

Field day of ATB at Fieldlab for Digital Agriculture

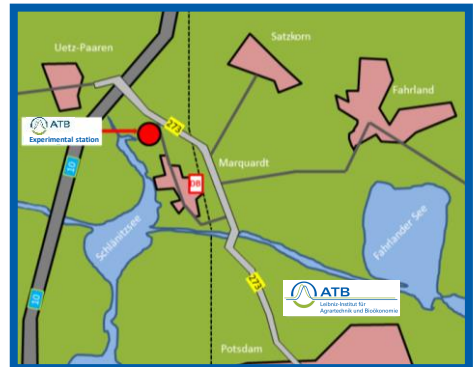
19 June 2024 9:30 am - 1 pm

Experience innovative approaches for diversified agriculture, exciting field robotics, sensors for fruit growing and more! We cordially invite you to our field day at our experimental station in Potsdam-Marquardt to bring together research, practice and interested people.

Programme

- 9:30 am Welcome by Executive Board
Prof Barbara Sturm
- 9:45 am About the Fieldlab
Dr Benjamin Trost
- 10:00 am Tour with project
presentations
- 12:30 am Snack
- 1:00 pm End of the event

Address and approach



Hauptstraße 36 B
14476 Potsdam , OT Marquardt



Please register by 12 June 2024 at
www.atb-potsdam.de/de/feldtag



This awaits you!

Optimization of a monitoring system for the integration of an **optoelectronic nose for the detection of plant diseases** in winter rye- AgriNose

Autonomous navigation of mobile robots and un-manned vehicles

Field-scale mapping of soil water content by **Cosmic Ray Neutron Sensing** (CRNS) - Cosmic Sense

High throughput real-time monitoring and **prediction of fruit cracking** by utilising and upscaling sens-ing and digital data technologies - CrackSense

Field trial to determine the **effects of manure** treated with calcium cyanamide on soil-borne **nitrous oxide and methane emissions** and yield - EMERGE

Weed detection from low-altitude remote sensing using probabilistic Machine Learning

Fruit tree Crop Responses to Water deficit and **decision support systems** applications for precise irrigation - FruitCrews

A novel plant-based approach to **estimate irrigation water needs** and apply optimal deficit strategy - IRRIWELL

Perennial **nitrogen increase** experiment

Monitoring of **specious pests in fruit production** for creating plant protection strategies

Sunburn and heat prediction in canopies for evolving a warning tech solution - SHEET

Traditional and new fiber crops for diversified arable farming and CO₂-storing products

Vertical sensing of potatoes

Organiser & contact

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