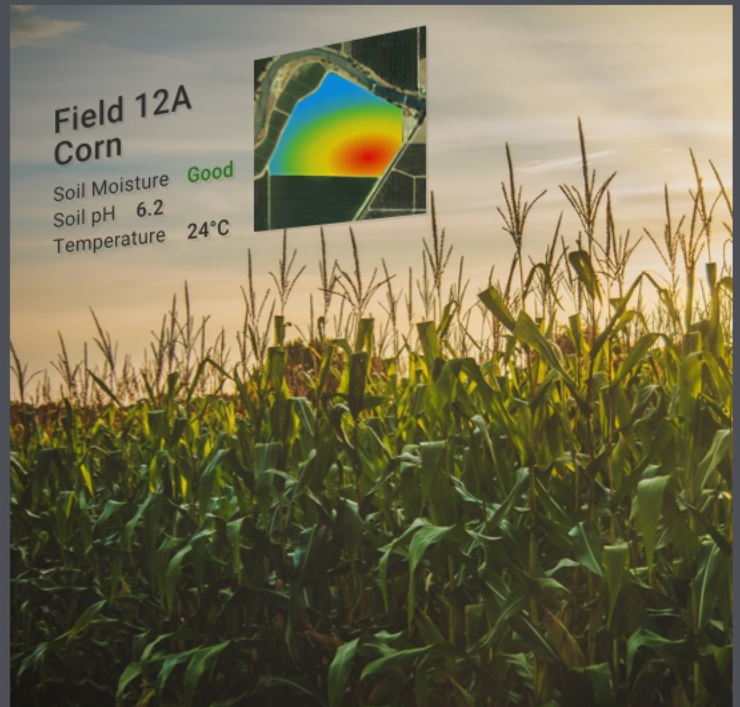


# Agriculture

Direct agricultural sensors are a proven method to increase farmers' crop yield and decrease their resource usage, but current telecommunications networks are either unavailable in rural agricultural areas or too costly to deliver value to the farmer.

**Skylo's affordable satellite network brings in-field intelligence to modern agriculture.**

Skylo Technologies' reliable, secure, and cost-effective platform enables large-scale deployment of satellite connectivity for crop and resource management.



An affordable network of environmental sensors that helps farmers optimize water and fertilizer usage to reduce costs and increase crop yields.

# Example Agricultural Sensors

## Weather Station

Capture key weather parameters such as ambient temperature, humidity, barometric pressure, rainfall, wind speed, and dewpoint.

*Historical and current weather data helps farmers increase crop yields by optimizing decisions for irrigation, fertilizer, disease control, and pest management.*

## Flow Meter

Monitor and manage water flow to support billing and accounting decisions, resource conservation, and compliance with location government regulations and allocations.

*Real-time data for timely water management decisions.*

## Soil Moisture Sensor

Monitor and optimize irrigation rates based on soil and crop type; limit fertilizer and pesticide runoff due to over-saturation.

*Real-time agronomic data reduces costs and maximizes crop yields.*

## Soil pH

Monitor and manage soil pH to maintain optimal levels of nutrients and microorganisms for each specific crop.

*Real-time sensor data helps farmers select which crops should be planted in each field, and maintain soil conditions for optimal growth.*



## Solution Details

- ◆ Ruggedized IP67-compliant hubs support outdoor applications in any almost environment.
- ◆ Flexible hub interfaces support a wide range of agricultural sensors.
- ◆ User-defined collection and reporting frequency allow flexibility across a wide variety of crops and resource monitors.
- ◆ Real-time alerts help farmers react to time-sensitive issues like inclement weather and dry conditions that would otherwise negatively impact crop yield if undetected.
- ◆ Two way commands enable remote control of irrigation networks and resource delivery.
- ◆ Low power consumption enables solar-powered hub and sensor operation paired with battery backup.



## Ready to connect your business?

If you're interested in being part of the future of connectivity for the Internet of Things, then our team in the USA and India are waiting to hear from you.

Email us at:

[info@skylo.tech](mailto:info@skylo.tech)

Find out more at:

[www.skylo.tech](http://www.skylo.tech)