

TURNING SOIL AND NUTRIENT KNOWLEDGE INTO SMARTER FERTILISATION DECISIONS ON FARM LEVEL

techcoachproject.eu



MAIN CHALLENGE/ OBJECTIVES

Farmers face increasing pressure to optimise fertilisation while meeting soil, water and climate goals. Knowledge gaps on nutrient efficiency, soil processes and practical decision-making limit improvement, but learning-by-doing and peer exchange offer strong opportunities.

MAIN RESULTS/ OUTCOMES

Participants gained insight into soil nutrient dynamics, crop demand and fertiliser efficiency. By combining measurements, advisory support and group learning, farmers identified improvement potential, reduced uncertainty and developed confidence to adjust fertilisation strategies.

PRACTICAL IMPLICATIONS / RECOMMENDATIONS

Farmers can directly apply the results by translating soil and crop insights into concrete fertilisation choices. Evidence Based Farming shows how combining soil analyses, crop monitoring and expert guidance helps farmers fine-tune nutrient timing, rates and product choice. Participants start with their own field data, discuss results with peers and advisors, and test adjustments step by step on their farms. This approach encourages learning from practice, not prescriptions. Other farmers can adopt the same method by using measurements as a starting point, setting clear learning goals and gradually adapting fertilisation based on observed soil and crop response.



GEOGRAPHICAL LOCATION

The project took place in North Brabant, a province in the south of the Netherlands.

FURTHER INFORMATION

The Evidence-Based Farming groups continued under the name Brabant Bemest Beter. The initiative helps farmers make better-informed decisions by combining field measurements, soil and crop data, and practical experience. By improving insight into nutrient flows and potential losses, participants can optimise fertilisation and crop protection strategies, increase resource efficiency and support the transition towards more circular and sustainable farming systems. Through peer learning, expert guidance and data-driven decision-making, farmers gain the knowledge needed to translate measurements into practical actions on their own farms.



TECHCOACH has received funding from the European Union's Horizon Europe research and innovation programme under Grant Agreement No. 101182908.

www.linkedin.com/company/techcoachproject

www.facebook.com/techcoachproject

