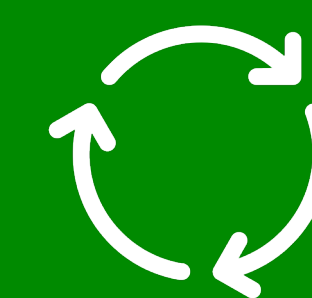


# Wool for crop resilience 2.0



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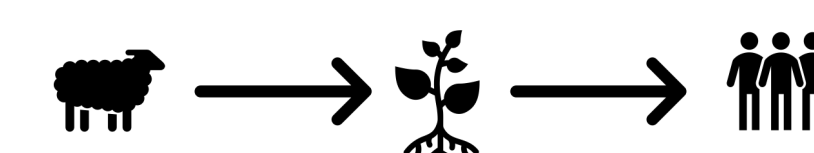


Domain Flagship Textiles. Topic 5: recycling of discarded carbon-based materials

## Objective(s)

We will gain more knowledge on how to re-use wool as an alternative growing media for crops in greenhouses, and its potential as soil amendment to increase crop resilience. We would like to answer

- (1) which treatments are more suitable for wool to keep its beneficial properties for crop resilience?
- (2) are these effects extensive to other relevant crops and pathogens in horticulture?
- (3) communicate our results broader, by organizing a seminar with stakeholders

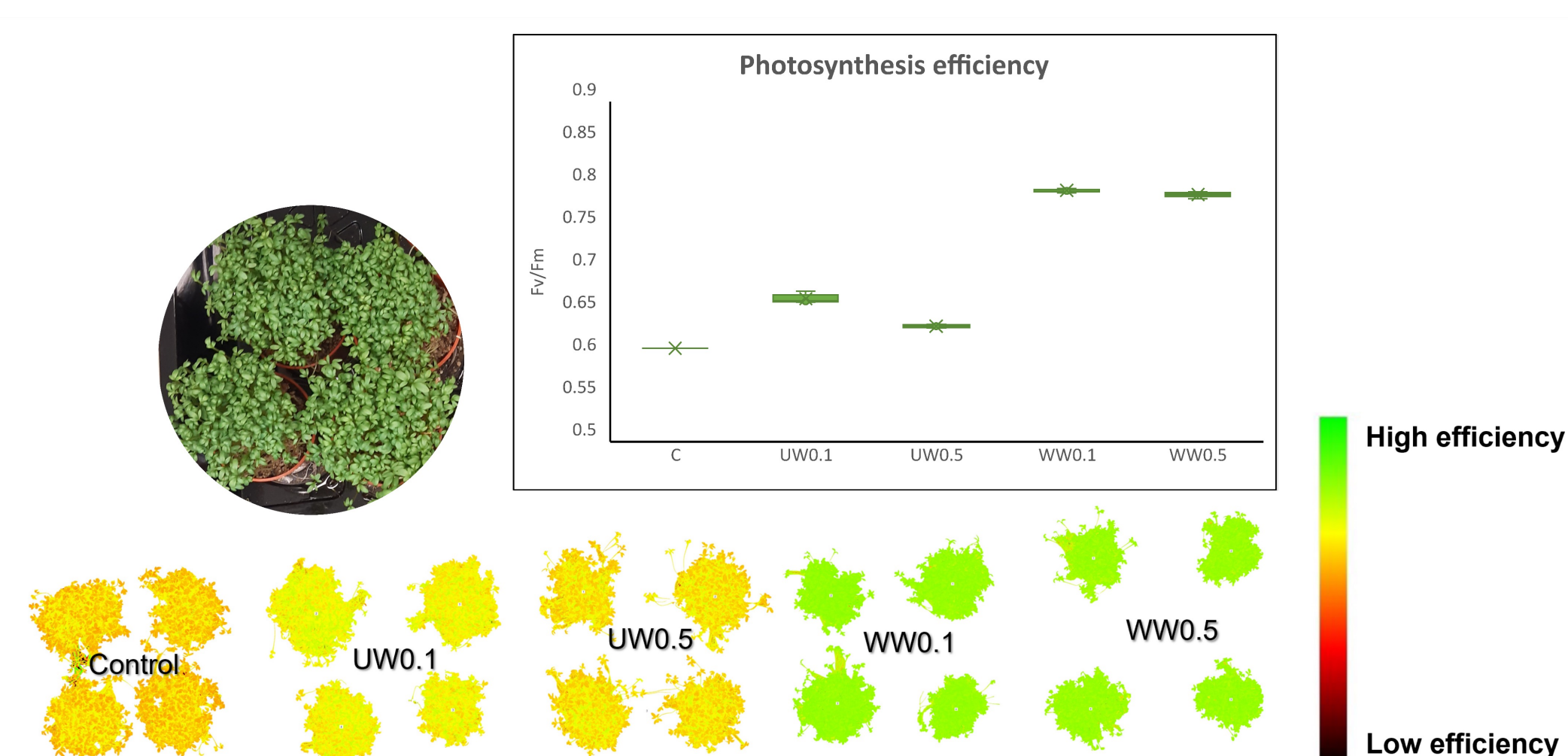


## Target audience

This project is aimed to sheep farmers who are working with coarse wool sheep i.e. Dutch breeds, agricultural farmers, growers, growing media companies, supply chain of agricultural products.

