



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 3G cellular network. Machine-learning, 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 ever to link global weather data with in-field observations, producing actionable intel tailored to your conditions.

Works across a wide variety of crop types and conditions.



Coffee



Wine Grapes



Strawberries



Wheat

Arable Mark Tech Specs

Unique data enables unique insights.



Precipitation

Rainfall to within 0.2mm/hr
Surface Wetness
Dew detection



Evapotranspiration

Dynamic Kc
Canopy Temp to +/- 0.5C
Full Radiation Budget 4% MOE



Radiation

Solar Radiation
PAR 6% daily total
Net Radiation 10% MOE



Plant Health

NDVI / MSAVI
Chlorophyll Index
Seven Band Spectrometer



Weather

Temp to +/- 0.75C
Rel Humidity to +/- 3%
Pressure 0.1% MOE



Harvest / Event Timing

Growing Degree Days
Chilling Hours
Frost Forecast



Integrations / Accessories

Flow Meter
Wind Speed & Direction
Soil Moisture Probes
Pressure Switch/Transducer



Cellular Connectivity

US: Hologram, AT&T,
T-Mobile, Verizon & Local
Carriers
International: Hologram

Ask us
about...

Arable **Distillery**, a new way to access and integrate your data.

Our API offering allows for integration into the tools your business already uses.

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

Hourly leaf wetness reports predict disease risks. Hourly surface, sky, and dew temperature readings combined with a daily chlorophyll index monitor plant stress. Hourly radiation and daily NDVI & MSAVI reports track photosynthesis and growth. Get hourly and daily canopy data in real time, day or night, in all kinds of weather.

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