



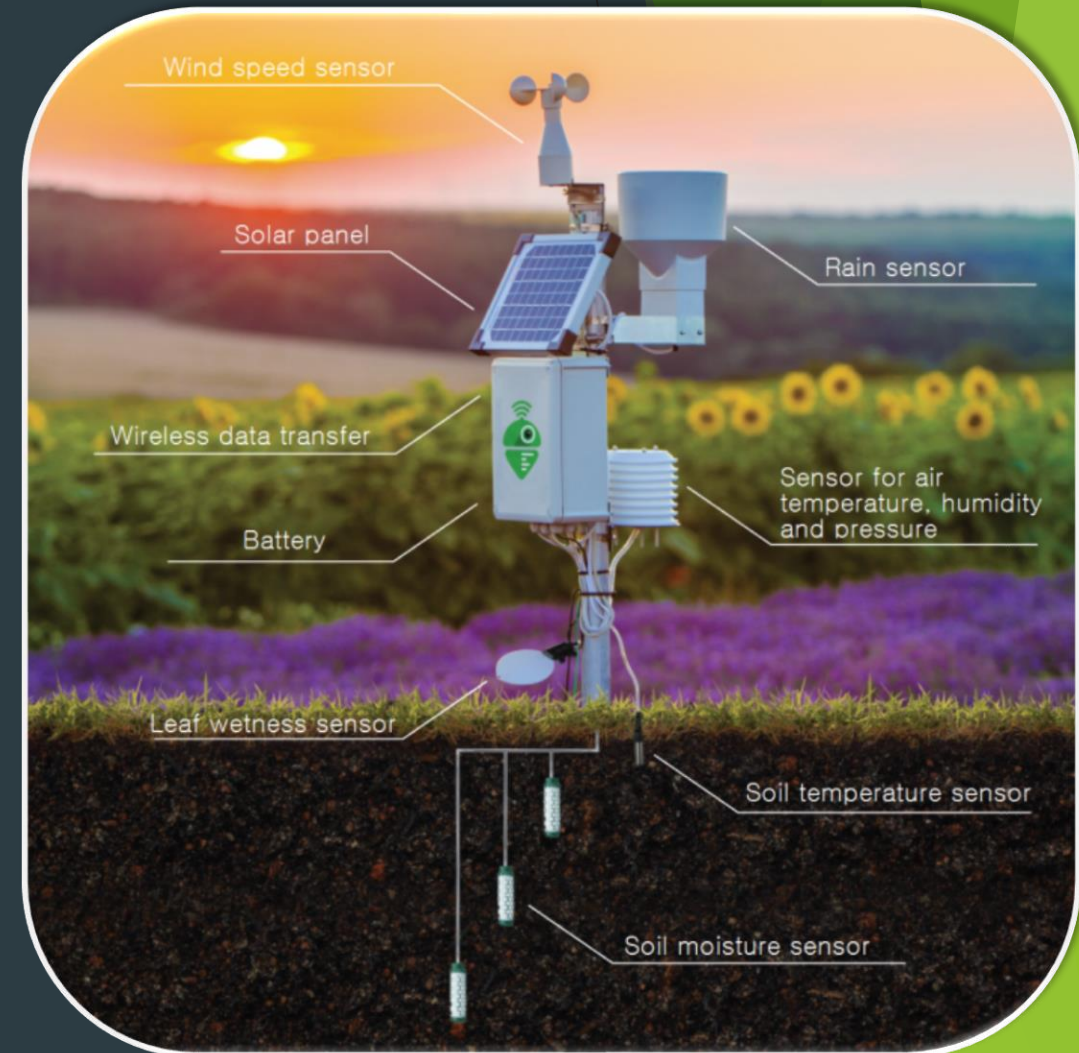
Your reliable and affordable
assistant in the field



