PEA-02®

Bacteriophage-based biocontrol of *Erwinia amylovora*

BERNARD BLUM AWARD 2023

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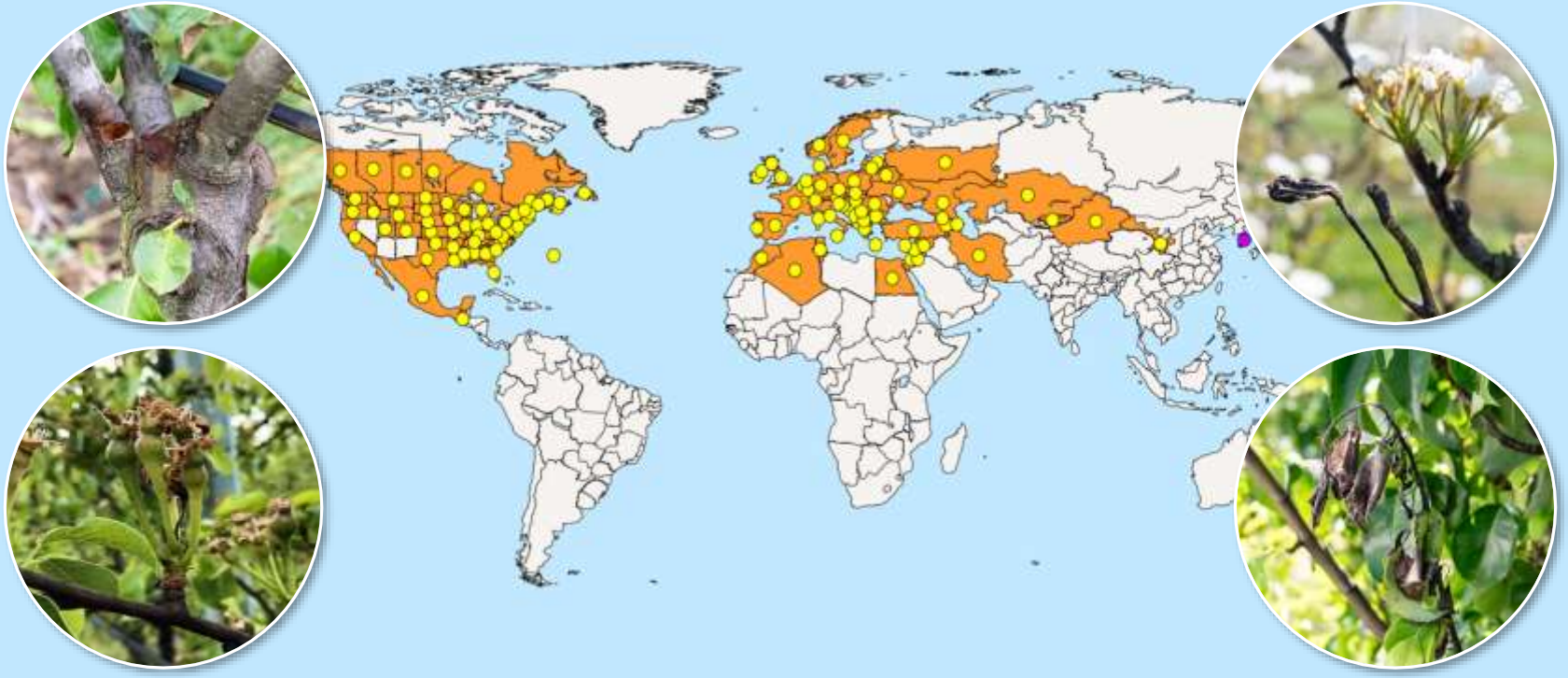
Biorationals

