

Using remote sensing data for higher yields and profits

Make better decisions based on better data
Make better use of remote sensing technology
Optimise and save on nutrients and products

Designed for:

Individuals who want to understand how remote sensing could be used on farm to maximise yield and profits. This course is suitable for those who are making decisions on whether to use remote sensing, or want to use existing technology more effectively to manage inputs

Entry requirement:

An advanced course best suited to **accomplished** practitioners who want to implement the latest agri-tech research and knowledge on farm

Price:

£150 + VAT as part of a subscription to all e-learning courses at www.artistraining.com or £30 for access to this course only

Duration:

2 hours – self paced

CPD points:

4 BASIS points and 1 NRO50 point available

Learning outcomes:

At the end of this course you will be able to:

- Decide how remote sensing could be used effectively on farm
- Interpret colour and NDVI images
- See how remote sensing can be used in yield forecasting
- Use weed maps to plan control strategies

Content:

This course explains the science behind some of the remote sensing techniques that are used in modern farming.

It explains satellite, air-borne and tractor-mounted sensors, what they actually measure and how to interpret the images. Understanding the science behind these technologies will allow you to use them more effectively on farm to help manage your inputs.

The course covers a wide range of topics that explain how to use remote sensing in crop management, including:

- Introduction to the science behind remote sensing
- Interpreting colour and NDVI images in relation to crop growth stages and disease levels
- Spectral reflectance and mapping
- Thermal images and crops, including understanding photosynthesis and respiration
- The role of remote sensing in yield forecasting
- How to use weed maps to plan control strategies
- The science behind remote sensing: summary

Trainers:

Bill Clark, Technical Director, NIAB TAG, Eric Ober and John Cussans, Weed Biology Specialist, NIAB TAG



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Practical Agronomy