What is Meteobot®

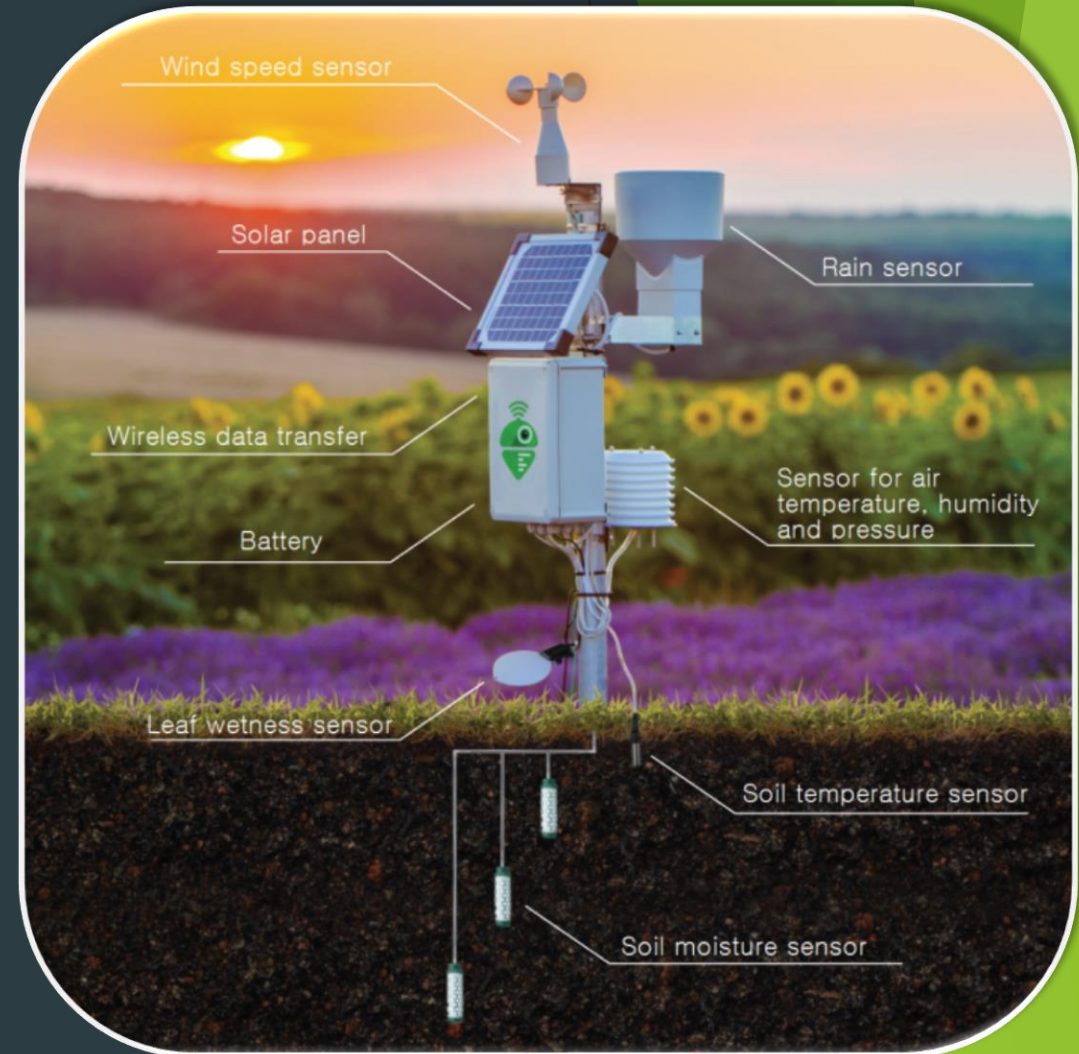
IoT solution for precision and sustainable agriculture

- ▶ Data logger and transmitter
 - ▶ Collects data from sensors
 - ▶ Sends data via GPRS (SIM card)
- ▶ Sensors:
 - ▶ Rain
 - ▶ Soil moisture, temperature and salinity
 - ▶ Air temperature and relative humidity
 - ▶ Wind speed and direction
 - ▶ Leaf wetness
 - ▶ Solar irradiation
- ▶ Server - stores the data from all weather stations
- ▶ Mobile app for Android and iOS