ABIM, October 2023

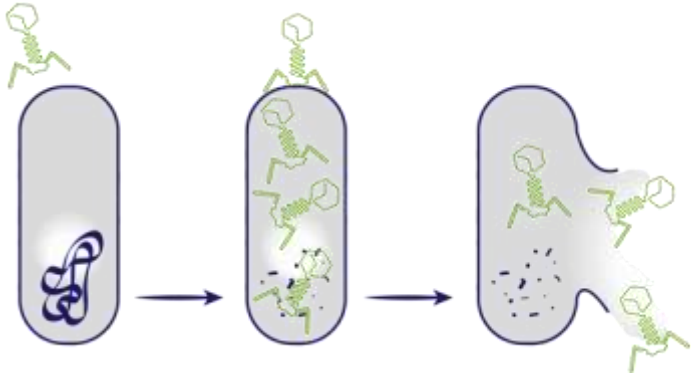
FIRE BLIGHT IN APPLE AND PEAR

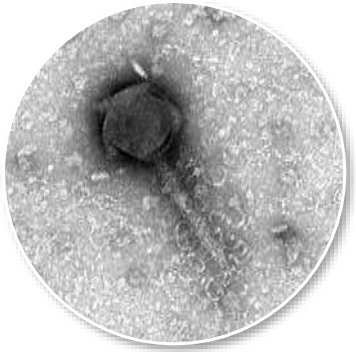


BACTERIOPHAGE-BASED BIOCONTROL

What are bacteriophages?

- Virus that infect and replicate within bacteria
- Recognition via receptor on cell surface
- Highly specific
- Success stories in food safety and medicine



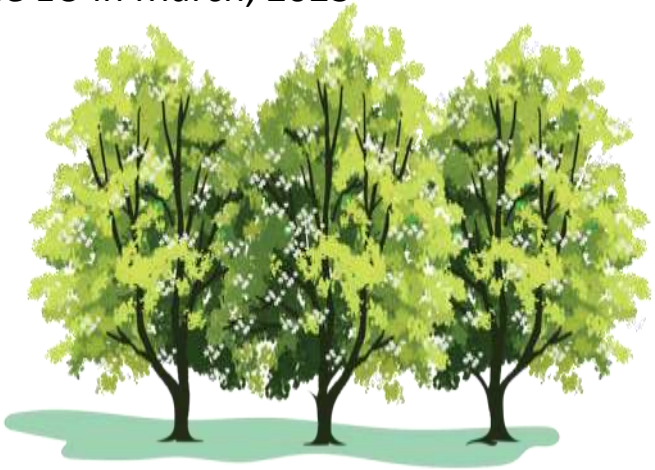


EXCLUSIVE PARTNERSHIP WITH SCIENTIA TERRAE & OMNILYTICS

PEA-02®, BACTERIOPHAGE-BASED BIOCONTROL OF FIRE BLIGHT

What is PEA-02®?

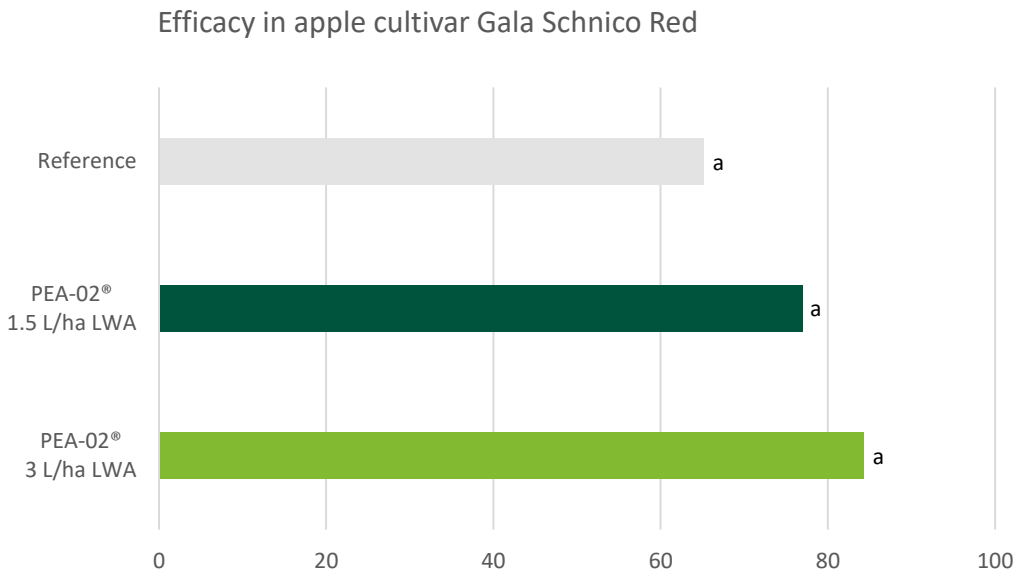
- Mixture of bacteriophages against *Erwinia amylovora* in apple and pear
- Developed to cover the EU-wide genetic diversity of the fire blight pathogen
- Active substance dossier submitted in the EU in March, 2023
- Presumably low risk
- No MRL expected



