

# La ricerca in 3 minuti | Giornata verde del dottorato @DISTAL multicampus



*Skills for sustainable, resilient, and socially fair communities*



9

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**#EUGreenWeek  
PARTNER EVENT**



ALMA MATER STUDIORUM  
UNIVERSITÀ DI BOLOGNA  
DIPARTIMENTO DI  
SCIENZE E TECNOLOGIE AGRO-ALIMENTARI



# Green strategies for the control of the bacterial canker of *Actinidia* (Supervisor: Francesco Spinelli)

## Bacterial canker symptoms



## Disease control

- Cooper-based agrochemicals
- Resistance inducers
- Antibiotics (not allowed in EU)

Phytotoxicity  
Bacterial resistance  
Residues on fruits  
Low efficacy

## Objectives of the work

- Find new eco-friendly disease control strategies
- Reduce the use of agrochemicals









# Expected outcomes

1

## **Hail nets are already used in kiwifruit orchards**

The color of the nets have an impact on bacterial canker symptoms incidence

2

## **100% Blue light treatment led to disease incidence reduction**

Field tests are missing to understand if these results are reproducible with hail nets and orchard conditions

3

## **Reduction of agrochemicals**

If blue hail nets help reducing disease incidence, agrochemicals application may also be reduced going in line with the European Green Deal strategy for reducing by 50% the use and risk of chemical pesticides by 2030.

