

# FARMXTEND

SMART FARMING SOLUTIONS

FIELDXACT

AGXTEND  
Xpect more

# FARMXTEND - A COMPLETE AGRONOMIC SOLUTION

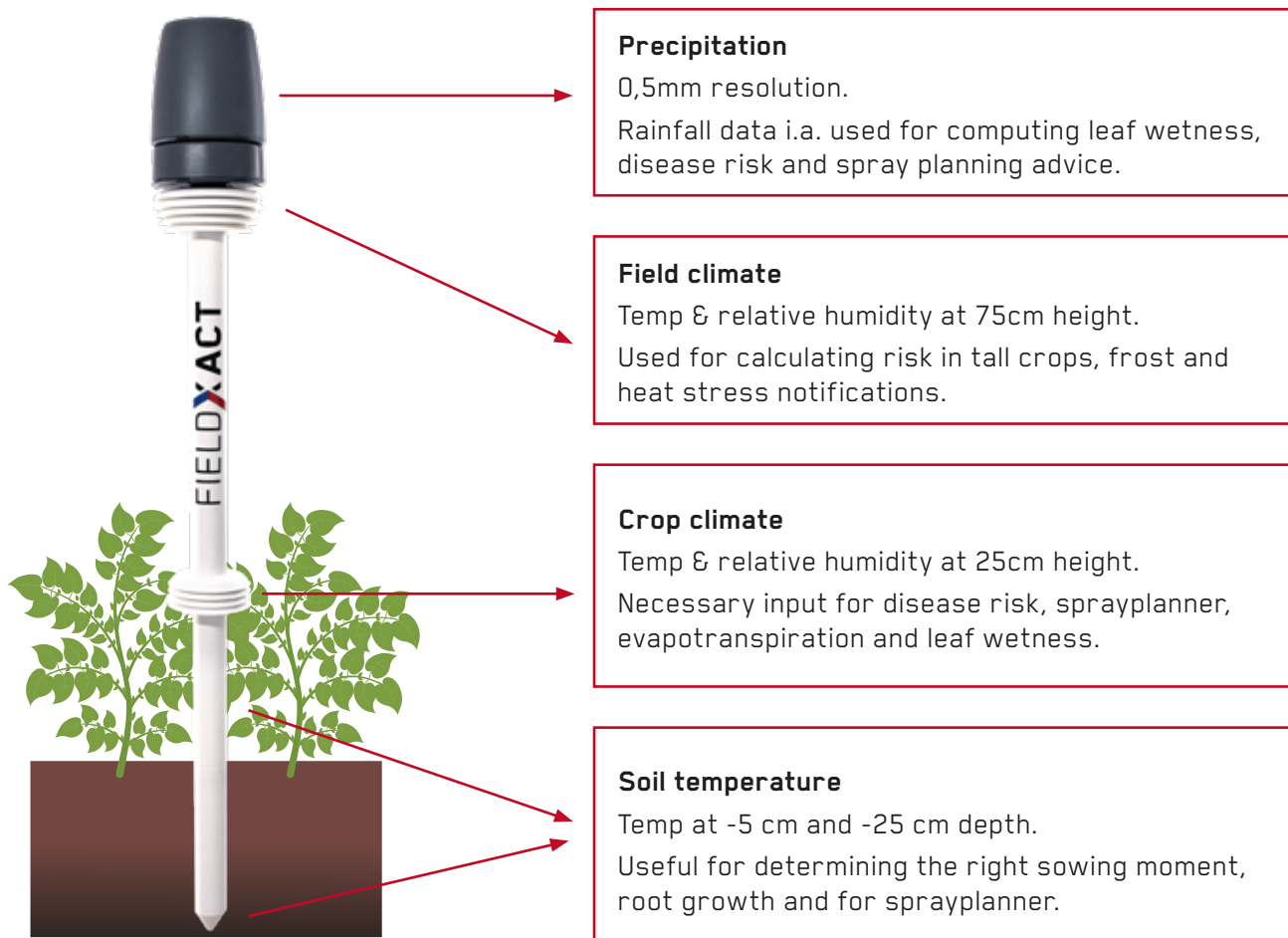
**FarmXtend is not just a weather station but a full agronomic solution to base your decisions on ultra-local measurements from the field between your plants.**

This all-in-one crop and soil sensor captures the microclimate and provides plot-specific weather forecasts to keep track of everything a grower needs to know about his crop. The FieldXact sensor measures all relevant weather parameters at field, crop and soil level thanks to an integrated rain gauge and six other specific sensors. With data from all these different sensors and from validated external weather data sources converted into relevant information, it is a valuable tool for daily decision making.

