**TAKING THE GUESSWORK
OUT OF GROWING**

THE
YIELD
TECHNOLOGY
SOLUTIONS
®

Sensing+

Your complete microclimate sensing and analytics solution

Sensing+ is an integrated system of hardware and software that provides visibility over your growing conditions – as they happen and 7 days ahead.

Supported by The Yield's world-class analytics platform and Bosch-manufactured hardware, Sensing+ collects, analyses and transforms your microclimate data, before returning actionable insights to your phone and desktop.

A fully-installed and supported system, Sensing+ has been designed to keep you one step ahead of conditions that can impact your crop.

No more chasing information or on the spot calculations, just the tools you need to make the right calls, at the right time.

The tools you need to make the right calls, at the right time

7-day microclimate predictions

Reliable data to support decision making

Robust analytics platform and hardware

Mitigate the risks associated with weather

Optimise use of farm inputs

Save time by reducing manual checks

Your microclimate
matters

360° view of growing conditions
Sensing+ provides an accurate view of microclimate conditions across three important date ranges – current, 7 days ahead and as far back as your system has collected information.

- **Current conditions**: What's happening now. Helps you plan activities, make decisions and optimise farm inputs.

- **7-day predictions**: Always knowing what's coming. Gives you advance warning so you can take or prepare for action, and manage schedules.

- **Historical reports**: Complete the 360° picture. Allows you to review past conditions.

Know your microclimate
Managing microclimate conditions is critical for irrigated crops. During growing season, there simply aren't enough hours in the day to stay on top of data from disparate weather apps or sensors.

To make the right calls you need to know what's happening at each key decision point. Sensing+ can provide reliable, near real-time information from multiple locations.

| Temperature | Rainfall | Relative humidity | ETo/ETc | Soil moisture | Wind speed & direction | Leaf wetness |

Mitigate weather and disease risk

By providing advance warning of on-farm conditions, Sensing+ helps you mitigate the risks associated with weather. As well as using 7-day predictions to prepare for an oncoming event, notifications can be set for when conditions approach, reach or exceed a point you need to know about.

This decision support is invaluable when you need to act fast, like stopping or starting water or spray activities, or protecting your crop from frost or disease.

Optimise farm inputs & your time

With a clear view of past, current and future conditions, Sensing+ helps you to optimise the many on-farm inputs that impact your bottom line.

From water and chemical application to labour, Sensing+ gives you the decision points you need to use resources effectively, while enhancing productivity.

" By using this technology more instantaneous decisions can be made and be more accurate."

– Matt Pooley, Viticulturist

Soil temperature	Soil electrical conductivity	Total solar radiation (PYR)	Delta-T

Data
you can hang your hat on

The power to transform data
Viewed in isolation, raw sensor data is relatively meaningless. The real power comes from new insights that are created when raw data is transformed in our analytics platform.

Sensing+ collects millions of pieces of data and applies artificial intelligence techniques like machine learning to transform it into a usable asset. As we securely manage this process end-to-end, you can have confidence in the information provided.

Always recording, always learning
Sensing+ records data 24/7/365. Importantly, our data science models use this consistent stream to continuously learn and improve, so your predictions get more accurate over time. The models also predict at sensor level, meaning they are as hyper local as scientifically possible.

Apps that make complexity disappear
We spent two years collaborating with growers before building our user interfaces - a mobile app for on the go and a web portal for desk work. Both interfaces are clean and easy to use and allow users to quickly visualise complex data sets.

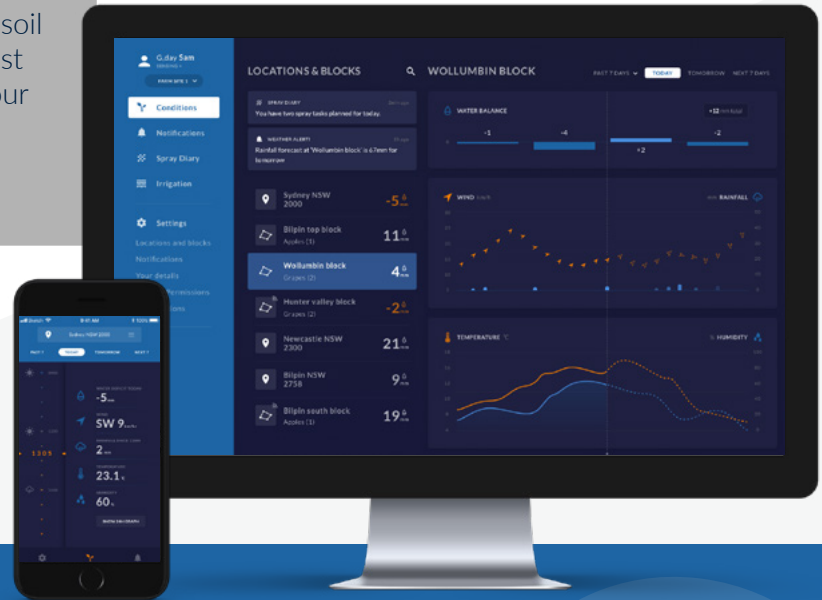### Enterprise-grade data security
On-farm data is housed in the Microsoft cloud, which sets the global standard for enterprise security. It is also encrypted from the moment it is collected. We maintain global best practice data management standards that protect our customers.

Hardware you can trust
Robust hardware is crucial for on-farm sensing. Our sensors, nodes and gateways are manufactured by the world's most trusted names in engineering, giving you confidence that other hardware simply can't.

> " It's easy to use and has the grower in mind. I can look at rainfall, wind speed, temperature, soil moisture, forecast evapotranspiration. It's almost like having anything you need for farming in your pocket, 24 hours a day."
>
> **– Brett Squibb, Apple Grower**

Benefits of reliable data

Models that become smarter

More accurate on-farm predictions

Greater decision making confidence

About
The Yield

The Yield is an Australian agtech company on a mission to transform food and farming with digital technology. We work closely with growers to design our products because we are committed to solving real challenges - at farm level and across the food chain

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