



Transforming farming with technology



Using advanced sensors, GPS and WiFi technology, scientists are developing high tech tools to do amazing things on farms more accurately and efficiently than humans.

Technology is helping to increase productivity whilst vastly reducing the chemicals used by farmers and protecting the environment.

10-15% less fuel, fertiliser, seed and operational time can be achieved using automatic steering systems.



Drones measure plant growth, detect diseases or lack of nutrients or water. They are even used for surveillance, sowing seeds and herding animals.



Concept robots can scout, sense and treat invasive pests with micro amounts of herbicide or pesticide, weed and harvest crops.



Did you know...

Satellite navigation systems used in the latest tractors are accurate to 2.5cm - the size of a 50p coin - that's precision farming!

Hyperspectral cameras see more than the human eye can see, detecting early stresses such as diseases, and provide data for analysis and action.

