

Workshop

Diversified strip- and inter-cropping systems: what can we gain in modern organic farming?

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The main questions are:

What can strip- and inter-cropped vegetable and arable systems look like in space, time and genetic material

- to increase biodiversity and biocontrol

- to increase soil nutrient use efficiency

- when managed with new agronomic technology, e.g. robots and sensors

to support the development of strip- and inter-cropping on medium and larger-scale farms?

What are experiences, challenges and barriers in practice and what can we learn from researchers?

Topic 2

Strip- and intercropping systems to increase yield and N use efficiency

We investigated yields, root growth, nitrogen use efficiency and leaching risk

Five European field trials



Yields maintained or higher in intercropping systems

Land Equivalent Ratio 0.96-1.42

Nitrogen use efficiency maintained or higher

Advices to make it work

- Systems design based on crop traits
- Ressource demands complementary
- Management used to control competition
- Cabbage with faba bean, beetroot and onion **good**
- Leek and celeriac **good**
- Don't give up! Experience **good**

