



# Weather and Environmental Monitoring

Weather affects every aspect of farm operations. From scheduling irrigation to planning harvest, a detailed knowledge of climate conditions helps you minimize risk and maximize profits.

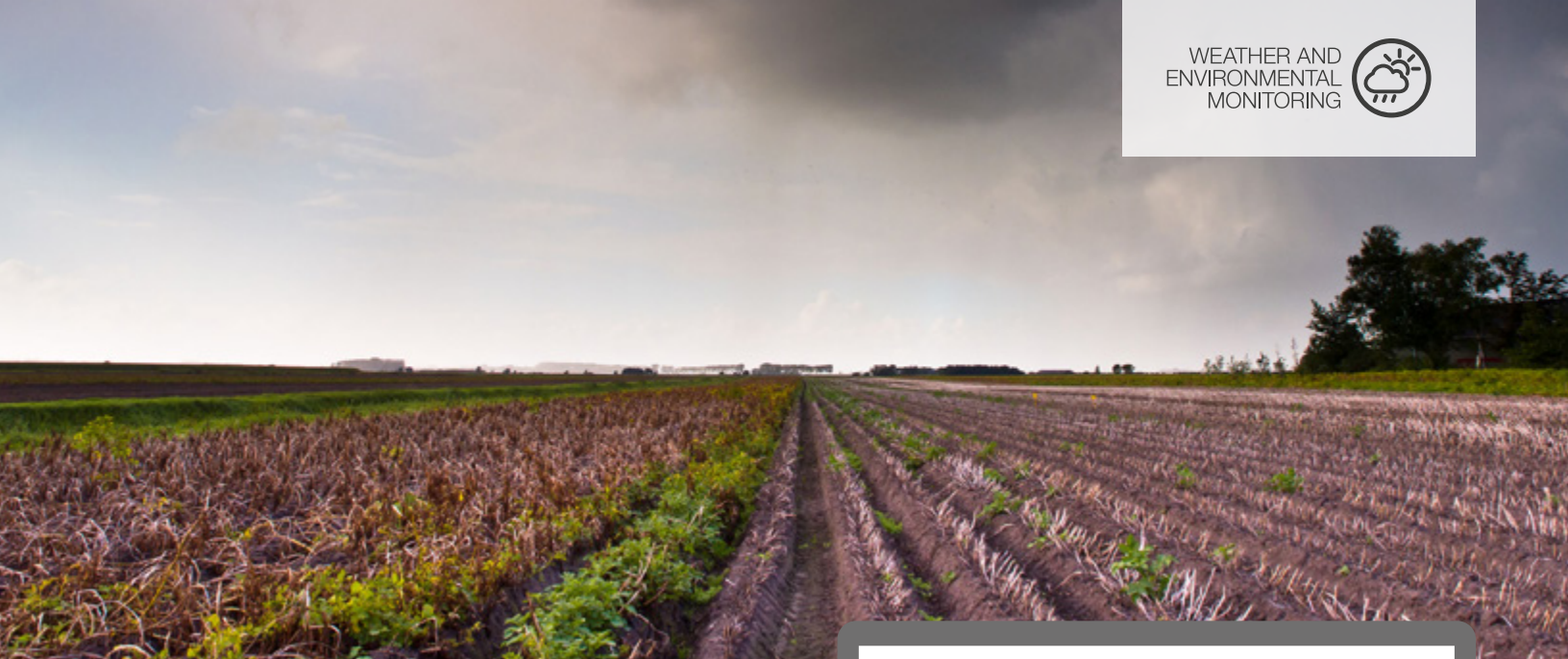
Combined with Soil Moisture Monitoring, Weather and Environmental Monitoring gives you the detailed information you need to make sound decisions about critical farm activities.

## Observant gives insight

Whether you access it from your computer, tablet or smartphone, the Observant Global™ platform helps you incorporate weather and environmental data into daily operations. It can help you achieve better:

- Irrigation management.
- Harvest prediction.
- Frost prediction.
- Pest management.





# Observant measures critical data for your farm

The Observant system monitors what you need, when you need it. It has the capabilities to match any farming situation.

#### **Air temperature**

Used to calculate ET, growing degree days, detect frost, predict pests.

#### **Wind speed and direction**

Used to calculate ET.

#### **Relative humidity**

Used to calculate ET and predict frost.

#### **Solar Radiation**

Used to calculate ET.

#### **Rainfall**

Modifies irrigation schedules, helps plan field operations.

#### **Leaf Wetness**

Detect frost, understand water storage, assess foliar disease.

#### **Estimate Evapotranspiration**

Use multiple weather measurements for real time estimation of ET to schedule irrigation.

#### **Growing degree days**

Track to predict harvest dates.

#### **Frost**

Multiple data inputs can detect and alert to frost conditions.



Observant Global™ images are for illustrative purposes only.

## Weather and environmental monitoring can be deployed using these Observant telemetry units:

- C3 Gateway, C3 Cell, C3 Node.

## Connect to your farm using these third-party devices:

- Davis Instruments VantagePro II Weather Stations P/N 6825C and 6825CX.
- Davis Tipping Rain Gauge P/N 07852.
- Elektronik EE071 Modbus Humidity/ Temperature Probe.

OBS-MKT-BR030