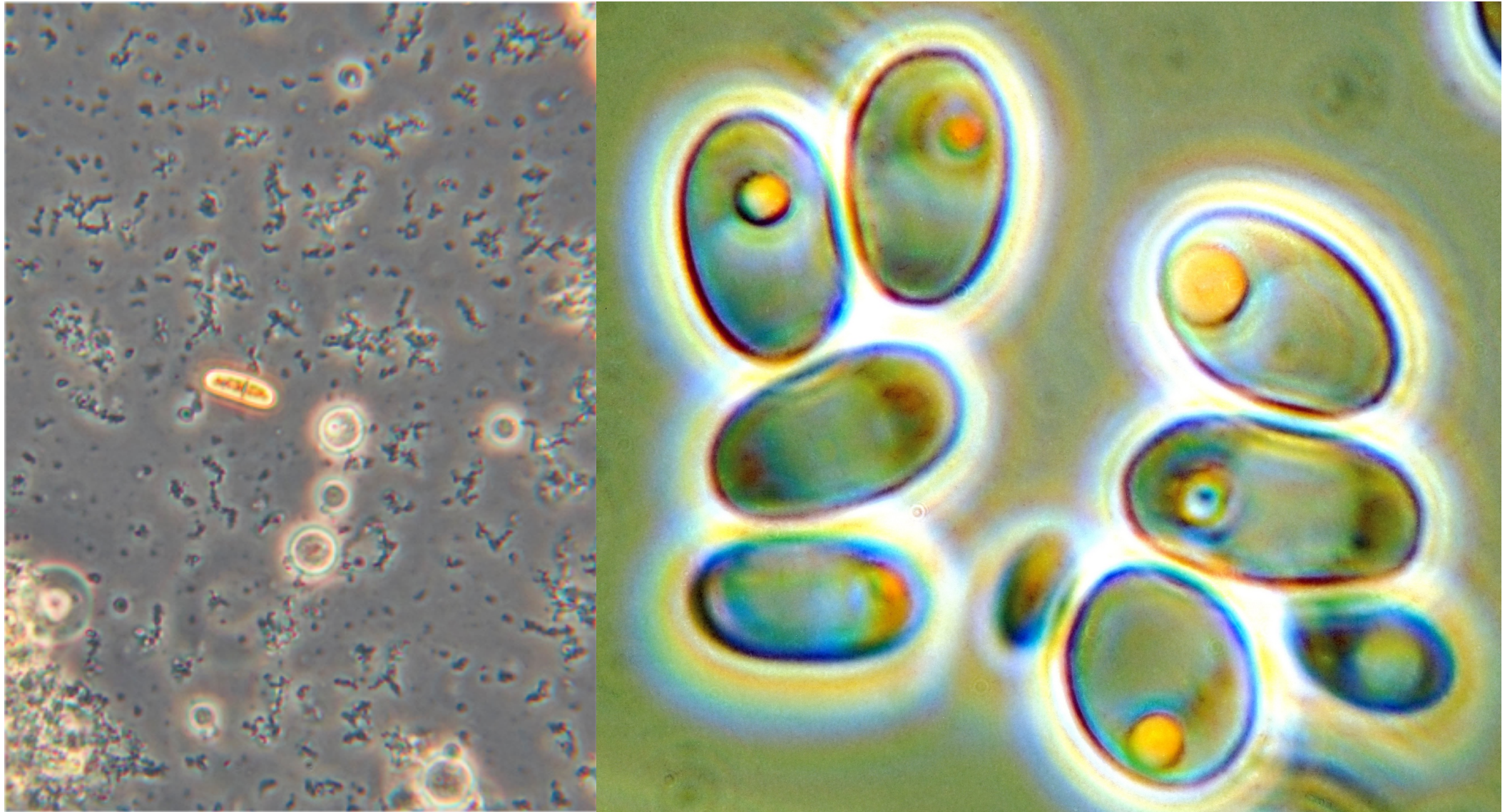
Porcelli0007

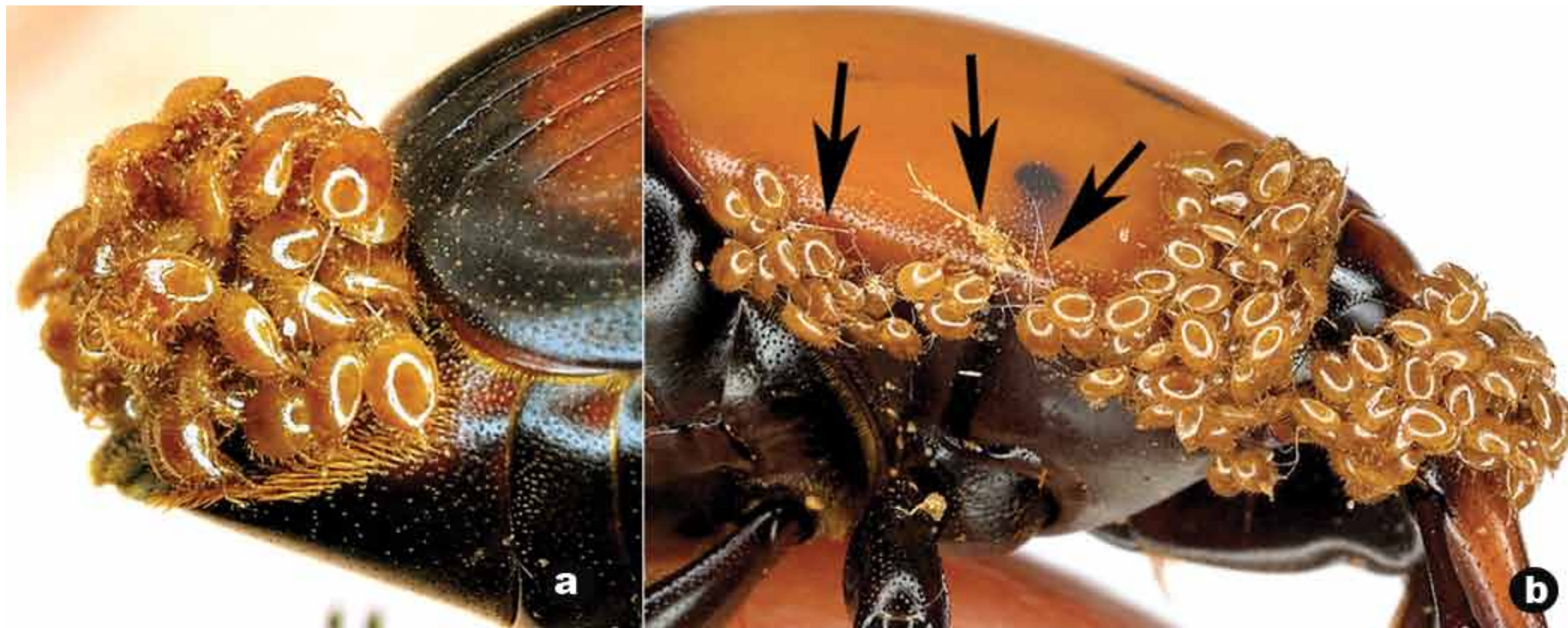
2014/09/10 12:54 N D7.4 x100 1 mm





Vertical
Serratia
transmission in
RPW female
lifecycle





BULLETIN OF THE ENTOMOLOGICAL SOCIETY OF MALTA (2009) Vol. 2 : 61-66

Uroobovella marginata

Occurrence of *Centrouropoda almerodai* and *Uroobovella marginata* (Acari: Uropodina) phoretic on the Red Palm Weevil in Malta

Francesco PORCELLI^{1*}, Ernesto RAGUSA², Anna Maria D'ONGHIA³,
Steve MIZZI⁴ & David MIFSUD⁵



Centrouropoda almerodai in Europe...

