DURATION OF THE PROJECT
17.02.2020 - 16.02.2023

Sugar beet   Wheat

PROJECT PARTNERS

GEORG-AUGUST-UNIVERSITÄT
GÖTTINGEN

Abteilung Agrartechnik
Department für Nutzpflanzenwissenschaften

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FARMERSPACE

TRIAL FIELD FOR THE IMPLEMENTATION OF

DIGITAL TECHNOLOGIES FOR CROP PROTECTION

GOALS

Definition of targets for the efficient use of digital tools

Which methods can be used to compare digital tools? What advantage do they offer in daily use over conventional measures?
We want to answer these questions.

Unlocking the potential of digital technologies

More and more digital tools are available on the market. However, they have rarely been scientifically evaluated and tested by an independent authority.
We want to improve that.

Acceleration of the practice transfer

Important for the use of digital technologies in agricultural practice is an understanding of their functional principles. We show how they work and can be used efficiently on the farm.

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EXPERTISE

Sensor and data transmission systems, optical and machine-based sensors as well as radio sensor networks and multi-dimensional data-systems

Remote sensing and drone technology

Robotics, machine learning, artificial intelligence and autonomous driving

Agricultural technology, crop production, plant diseases and plant protection

Agricultural extension and knowledge transfer

EXPECTED RESULTS

• Establishment of evaluation routines for digital technologies for the detection and control of weeds and foliar diseases in sugar beet and wheat

• Establishment of digital infrastructure

• Improved decision-making processes on plant protection measures on farms, increasing the profitability, sustainability and efficiency of plant protection measures

• Transfer of knowledge into academic teaching and the training of young scientists