

# Building arable rotations for soil fertility, yield and resilience

Optimise whole farm income • Improve profitability  
Build resilience into your farming system



## Designed for:

For individuals who want to make better decisions when planning rotations

## Entry requirement:

An intermediate course best suited to those who are **able** to demonstrate some practical experience

## Price:

£150 + VAT as part of a subscription to all e-learning courses at [www.artistraining.com](http://www.artistraining.com) or £40 for access to this course only

## Duration:

1-2 hours self paced

## CPD points:

2 BASIS and 2 NRoSO points

## Learning outcomes:

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

- Develop, plan and modify rotations that are agronomically and economically resistant
- See how different cultivation techniques will affect your yield and margin
- See the impact of short and long rotations on crop species
- Plan rotations using the *Resilient rotations modelling tool* and see the effect of choices on margins

## Content:

Building arable rotations for soil fertility, yield and resilience will equip you with the skills required to develop durable combinable crop rotations, including the impact of cultivations, crop choice and soil management on yield and gross margin return. Users are guided through the principles of rotational planning, based on results from NIAB TAG's long-term rotational studies.

The course provides access to the interactive Resilient rotations modelling tool. This robust web-based programme can be used for rotation planning, including demonstrating the average gross margin of a chosen system.

Detailed guidance enables the user to develop, plan and modify rotations that are both agronomically and economically resilient. By inputting your own gross margin costings the model can be used as a benchmarking tool against the NIAB standard, based on the impact on margins from long-term experimental trials from NIAB TAG and others.

With the wealth of data that drives the Resilient rotations modelling tool and an understanding of the basis on how crops perform in different cultivation systems in different soil types, it can help users look at their business in a more holistic way and at their land in a wider context.

Building arable rotations for soil fertility, yield and resilience goes beyond just looking at the most profitable rotation combination, helping users develop flexible, long-term resilient strategies by comparing existing practice with different scenarios.

Farmers are reviewing rotation choices for reasons beyond just maximising margin, for example cultural adaptations for managing black-grass. The model allows the user to look at the short and longer term impacts on margin by building in different cultural controls such as cultivation, crop choice and drilling date. It can also help users understand the impact of introducing new crops to meet legislative requirements, e.g. winter beans to meet EFA criteria, and the best cultivation approaches.

## Trainers:

Ron Stobart and Chris Winney, NIAB TAG



eSW01

Soil and Water



For more information or to book online go to [www.artistraining.com](http://www.artistraining.com)  
01223 342444 info@artistraining.com @ARTIStraining