## KEY FEATURES:

**The only sensor developed from a crop perspective.**

- One unique meteorological in-field sensor combined with intelligent software solutions
- Measuring rainfall, climate conditions such as temperatures, humidity and soil climate at two depths between the plants to obtain ultra-local data
- Wirelessly connected to the FarmXtend app for easy data overview and integrated agronomic decision support tools





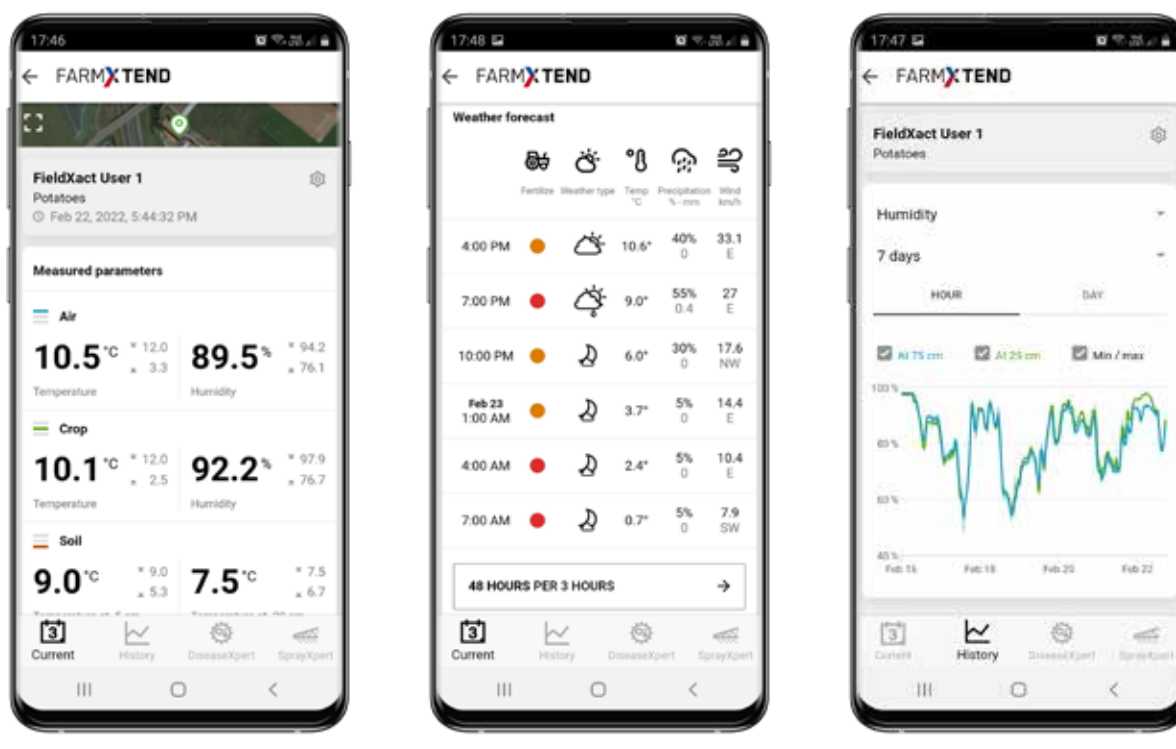
# THE BASIC PRINCIPLE

The FieldXact is installed in between the crops and measures the most relevant parameters to better monitor the crop health. Data are collected every 15 minutes and automatically uploaded to the server on a 30min basis and the user has always access to accurate information on their mobile devices.