How does PEA-02® work?

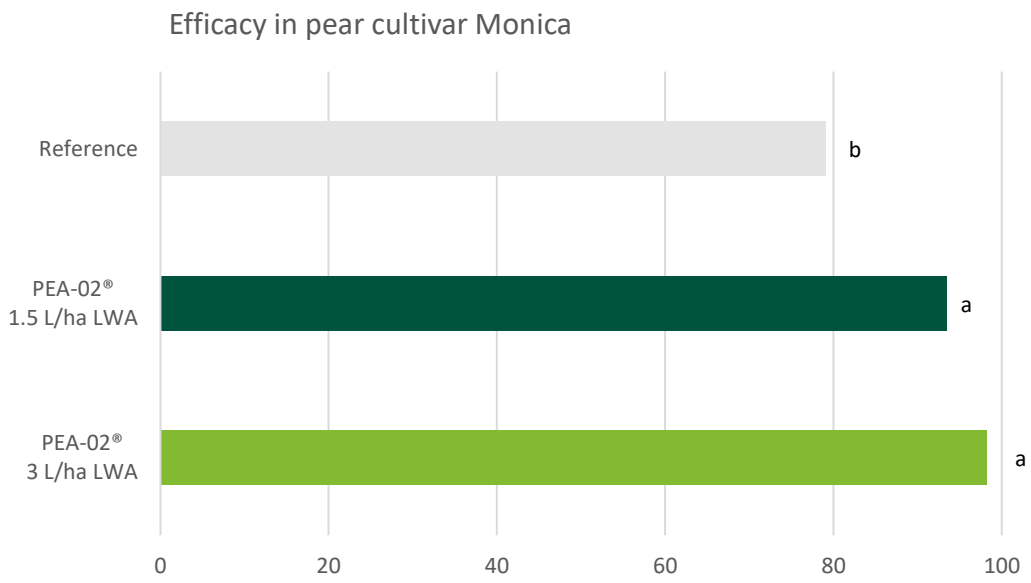
STUDIES CONDUCTED IN THE EU IN 2021, 2022 AND 2023

EFFICACY IN APPLE, EMILIA-ROMAGNA (ITALY), 2022



All treatments significantly differ from the untreated control
Disease incidence of 4.4% on the shoots in the untreated control

EFFICACY IN PEAR, ROMANIA, 2023



All treatments significantly differ from the untreated control
Disease incidence of 16.8% on the blossoms in the untreated control

PHACT® - NEXT GENERATION BIOCONTROL

Various bacterial plant diseases (source: EPPO)

DCM's technology platform based on bacteriophages with curative action against bacterial diseases

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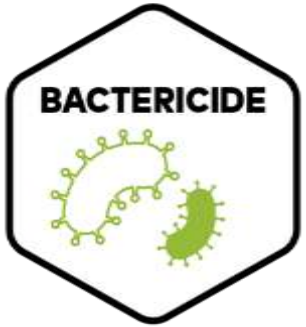

phact® next generation biocontrol

DCM's technology platform based on bacteriophages with curative action against bacterial diseases

TEAMWORK!

THANKS FOR YOUR ATTENTION - VISIT US AT **BOOTH NO. 55**

"Registration process ongoing. Product currently not for sale."