Feedback from stakeholders on *Xylella* research: achievements and needs from a farmer perspective

César González
COPA COGECA
Feedback from farmers perspective:
RESEARCH ON CURRENT XYLELLA OUTBREAKS IN THE EU (SESSION 1)

- Key research achievements so far
  - EU implementing measures and National plans updated according to last available knowledge

- Key research needs
  - Origin and first focus of the diseases (controls based on risk)
  - Early detection systems (including particular gardens)
Feedback from farmers perspective: RESEARCH ON XYLELLA BIOLOGY AND GENETICS (SESSION 2)

- Key research achievements so far

- Key research needs
Feedback from farmers perspective: RESEARCH ON XYLELLA HOST PLANTS AND RESISTANCE (SESSION 3)

- Key research achievements so far
  - Several tolerant varieties for certain crops found worldwide (i.e. vines)

- Key research needs
  - Tolerant/resistant varieties for other important crops (i.e. olive trees)
  - Host specificity testing: pest-strain/host-variety
Feedback from farmers perspective: RESEARCH ON XYLELLA PATHOGEN AND DISEASE CONTROL IN THE PLANT (SESSION 4)

- Key research achievements so far

- Key research needs
  - Treatment for infected plants (CRISPR? bacteriophage virus?)
Feedback from farmers perspective: RESEARCH ON XYLELLA VECTORS (SESSION 5)

- Key research achievements so far
  - Information about some vectors (life cycle, spread, environmental behavior)

- Key research needs
  - Identification of all vectors (still some missing)
  - Influence of climate change in the spread of the vectors
Feedback from farmers perspective: RESEARCH ON XYLELLA DETECTION (SESSION 6)

- Key research achievements so far
  - Surveillance campaigns in sensitive areas

- Key research needs
  - Good on-farm early diagnostic tools (even before symptoms show)
Feedback from farmers perspective: RESEARCH ON XYLELLA EPIDEMIOLOGY, DISEASE DYNAMICS AND SPREAD (SESSION 7)

- Key research achievements so far
  - Exhaustive list of possible hosts

- Key research needs
  - Traceability: origin, entry ways...
  - Alternative and effective methods to fight the spread (chemical and non-chemical)
Feedback from farmers perspective: RESEARCH ON XYLELLA SURVEILLANCE AND CONTROL (SESSION 8)

- Key research achievements so far

- Key research needs
Feedback from farmers perspective: CONCLUSIONS AND/OR RECOMMENDATIONS FOR RESEARCH

• More research is needed
• Sharing knowledge and solutions worldwide
• Many on-going initiatives → Coordination
• Allow public-private research partnerships (i.e. farmer and interbranch organisations)
• Communication to the general public, advisors, graduates...