

ADOPTING TECHNOLOGY ON FARM: KEY POINTS TO CONSIDER

Why Agri-Tech?

- › **Boost Productivity:** Precision technologies can optimise feed, monitor animal health, and streamline operations, leading to higher yields and improved animal welfare.
- › **Reduce Costs:** Efficient resource management (water, fertiliser, energy) and data-driven decision-making can lower input costs and increase profitability.
- › **Enhance Sustainability:** Agri-tech can reduce environmental impact by minimising waste, optimising fertiliser use, and improving land management practices.
- › **Stay Competitive:** Embracing technology can help Welsh farmers adapt to market changes, meet consumer demands, and maintain a competitive edge.



Examples of key Agri-Tech Solutions for Welsh Farmers:

› LIVESTOCK MONITORING SYSTEMS:

- Wearable sensors or GPS collars track animal health, movement, and behaviour, enabling early disease detection and targeted interventions.
- Automated weighing and drafting systems streamline data collection and improve management efficiency.

› PRECISION GRAZING MANAGEMENT:

- GPS-guided fencing systems enable rotational grazing, optimising pasture utilisation and reducing overgrazing.
- Pasture monitoring tools (e.g. drones, satellites) assess forage quality and quantity, helping farmers make informed grazing decisions.

› FEED AND WATER MANAGEMENT:

- Automated feeding and water management ensure consistent nutrition and hydration, reducing labour costs and improving animal performance.
- Feed formulation software optimises rations based on individual animal needs, maximising growth rates and minimising waste.

› DATA ANALYTICS AND FARM MANAGEMENT SOFTWARE:

- Cloud-based platforms collect and analyse data from various sources, providing valuable insights into farm performance, animal health, and financial trends.
- Farm management software helps with record-keeping, financial planning, and regulatory compliance.



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Where to Start:

ASSESS YOUR NEEDS:

Identify the specific challenges and opportunities on your farm where agri-tech could make a difference.



RESEARCH AVAILABLE SOLUTIONS:

Explore the range of agri-tech options available and determine which ones best fit your needs and budget.



SEEK ADVICE AND SUPPORT:

Contact Farming Connect for guidance on agri-tech adoption, funding opportunities and training resources.

START SMALL AND SCALE UP:

Begin with a pilot project to test a specific technology, learn from the experience, and gradually expand as you gain confidence.

EMBRACE LIFELONG LEARNING:

Stay informed about new developments in agri-tech and be open to adapting your practices as technology evolves.

Additional Resources:

➤ Farming Connect



➤ Agri-Tech Action Plan for Wales



Disclaimer: The information provided in this factsheet is intended for general guidance and informational purposes only. Consult with relevant experts and advisors before making any decisions regarding the adoption of agri-tech on your farm.