— BULLETIN OF THE ENTOMOLOGICAL SOCIETY OF MALTA (2009) Vol. 2 : 61-66

**Occurrence of *Centrouropoda almerodai* and
Uroobovella marginata (Acari: Uropodina)
phoretic on the Red Palm Weevil in Malta**

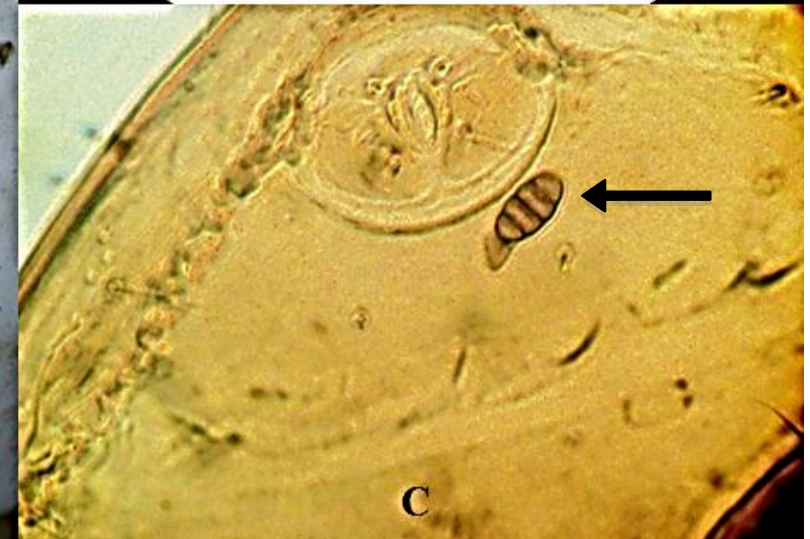
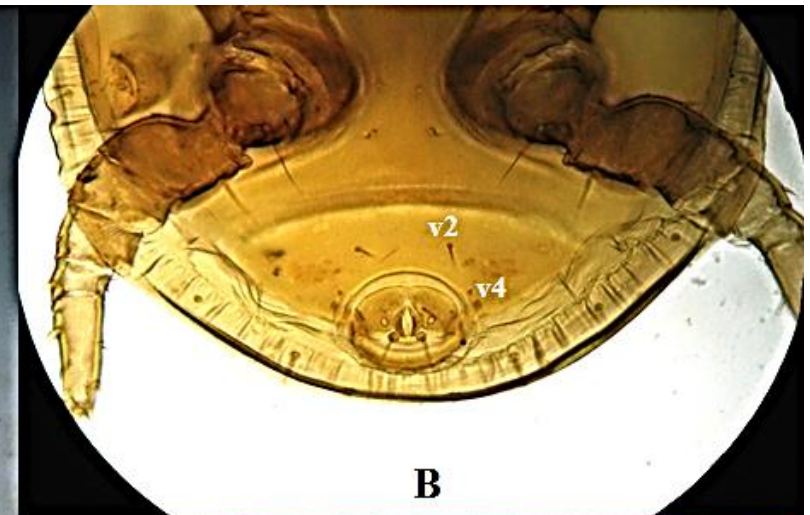
Francesco PORCELLI^{1*}, Ernesto RAGUSA², Anna Maria D'ONGHIA³,
Steve MIZZI⁴ & David MIFSUD⁵

Porcelli, Scarscia, Pazzani, Pollastro, Di Palma, Russo, Roberto, Salerno, Valentini & Djelouah The RPW as vector ...

