

## INNOVATION IN...PRACTICAL ADVICE

Join us for a cup of coffee, croissants or a bacon butty and find out more about **NIAB TAG Membership**. We provide impartial variety and agronomy information, advice and support to nearly 3,000 arable growers, advisors and industry clients through a range of field days, conferences, online, electronic and printed publications, newsletters and advice. If you're not already a member, find out what you're missing with our event subscription offer.

## INNOVATION IN...CROP PROTECTION

Showcasing plant disease research and new diagnostic techniques in oilseed rape and field beans.

Check the latest developments on yellow rust, including the use of field pathogenomics, with the NIAB UKCPVS team.

## INNOVATION IN...PLANT CHARACTERISATION

Do you know your DUS from your VCU? With facilities and expertise to test over 1,000 new varieties every year, discover the science and skills behind NIAB's unique and long-established plant phenotyping and seed certification services.

## INNOVATION IN...CROP AGRONOMY

Meet the NIAB TAG experts for advice on crop protection and nutrition; farming systems; weed control; plant pathology research; soils and cultivation and variety evaluation.

Understand the risk factors for black-grass control in winter oilseed rape, winter wheat and spring cereals.

The latest advice on new fungicide chemistry, strategies and the role of SDHIs alongside the future role of EU legislation post-Brexit. Compare wheat fungicide programme options in the plots and understand the value of resistant varieties.

## INNOVATION IN...VARIETY MANAGEMENT

30 winter wheat and 15 winter oilseed rape variety demonstration plots showcasing the best current and up-and-coming varieties chosen by NIAB TAG specialists.

## INNOVATION IN...SKILLS

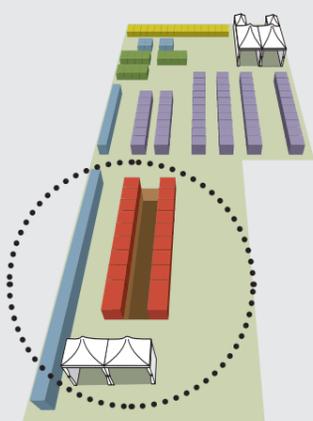
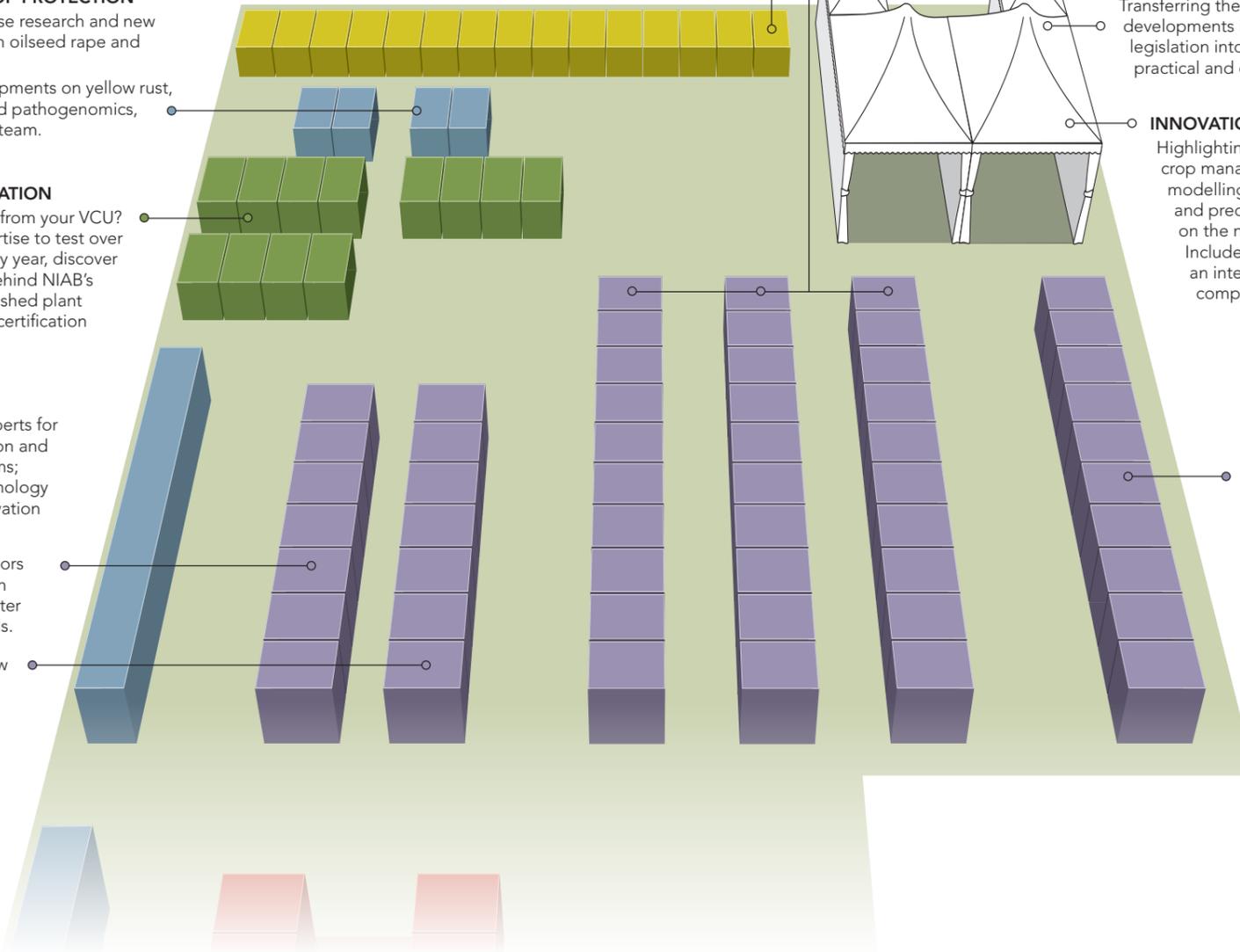
Transferring the latest innovations and developments in crop research, knowledge and legislation into practice on farm with a range of practical and online courses under ARTIS.

