

Quanti Farm

**CROP FARMING DATAS
RECORDING & MAPPING
TECHNOLOGIES**

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FACTSHEET #8



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WHAT ARE THE DATSs?

Digital Agricultural Technology Solutions (DATSs) are digital tools, systems, and platforms that collect, analyse, and use data to improve farm management, productivity, sustainability, and animal welfare. They support better decisions by turning real-time information into targeted actions.

WHAT ARE CROP FARMING DATSs?

Crop Farming DATSs are digital tools, systems, and platforms that collect, analyse, and use data to support crop management decisions. They help farmers understand what is happening in their fields by transforming **real-time and historical data** into actionable insights related to soil conditions, crop status, weather, and field variability.

By supporting more targeted and timely interventions, Crop Farming DATSs contribute to **improved productivity, sustainability, and farm performance.**

WHO ARE THEY FOR?

Crop Farming DATSs are designed for:

Crop Farmers and Farm Managers

seeking to optimise field operations



Advisers and Extension Services

supporting data-driven crop management



Agricultural Consultants and Digital Innovation Hubs (DIHs)

promoting digital solutions



Researchers and Stakeholders

analysing digitalisation in crop farming systems



They are applicable across a wide range of **crop types and farming contexts**.

KEY OBJECTIVES

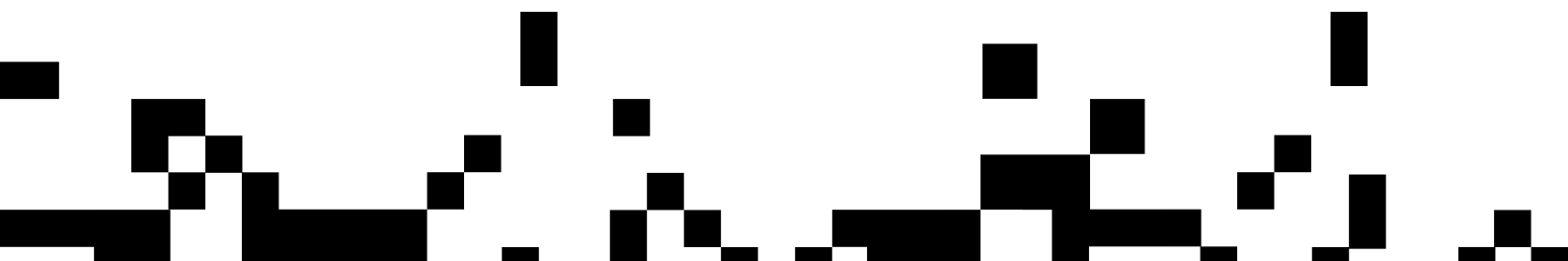
To support better farm management decisions through data-driven insights

To increase crop productivity and efficiency

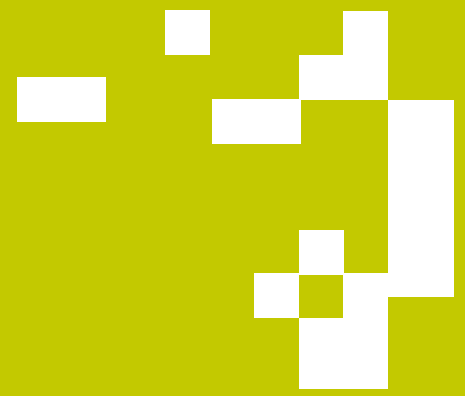
To reduce input use, costs, and operational risks

To improve environmental sustainability and soil health

To enable evidence-based and targeted crop management practices



MAIN FEATURES



Crop Farming DATSs include **Recording & Mapping Technologies (RMT)**, which focus on observing and mapping field conditions:

Soil sensors

Devices placed in the ground that provide information on soil conditions.

Yield mapping tools

Identify spatial variability in crop yields across fields.

Satellite and UAV imagery

Use satellite and drone images to monitor crop status and detect areas of concern.

Weather stations

Monitor rainfall, temperature, wind, and other weather parameters at the farm level.

Together, these technologies help farmers **monitor crop and environmental conditions**, supporting more precise decisions on irrigation, fertilisation, and crop care.

Learn
More



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Contact _____



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