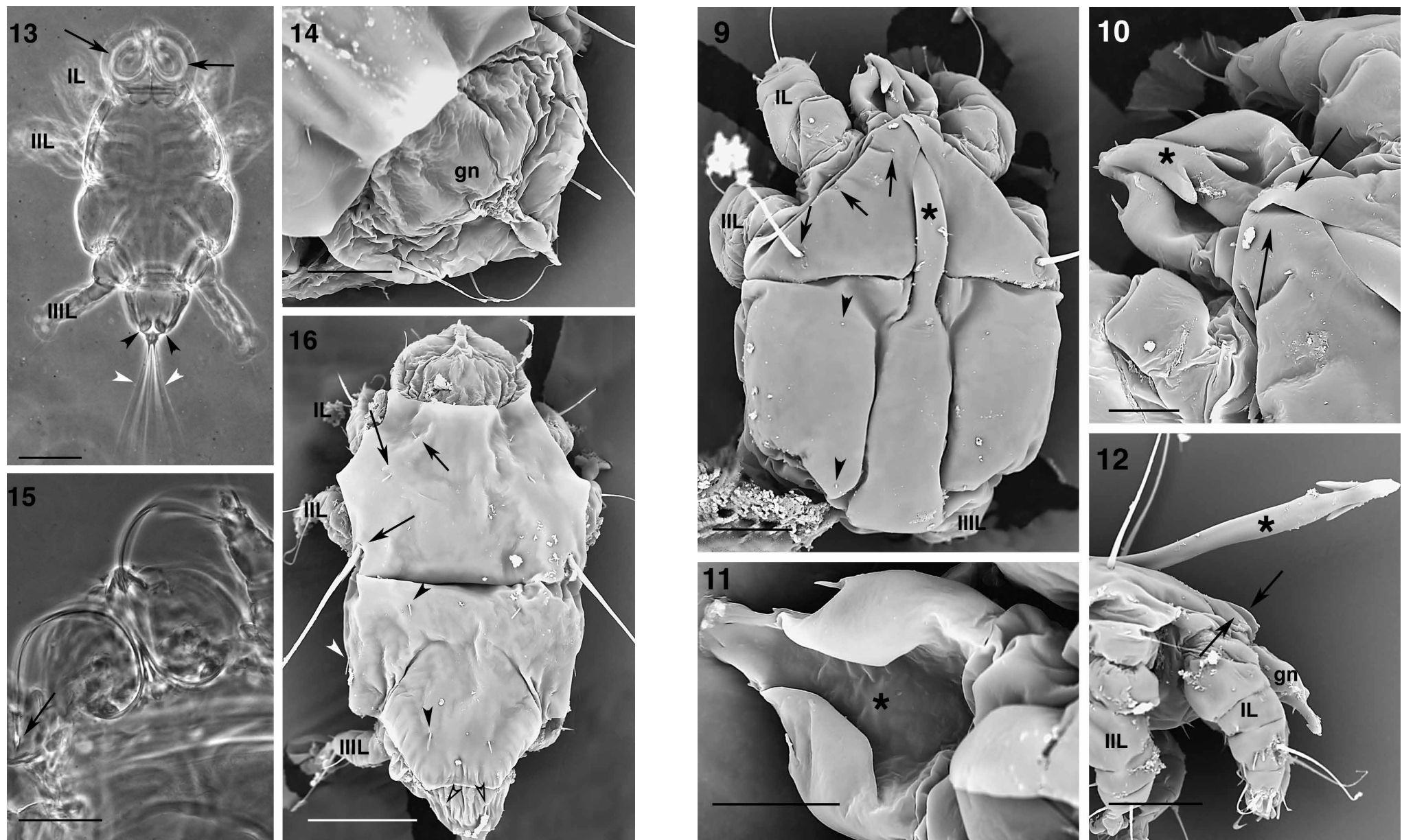
Centrouropoda almerodai in Panama... on Palm weevil (*R. palmarum*)

Presencia de *Centrouropoda almerodai* y *Glyptholaspis* sp.
(Acari: Uropodina, Macrochelidae) sobre el picudo negro del cocotero
(*Rhynchophorus palmarum*) (Coleoptera: Curculionidae) en Panamá

HÉCTOR RODRÍGUEZ-MORELL^{1*}, EVELYN ITZEL QUIRÓS-McINTIRE², ALEX EDUARDO DOMINGO-QUIRÓS³, REYNALDO CHICO-MOREJÓN⁴ & FRANCESCO PORCELLI⁵



Porcelli, Scarscia, Pazzani, Pollastro, Di Palma, Russo, Roberto, Salerno, Valentini & Djelouah The RPW as vector ...



