



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

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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: 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...