



LEAD STORY

FROM RESEARCH TO THE FIELD

C4RPWC is moving promising innovations into real world testing across its international research network.

The first integrated Red Palm Weevil management Solution Bundle is being deployed across 37 pilot farms in the United Arab Emirates, covering approximately 30,000 date palms, and 27 pilot sites in Egypt, with field validation continuing over two seasons.

IMPACT SNAPSHOT

46

INNOVATIONS

29

AT TRL 7+

37

UAE PILOT FARMS

~30K

DATE PALMS

27

EGYPT SITES

9

TECHNOLOGIES

IN FOCUS

THE FIRST SOLUTION BUNDLE FROM INDIVIDUAL INNOVATIONS TO AN INTEGRATED FIELD-TESTED APPROACH

C4RPWC's first integrated Red Palm Weevil management Solution Bundle brings promising detection and management approaches together for field validation in the United Arab Emirates and Egypt.

TRAPPING

Dry pheromone-kairomone trapping

REPELLENTS

Turnerone-based approaches

INSPECTION

Visual inspection every 45 days

EARLY DETECTION

Acoustic and digital technologies

PEST MANAGEMENT

Improved management practices



FEATURE STORY

FROM SOUND TO SATELLITES

Acoustic sensors, satellite imagery and AI, tested across two countries.

C4RPWC researchers and partners are testing approaches ranging from acoustic and vibrational sensors inside individual palms to satellite imagery and AI at landscape scale, across field sites in the United Arab Emirates and Egypt.

FIELD FEATURE

FARMERS AT THE HEART OF C4RPWC INNOVATION

Farmers across the seven emirates are helping C4RPWC test promising technologies under real farming conditions. Farmer Field Schools bring farmers, researchers and extension teams together to strengthen practical skills in RPW identification, monitoring and management.

[READ MORE →](#)





PROGRAM UPDATE

NAIROBI, KENYA • 22–24 JULY 2026

TECHNICAL STEERING COMMITTEE SETS PRIORITIES FOR THE NEXT PHASE

Partners convened in Nairobi to review progress and set priorities for Phase 3.

C4RPWC partners met in Nairobi to review scientific progress, achievements and bottlenecks across the Consortium's Workstreams, with discussions focusing on validation needs, research dependencies, implementation risks and priorities for the next phase.



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HOW C4RPWC WORKS

PARTNERSHIP IN ACTION

SCIENCE

Developing and testing innovations



CO-DEVELOPMENT

Working with partners and users



FIELD VALIDATION

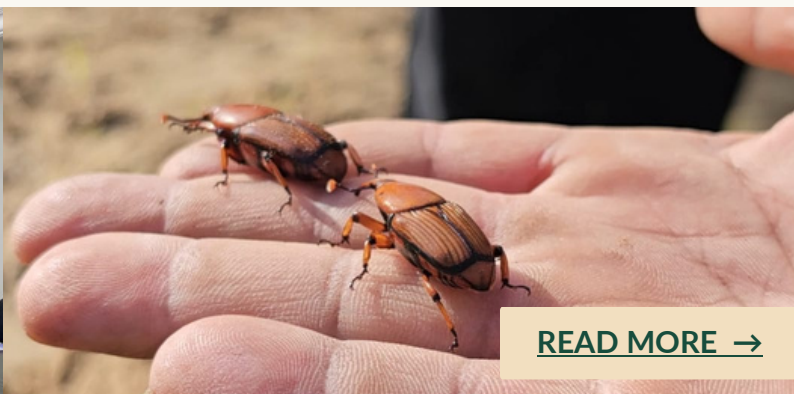
Testing solutions under real conditions



SCALE

Building evidence for wider application

C4RPWC brings research institutions, national partners, farmers and technology providers together to develop, test and adapt solutions across different contexts.



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PARTNERSHIP UPDATE

TUNISIA • SEPTEMBER 2026

TUNISIA EXPLORES PARTICIPATION IN C4RPWC

ICARDA representatives met Prof. Dr. Zohra Lili épouse Chabaane, President of IRESA, and Dr. Naima Mahfoudhi, Director General of Plant Health at Tunisia's Ministry of Agriculture, to discuss Tunisia's potential participation in C4RPWC. Discussions explored collaboration in research, field validation, innovation and capacity development.

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DIGITAL INNOVATION

A NEW CITIZEN SCIENCE TOOL TAKES SHAPE

Bringing Red Palm Weevil knowledge closer to farmers, extension agents and communities.

ICARDA and ICRISAT are co-developing a Citizen Science mobile application to make Red Palm Weevil knowledge more accessible. A consultation workshop in Cairo brought together ARC, DRC, private sector representatives and farmers to co-develop content on RPW identification, monitoring and management.





C4RPWC and ICARDA representatives at the International Dryland Development Congress, New Delhi, 11 September 2026.

EVENT FEATURE

NEW DELHI • 11 SEPTEMBER 2026

C4RPWC Brings Red Palm Weevil to the International Drylands Agenda

A dedicated side event placed RPW within the global conversation on food security and climate resilience.

C4RPWC brought the Red Palm Weevil challenge to the International Dryland Development Congress in New Delhi through a dedicated side event exploring how science, technology and partnership can strengthen the global response to the pest.

[READ MORE →](#)

KEY THEMES

EARLY
DETECTION

AI & PREDICTIVE
TOOLS

INTEGRATED PEST
MANAGEMENT

RESEARCH →
VALIDATION
→ SCALE

LOOKING AHEAD

What's Next

- Validate the first Solution Bundle
- Advance acoustic, AI & remote sensing approaches
- Strengthen Farmer Field Schools & extension engagement
- Develop the Citizen Science application

UPCOMING EVENT

GLOBAL FOOD WEEK 2026

6-8 OCTOBER 2026

**ABU DHABI
UNITED ARAB EMIRATES**

C4RPWC will connect its work with wider discussions on food security, food systems, agricultural innovation and resilience.

ACKNOWLEDGEMENT

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LED BY



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