Advantages of Meteobot®

- ▶ Data logger and transmitter:
 - ▶ Developed in-house hardware and software
 - ▶ Manufactured in EU - Bulgaria
- ▶ Sensors from established US and European suppliers
- ▶ Operates from -28°C to +50°C
- ▶ The sensors need no calibration
- ▶ Reliability:
 - ▶ Energy-independent data memory
 - ▶ Autonomous power supply (solar panel and battery)
- ▶ Integration with:
 - ▶ John Deere Operations Center
 - ▶ Many farm management systems
 - ▶ Various forecasting plant disease models
- ▶ Mobile app in your language
- ▶ 2 years full warranty
- ▶ Well-stocked warehouse, especially in high-season
- ▶ Best value-for-money product
- ▶ Weather stations installed on 4 continents



► Meteobot® Micro

- Electronic rain gauge
- Sends data to your mobile device as soon as it starts raining
- It has built-in GPS for security and tracking
- Almost invisible in the field:
 - Only 30 cm high
 - Without solar panel
- Battery lasts for 1 year
- SIM card (no gateway needed)



Meteobot® successfully answers the most frequently asked questions of farmers:

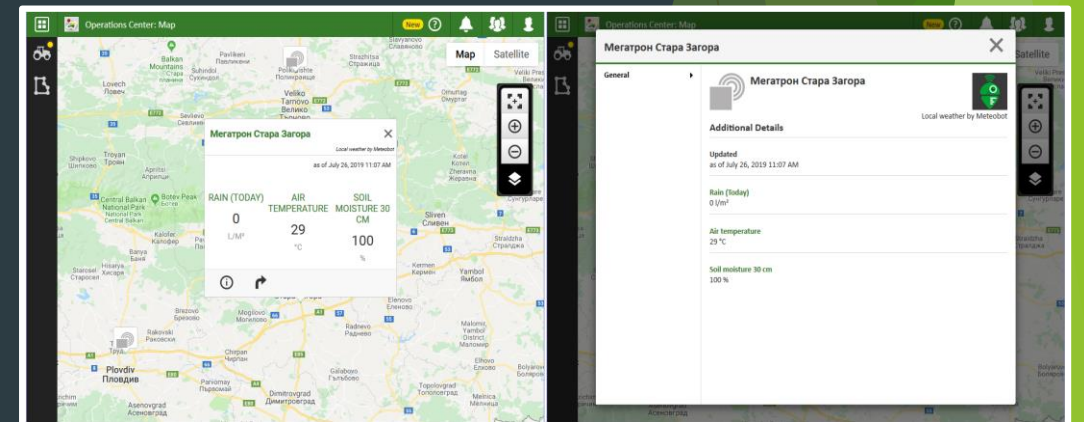
- ▶ Has it rained in the field and how much?
- ▶ Is the field accessible with heavy machinery?
- ▶ When did it rain for the last time?
- ▶ Is the soil frozen?
- ▶ Is the temperature appropriate for germination and emergence?
- ▶ Is it necessary to irrigate?
- ▶ Is there enough moisture for the plants to absorb nitrogen fertilizer?
- ▶ Is there any disease risk?
- ▶ Are the conditions optimal for blooming and pollination?
- ▶ Is it suitable to spray? - strong winds and high temperature make spraying inefficient




Integration of Meteobot with John Deere Operations Center:



- ❑ Customers, who own Meteobot® weather station can view data in Operations Center free of charge.
- ❑ The data are automatically displayed in the Operations Center, where users can see them in real time.
- ❑ Represented as IoT asset of type Sensor, category Device - three of the most important measurements are visible, i.e. rain (today), air temperature and soil moisture.
- ❑ Key future benefits of using both integrated systems:
 - ▶ Real-time weather and soil data on the field level updated every 10 minutes;
 - ▶ Pro-active alerts and notifications;
 - ▶ Plant disease forecasting;
 - ▶ Weather forecast for 10 days ahead;
 - ▶ Historical weather data records - GDD, rainfall sum, evapotranspiration, etc.;
 - ▶ Making of fast data-driven decisions to manage machines, fields and operators in real time;
 - ▶ Having less stress in busy periods prioritizing various operations in the field according to climatic and soil conditions;
 - ▶ Determining the best time to plant, spray, fertilize, irrigate and harvest.





