

# NIAB PLANT SCIENCE INTO PRACTICE

## INDEPENDENT ARABLE ADVICE AND RESEARCH IN VARIETY CHOICE, AGRONOMY, SOIL AND ROTATION MANAGEMENT, REGEN-AG, CROP GENETICS AND PATHOLOGY

### CROP SCIENCE

Discover how NIAB is using new plant breeding tools and technologies to help shape the future of our crops. Our demonstration plots show how plant breeding research, and the use of new techniques, is improving the yield, efficiency and resilience of global crop production in the face of climate change.

### PLANT DISEASES

Discover NIAB's plant pathology expertise with the latest developments on yellow rust and septoria, the UK Cereal Pathogen Virulence Survey team, plus advice and support in disease diagnostics.

### WHEAT BLENDS

A comparison of treated and untreated variety blends – growing different blends of varieties could increase yields while reducing disease pressure, enabling a reduction in fungicide applications.

### FUNGICIDE INPUTS

Advice on crop protection and nutrition including the latest information in new fungicide chemistry, new strategies and a comparison of wheat and barley fungicide programme options.

### BI-CROPPING

Shining a light on integrated crop management strategies designed to maximise production while minimising stress from climate induced and biotic stresses, with crop plots showcasing bi-cropping options.

### NIAB MARQUEE

Join us for a cup of tea or coffee, croissants and a bacon butty and take a walk around the range of products and services NIAB offers. Check out the latest variety and agronomy information, advice and support with NIAB Agronomy Membership, pick-up information on NIAB's analytical services, chat about your SFI options with our FFRF consultants, or take a look at our range of online and in-person training courses on subjects including agronomy, regen-ag and agri-policy and economics.

### REGEN-AG @ NIAB

The science, technologies and strategies behind regenerative farming at NIAB showcasing how through sustainable intensification and precision agriculture we can still optimise productivity – producing more from less – while at the same time protecting and improving the condition of the land and surrounding environment. Plots explore the range of break crops, plus research work on legume crop improvement and take a look at some of the UK's under-utilised or novel crops that may feature on farm in the future in response to our need for a more resilient agricultural system.

### OILSEEDS

Advice and information on oilseed crop production and management, including variety choice, disease management and continuing research into the control and management of cabbage stem flea beetle.

### NITROGEN STRATEGIES

Alternative fertilisers, bio-stimulants and biological products can help reduce the need for soil applied nitrogen fertilisers. Talk with NIAB staff on how to best understand how they can be used in a nutrition programme without compromising yield.

### VARIETY CHOICE

Advice and opinion on all cereal, oilseed and pulse crops from NIAB specialists, including untreated winter wheat variety plots either already established on the AHDB 2024/25 Recommended List or candidates for the future.

### THE SOIL HOLE

The Soil Hole provides the back-drop to advice and research on soil health and management, rotations, cultivations and fertility building. Check out rotational choices with spring and autumn herbal leys, variety-specific regen-ag wheat and hybrid cereals. The crop plots along each side of the pit allow an assessment of above and below ground crop growth.