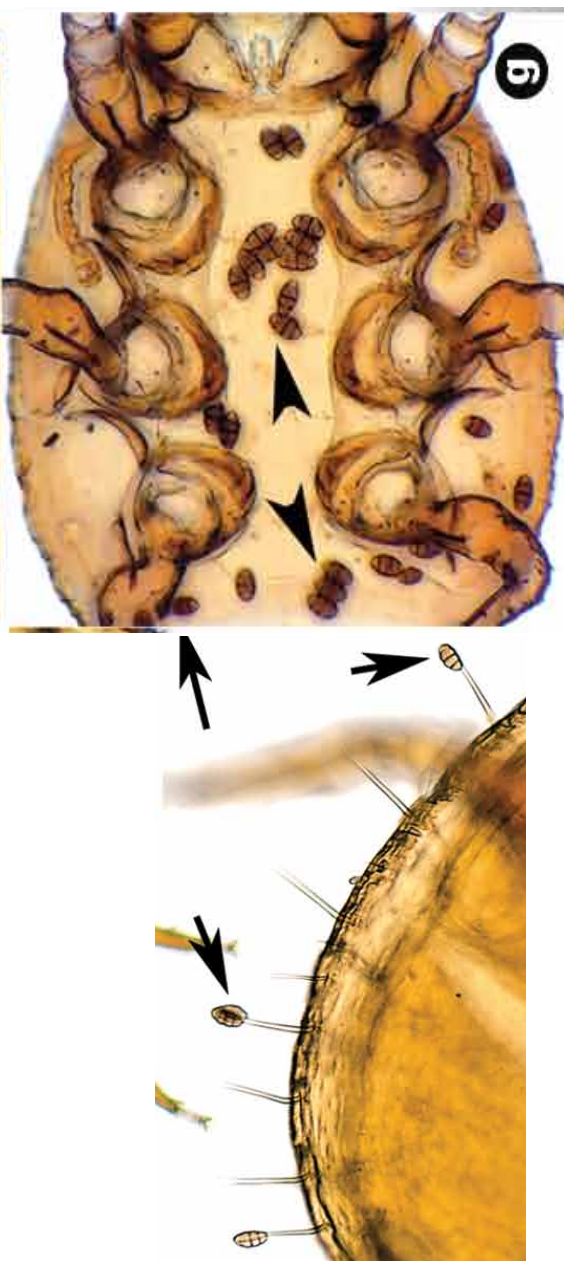
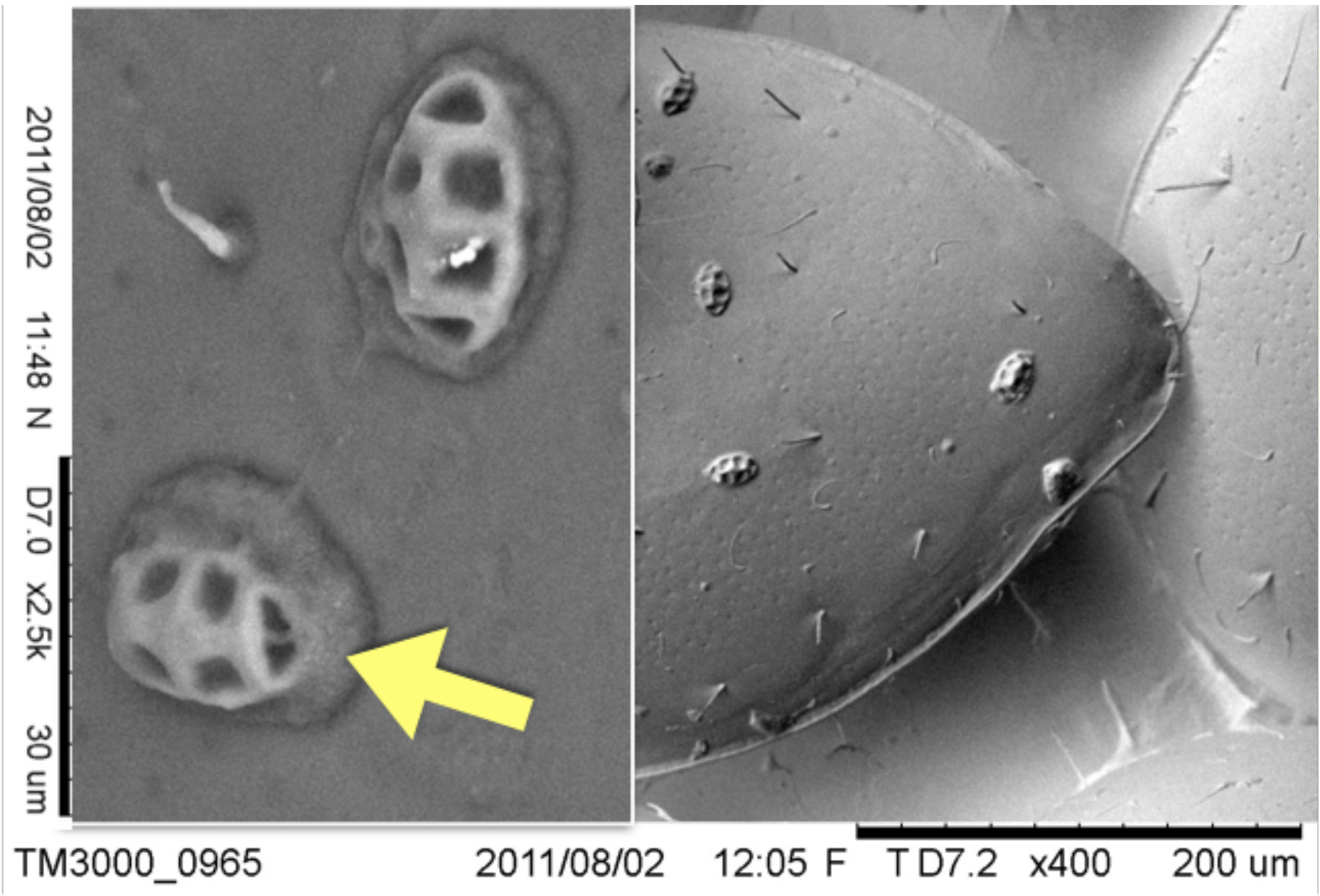
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Acarina 22 (2): 92-99

ILLUSTRATION OF SOME MORPHOLOGICAL FEATURES IMPORTANT FOR
IDENTIFICATION OF *RYNCHOPOLIPUS RYNCHOPHORI* (EWING)
(ACARI: PODAPOLIPIDAE)

A. Di Palma¹ and F. Porcelli²

Porcelli, Scarscia, Pazzani, Pollastro, Di Palma, Russo, Roberto, Salerno, Valentini & Djelouah The RPW as vector ...



Porcelli, Scarscia, Pazzani, Pollastro, Di Palma, Russo, Roberto, Salerno, Valentini & Djelouah The RPW as vector ...

To discuss:

1. Co-introduction of alien organisms (Bacteria, Mite, Fungi)
2. Symbionts may increase the Weevil damages;
3. Symbionts may be invasive organisms by themselves;
4. Do we need to re-consider the approach to pest list and rules?;
5. **Many Thanks** 😊 😊 😊