

Using an integrated approach to weed management in arable crops



Designed for:

Farmers, students in agriculture or other professionals related to agriculture who wish to learn more about integrated weed management (IWM) or the IWMPRAISE project to improve crop quality and yields

Entry requirement:

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

Price:

£225 + VAT

Duration:

A one day classroom-based course

CPD points:

Applied for

Learning outcomes:

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

- Identify key weeds based on family characteristics and occurrence in annual narrow-row crops
- Understand historical weed control measures and how certain weeds have become a recurring problem
- Fight herbicide resistance and maximise yields
- Show a working knowledge of IWM and be able to explain the benefits of IWM strategies
- Produce an IWM plan to improve the sustainable control of persistent weeds and be able to show how the approach improves yields whilst reducing environmental impact

Content:

Classroom module 1 (half day)

- The major groups of annual narrow crop weeds (broadleaf weeds and graminoids):
 - How to identify different weeds throughout their life cycle and why it is important to know what you are trying to control
 - Weed biology and ecology
- An overview of control methods:
 - Use of chemicals for weed management; how different herbicides work and why this is important
 - Non-chemical control measures such as crop genetics, cover crops, crop rotation, managing the seed bank and cultural control

Classroom module 2 (half day)

- The development of herbicide resistant weeds, how certain weeds become a persistent problem
- The environmental consequences of weed control, such as pollution and soil erosion
- Novel IWM strategies, how these can achieve weed control and help preserve currently working herbicides
- Examples of IWM from around Europe, as part of the wider IWMPRAISE project
- Research questions for the future
- Developing an IWM plan and how to measure success

Trainer:

John Cussans, NIAB, Agronomy KT Development Manager & Weed Biology Specialist



For more information or to book online go to www.artistraining.com
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