

Plant based food

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Vision: Diversify cropping systems. Make cropping systems more resilient. Legumes: Peas, Faba beans, soybean, chickpeas, lupin.

How do our research contribute to this theme?

A vision towards transition to a pure plant-based food production system. Breeding is a starting point. Open a path towards new crops and underused crops. Change of current crops. Identify barriers for potential crops e.g soybean. Improve growth protocols.

Collaboration within the department?

Integration of breeding, soil science, pathology, growth control, weed control. Intercropping.

Possible collaboration partners national and international?

Breeding companies, food processing companies (numerous such as: Arla – novel plant based drinks, Le Trang - Tofu)

How can the area contribute to our teaching, including attracting more students and contributing high school activities?

Plant based foods are innovative and relevant. Cases for high schools on innovation in plant based foods. Living labs for students. Consumer integration.

How does the area contribute to regenerative agriculture?

Improve root acquisition potential: root architecture. Better phosphorous and nitrogen acquisition efficiency. Endophytes. Intercropping. Increased use of cover crops.

Funding possibilities?

Integrated value chain projects including the line from new breeding technologies over cropping systems to food processing.