## MEASURED PARAMETERS:

- Dashboard with all real sensor and calculated weather data (wind, leaf wetness, moisture, evaporation & radiation)
- Ultra-local weather forecast including agroscores (most favorable timing for fertilization)
- Cumulative values
- Historical data

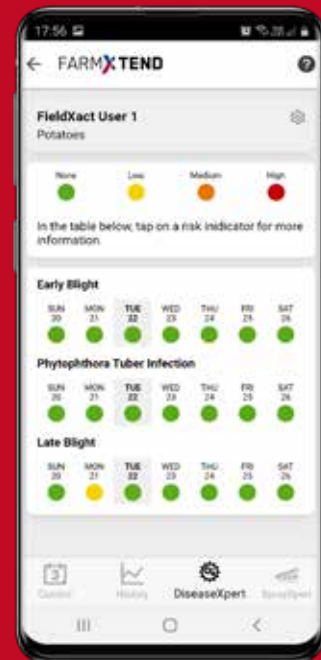


# AGRONOMIC SUPPORT SOLUTIONS

The FarmXtend Crop Care solution offers two agronomic advice models:

## DISEASEXPERT MODEL:

- **Preventing crop damage** is a prior task for a farmer. The FieldXact supports farmers in protecting their crops from diseases and thus quality loss. The disease pressure module describes the risk of infection for a particular crop with major plant pathogens. To calculate the disease pressure in the crop, the measured crop climate data are used together with the crop-height specific weather forecast. Available for more than 75 crops and over 200 diseases.
- Perfect support tool to monitor the **disease pressure** of the crop, when the measured weather conditions are favourable for crop diseases to occur the intuitive colour legend in the app will show.



## SPRAYXPERT MODEL:

- The application of crop protection agents at the optimal time is of great importance in growing quality crops with respect for the environment. By spraying at the optimal moment, **costs can be reduced**.
- The SprayXpert module calculates **the result of the application** of a certain crop protection product based on the active ingredients, the formulation of the product, the past, present and future weather conditions on location and the crop stage.
- The model provides an hourly overview of **the efficacy of the specified product for the next 48 hours**. It has been proven that spraying around the blue indicated hours gives the best results. Spraying at the optimal time protects your plants better, saving time, money and resources! Also the wind speed at boom height is predicted.
- Perfect support tool to find out the **optimal spraying moment**.





# BENEFITS

- **All-in one solution:** one hardware device + one FarmXtend app software
- **Ultra-local data** measurements (between the plants on the field)
- Integrated agronomic support tools for **more efficient and sustainable farming**
- Advanced **connectivity** network
- **Intuitive FarmXtend app** with access to all actual and historical data
- **Easy installation** and setup
- **Wireless** sensor
- **Replaceable** power unit
- Tool to **improve** your workflow & **maximize** your returns
- For **optimized** crop protection and spray planning



# FARMXTEND APP

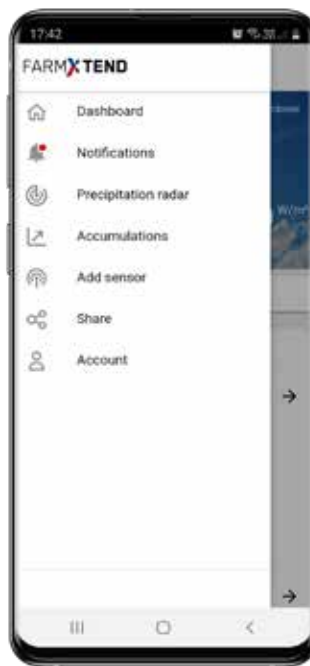
In the FarmXtend App we combine the raw data with the theory and practical experience of our experts. This is reflected in the 'Crop Care' module, which consists of the SprayXpert and the DiseaseXpert models. This prevents damage to crops and minimizes the use of crop protection agents.

## KEY FEATURES:

- All connected sensors are listed under one user account. Sensors can also be shared with guest and coworker accounts.
- Available in multiple languages and free to download and use.
- When a FieldXact device is added to the account, the FarmXtend layout is immediately loaded.



FARMXTEND APP LOGIN PAGE



FARMXTEND APP WELCOME PAGE

SCAN THE  
QR CODE TO  
DOWNLOAD THE  
SMARTFARM APP



ANDROID



IOS



# AGXTEND

Xpect more

AGXTEND is a CNH Industrial aftermarket brand dedicated to accelerating pioneering technical solutions in agriculture. We do this through product development partnerships with agtech start-ups. Leveraging CNH Industrial's expertise and global network, AGXTEND aims to deliver rapid innovation, sustainability and productivity-boosting equipment add-ons that help make farming easier and smarter. Visit [agxtend.com](https://agxtend.com) for more information.



[agxtend.com](https://agxtend.com)