Make your next step with Meteobot® App -
having the most important information
anywhere, anytime.

The data is sent directly from the field,
orchard or vineyard to your smartphone.



Meteobot® App provides you with:

- ▶ Current data from weather stations
- ▶ Historical data
- ▶ Hyper-local weather forecast for 10 days
- ▶ Agronomic indicators such as cumulative rainfall, last measured rainfall, temperature sum (GDD), etc.
- ▶ Weather history for each field
- ▶ Weather alerts and notifications for frost, intensive rain, etc.

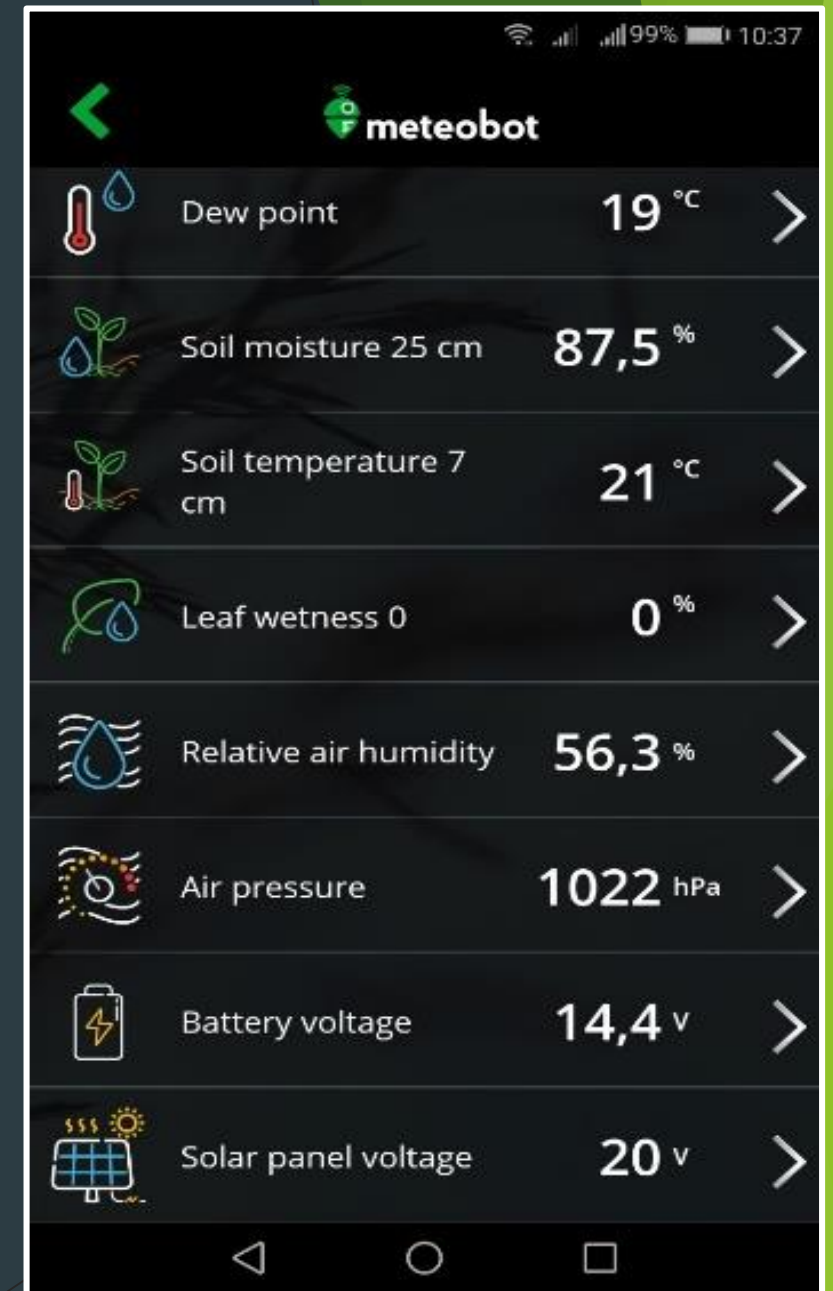




► Current data from weather stations:

Meteobot® App provides you with information from your weather stations - in the form of charts and tables.

