

Quanti Farm

DATs | CATEGORIES FOR CROP & LIVESTOCK FARMING

A simple guide to understanding how
digital technologies support modern agriculture

Developed within QuantiFarm

quantifarm.eu

FACTSHEET #14



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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.

WHY CATEGORISE DATSs?

DATSs cover a wide range of technologies, from sensors and robots to decision support platforms.

Categorisation helps users understand:

- What problem each technology solves
- How it is used on the farm
- How different tools work together

Livestock Farming DATSs

Feed & Live Weight Measurement

Purpose: Optimise feeding and track growth.

Simple explanation: Feed and live weight measurement checks how much food animals eat and how much they weigh, helping you feed them properly and help them grow in a healthy way.

Examples:

Precision feeders

Precision feeders give each animal the right amount of food automatically, helping them grow healthy and reducing waste.



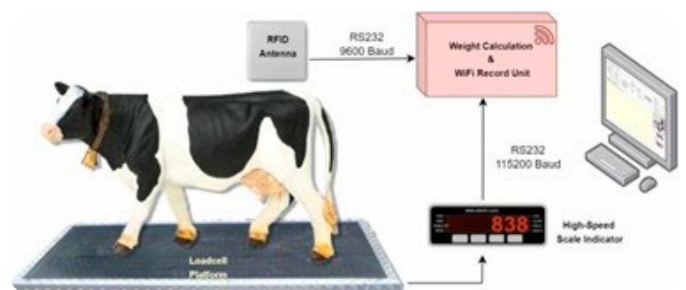
Feed intake monitoring

Feed intake monitoring watches how much each animal eats, helping you feed them correctly and keep them healthy.



Automated weighing

Automated weighing measures the weight of animals by itself, helping you know their growth and health without doing it manually.



WHY DATSs MATTER?

DATs help to:

Increase productivity



Improve environmental sustainability



Reduce costs and operational risks



Protect soil health and animal welfare



Support evidence-based farm management decisions



Want to learn more?

The benefits of DATs are analysed in detail in:

- DATs in crop farming systems [link to paper](#)
- DATs in livestock farming systems [link to paper](#)

Learn
More



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