## Medium

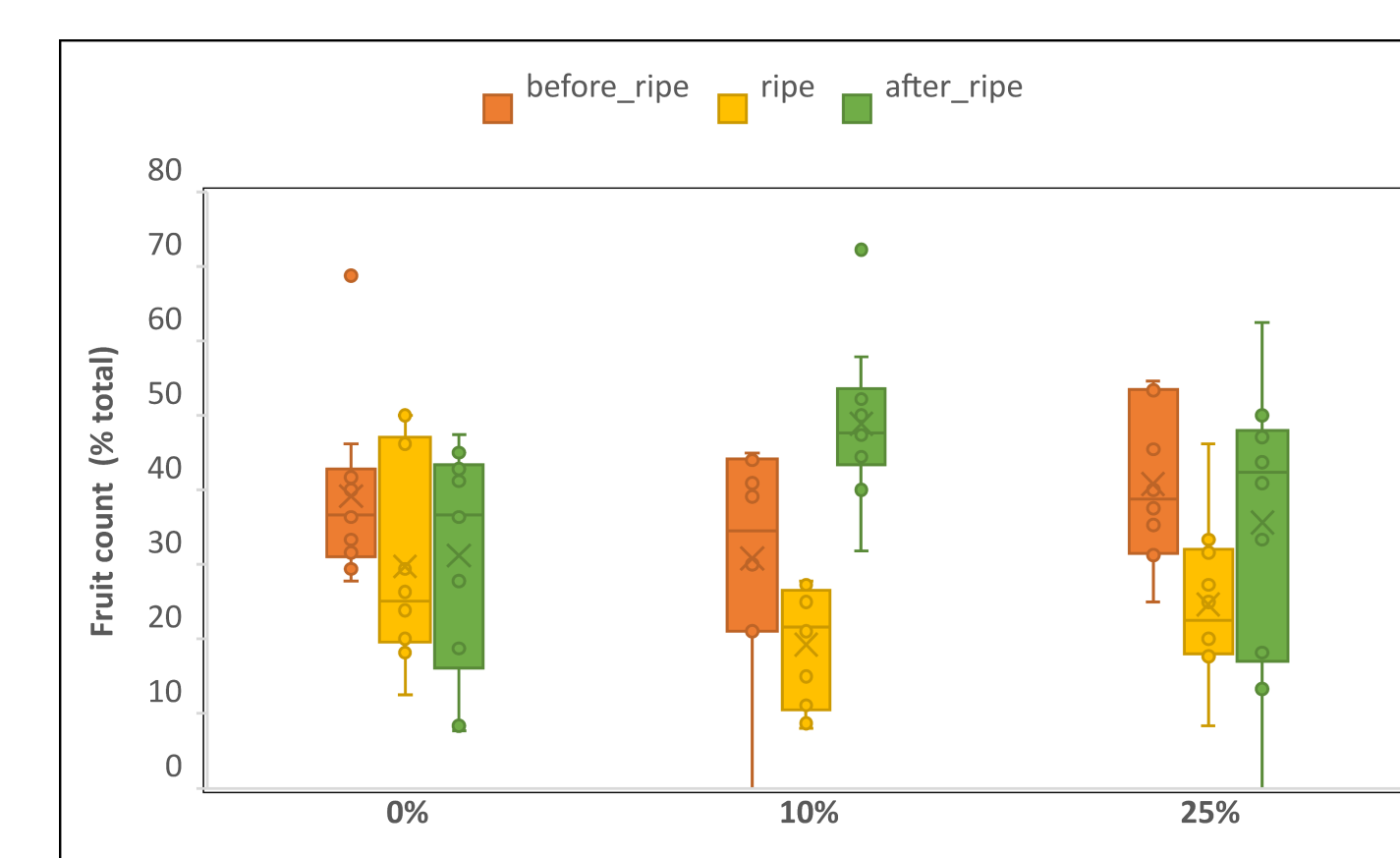
We will tell our story in a presentation for an audience and in a report, which can be easily made accessible to others.



**Figure 1.** Pathogen bioassay with *Pythium*. Photosynthesis efficiency in plants without pathogen



**Figure 2.** Pathogen bioassay with *Pythium*. Signs of disease in seedlings 5 DAS. WW: washed wool; UW: unwashed wool; 0.5: 0.5% wool w/w; 0.1: 0.1% wool w/w.

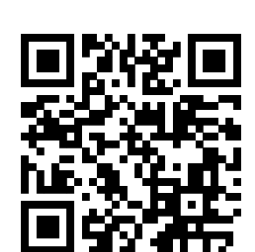


**Figure 3.** Greenhouse experiment with strawberry plants. We counted strawberry yield before, during and after ripening phase. Fruit count is given in proportion to the total.

## Scientific story



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More information:  
[Wool for crop resilience - WUR](http://Wool for crop resilience - WUR)



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