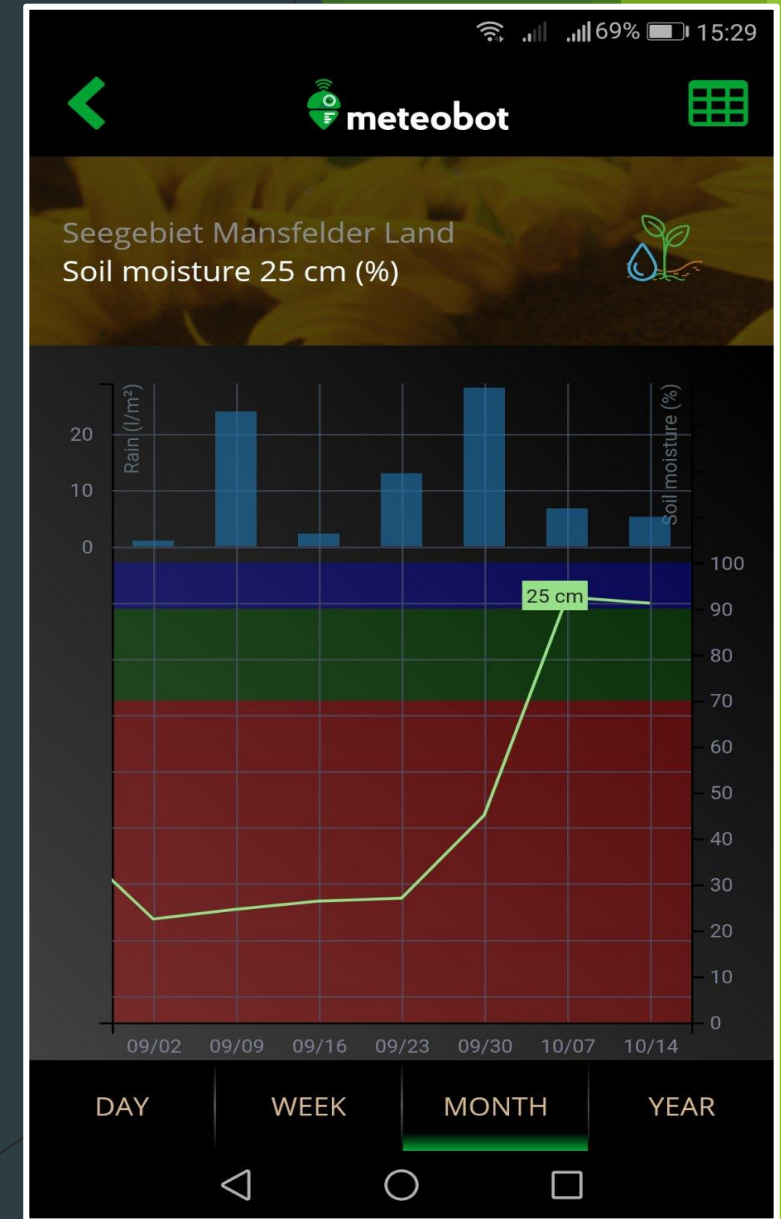
The data logger collects and sends data from all sensors every 10 minutes.



