



Decision Agriculture.

A global solution to managing weather risk and crop health, delivering real-time, actionable insights from your field.



Capture Granular Ground Truth.

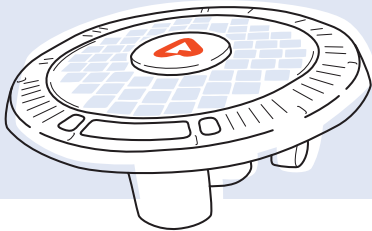
Get scientific-quality readings across locations with the only device to combine weather and plant data, sent to the cloud for retrieval anytime, anywhere. For growers, advisors, and businesses who play a proactive role in the quality and longevity of their operations.

Unprecedented Forecasting Accuracy.

Arable Point Forecast provides precise, microclimate-specific field analysis on a global cellular LET-M / NB-IoT network. Continuously updating forecasts connect weather model output to in-field observations to help growers target operations in daily, monthly, or seasonal timeframes.

An Integrated Analytics Tool.

Access your data from anywhere in real time with the intuitive Arable software platform. Manage and prioritize action in variable conditions utilizing over 40 field-specific data metrics. Continuous visibility of stress, pest, and disease indicators provides an essential toolkit to empower the people who feed the world.



The Arable **Mark** is the first device to link global weather data with in-field observations, producing actionable intel tailored to your conditions.

Simple. Reliable. Durable.



Arable Mark 2 Tech Specs

Unique data, unique insights.



Precipitation

Rainfall to within +/- 6%/hr
Dew Detection



Evapotranspiration

Dynamic Kc
Forecasted Crop ET



Radiation

Solar Radiation



Plant Health

NDVI / MSAVI
Chlorophyll Index
Seven Band Spectrometer



Weather

Temp to +/- 0.8°C at solar noon
Rel Humidity to +/- 5%
Pressure < 0.5 kPa



Harvest / Event Timing

Growing Degree Days



Integrations / Accessories

Soil Moisture Probes
Wind Speed & Direction
Pressure Switch/Transducer
And More



Cellular Connectivity

LTE-M
NB-IoT*
2G
*Availability dependent on location.



Ask us about...

Arable **Mobile**, our new mobile app for on-the-go data access.

Arable **API 2.0** allows for integration into the business tools you already use.



Point Forecasting

One easy-to-use device acts as both weather station and crop monitor, right in your field. Track temperature to within 0.75°C and relative humidity to within 3% margin of error for a real-time, point-scale crop and weather context growers can use to spot trends and make decisions with expert foresight.



Evapotranspiration/ Precipitation

Site-specific evapotranspiration rates and plant-specific dynamic Kc adjust with canopy growth, updated daily at solar noon. Instant access to metrics through the Arable app enables at-a-glance analysis to sort your fields by indicators or stressors, monitor changes, and devise a proactive irrigation plan.



Chlorophyll Index/ NDVI

Monitor plant stress through hourly surface, sky, and dew temperature readings, and receive a daily chlorophyll index to measure plant health. Hourly radiation reports track photosynthesis, while plant growth is visible in a daily NDVI. Get hourly and daily canopy data in real time, day or night, in all kinds of weather.