

# Be empowered by **Tramline Trials:** robust, cost-effective, field-scale testing



## The need

Field-scale trials are widely used, especially for marketing new products, but yield maps are often confusing, with large variations, leaving uncertain conclusions.

## The solution

- UK-wide networks of farmers willing to host large-scale coordinated trials.
- Use of satellite and other spatial data to set up fair tramline comparisons.
- New statistical techniques to gauge causes and certainties of apparent yield effects.

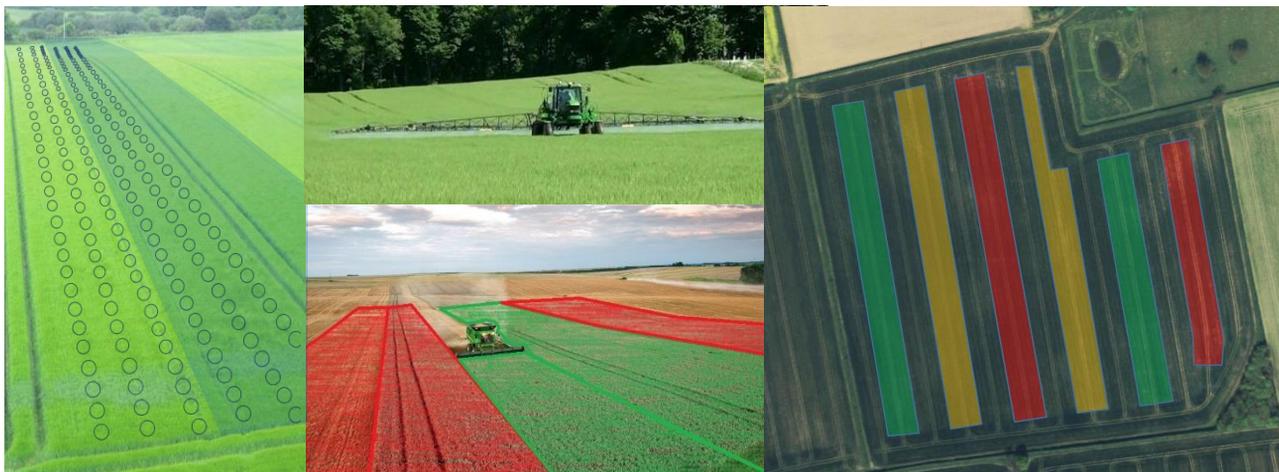
**New!** techniques, giving:

**Enhanced uptake**  
of new crop innovations.

**Increased certainty**  
of product value.

**Greater precision**  
in testing economic benefits.

**Independent validation**  
in commercial settings.

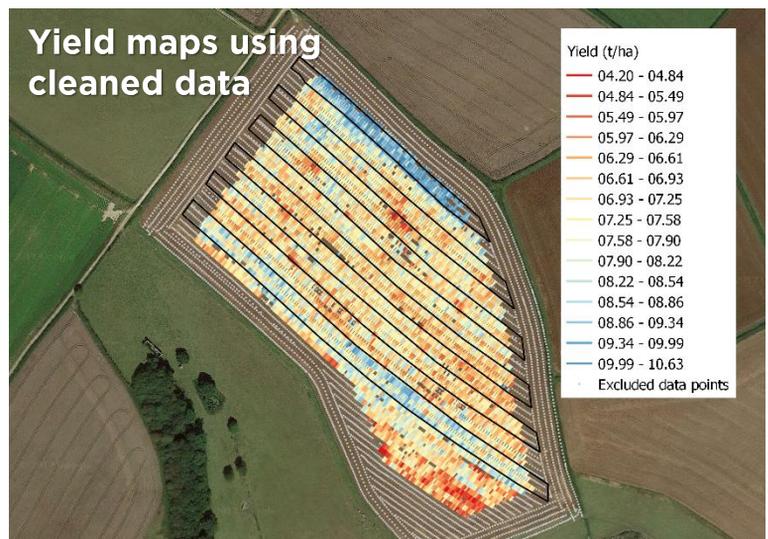


## ADAS objectivity

- ADAS scientists are recognised independent experts in their field, with experience of formulating practical messages and national recommendations.
- With international experts in crop science, GIS and spatial statistics, we have developed bespoke software for managing and analysing tramline trials' data.
- We have experienced field-teams for site visits, based throughout the UK and able to make tests across most environmental and management conditions, as required.
- We offer full confidentiality, or full public dissemination of results, as required.

- ADAS offers a selection of **split field** and **tramline trial** services tailored to the research question and level of client involvement required.
- All experiments are **independent** and **scientifically rigorous** with statistical methods supported by peer-reviewed publications

Project type	Description
Analysis of existing data	Analysis and reporting of raw yield map data from earlier client-run split-field or tramline trials, to determine statistical confidence in treatment differences.
Support of client-led trials	Provision of protocols and trial designs tailored to each site, data analysis and reporting, for split-field or tramline trials sited and managed by a client.
Full split-field or tramline trials service	Finding sites, designing trials, overseeing and visiting trials, data sourcing, data analysis and reporting. Replicated tramline trials can detect significant differences of 0.1-0.4 t/ha; split-field trials can detect 0.1-1.0 t/ha.
Geo-trials	As above, but replicated and analysed across multiple sites to investigate treatment x environment interactions.
High precision tramline trials	Trials with replication and treatment changes within tramlines. Can detect significant differences of <0.1 t/ha.



Any questions or want to know more?  
 Email [agronomics@adas.co.uk](mailto:agronomics@adas.co.uk) or call **01954 267666** and ask for  
 Susie Roques, Daniel Kindred or Roger Sylvester-Bradley