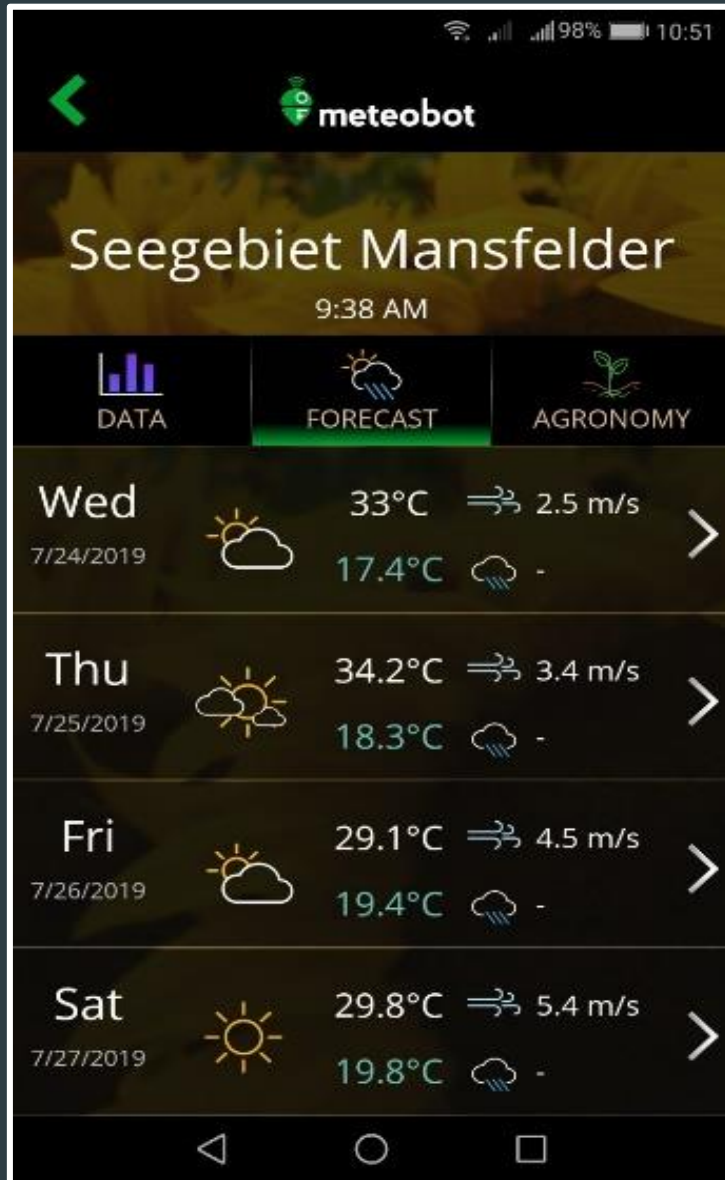
► Historical data from the weather station:



Meteobot® App securely stores the data from all weather stations, for an unlimited period of time. Thus, there are no gaps or omissions - as compared to manual records keeping on paper.



► Hyper-local weather forecast for 10 days ahead



The forecast is generated by the **European Center for Medium-Range Weather Forecasts**, a proven world leader among forecasting systems, whose weather model is known as one of the most precise in the world.

Forecast accuracy:

- For 3 days ahead - 85%, on hourly basis
- From 4th to 10th day ahead - 77%, on 6 hour basis

The weather forecast includes:

- Rain
- Air temperature
- Wind speed
- Wind direction
- Cloud cover
- Fog

► Historical agronomic indicators for every field:

Meteobot® App provides you with extremely important agronomic indicators such as:

- Cumulative rainfall since the beginning of the growing season
- Cumulative rainfall since the date of sowing
- Temperature sum (“growing degree days”) - important for plant vegetation
- Quantity and date of last rainfall
- Expected date and quantity of next rainfall



13 reasons to partner with Meteobot®:

1. Excellent distributor conditions - a VERY ATTRACTIVE margin for you;
2. Expand your product portfolio with innovative product with focus on sustainable and precision farming;
3. The weather stations have proven EU origin and unique unrivalled level of value for money with very competitive end-customer prices;
4. High-quality components - Meteobot® sensors come from established EU and US suppliers;
5. 2 years full warranty;
6. Guaranteed return on investment for farmers in the first growing season;
7. Fast delivery - maximum 5 business days to your warehouse;
8. No minimum order quantity requirement;
9. We provide you with specialized technical support;
10. We react quickly to your specific requirements;
11. Translation of the mobile app, documentation, leaflets and website in various languages;
12. Possible joint participation in exhibitions;
13. Sales and technical training in your office.

“You cannot manage what you do not measure”



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