## INNOVATION IN...DATA SCIENCE

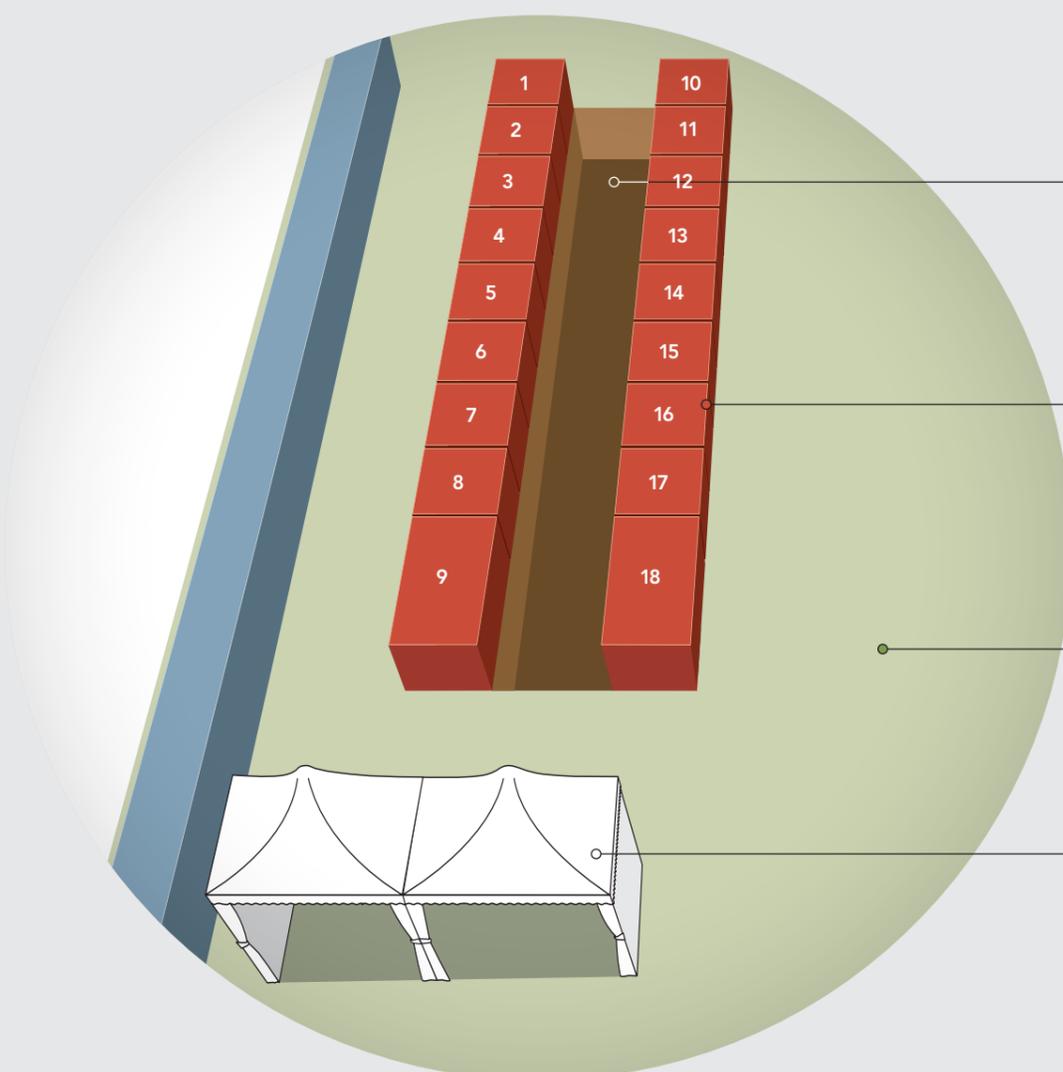
Highlighting the impact of technology on crop management, including the use of modelling tools, big data, crowd-sourcing and precision farming techniques, based on the niabnetwork.com platform. Includes the launch of ActivSmart, an interactive agrochemical product comparison tool.

## INNOVATION IN...PLANT BREEDING

New tools and technologies have the potential to transform arable crop breeding and farming. From GM to gene-editing, superwheat to MAGIC – find out how NIAB's wheat breeding research, and the use of new techniques, is improving the yield, efficiency and resilience of UK crop production.



- 1 Winter beans
- 2 Spring beans
- 3 Spring wheat
- 4 Spring oats
- 5 Winter oats (late drilled)
- 6 Winter oats
- 7 Winter wheat (late drilled)
- 8 Winter wheat
- 9 Spring barley
- 10 Radish and oats (Spring drilled)
- 11 Radish and oats (Autumn drilled)
- 12 Vetch (Spring drilled)
- 13 Vetch (Autumn drilled)
- 14 Spring oats
- 15 Winter oats
- 16 Radish (Spring drilled)
- 17 Radish (Autumn drilled)
- 18 Spring barley



## THE SOIL PIT

Bigger and better in 2017, 20m long, 4m wide and 1.5m deep, NIAB TAG and Rothamsted Research are demonstrating the impact of different crops and drilling dates on soil structure. It includes a new COMPACTED area to illustrate the impact of poor soil structure on rooting ability.

## COVER CROPS

Increasingly popular as an option to improve soil condition and reduce erosion NIAB TAG provides advice on cover crops including crop choice, agronomy and management with a range of mixes.

## CULTIVATIONS

Advice on cultivations, tillage and soil management from NIAB TAG specialists, including a range of cultivations machinery.

## SOIL BIOLOGY & ROOT STRUCTURE

Get closer to the flora and fauna in our soils with experts from GWCT and Rothamsted Research in the soil marquee. NIAB TAG's rhizotrons will also offer a window on the rooting structure of different crops.