

INDEPENDENT ARABLE ADVICE AND RESEARCH IN VARIETY CHOICE, AGRONOMY, SOIL AND ROTATION MANAGEMENT, CROP GENETICS AND DATA SCIENCE

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.

SOIL AMENDMENTS

Explore the impact of soil amendments versus bagged nutrients on nutrient supply and availability and crop yields with our Farming Systems team.

FUNGICIDE INPUTS

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

WEED CONTROL

Understand the risk factors for weed control in winter oilseed rape, winter wheat and spring cereals – including wild oats, IRG, fescues and other grass-weeds.

VARIETY CHOICE

Advice and opinion on all cereal, oilseed and pulse crops from NIAB TAG specialists, including 32 winter wheat and 19 winter oilseed rape untreated variety plots, either already established on the AHDB 2021/22 Recommended List or candidates for the future.

PLANT DISEASES

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

NIAB KNOWLEDGE HUBS

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 TAG Membership**, introduce yourself to our new agritech business incubator **Barn4**, buy one of **BCPC's** range of impartial crop production focused publications, manuals, handbooks and online databases, then discover NIAB's **new pulse breeding initiative**.

CROP SCIENCE

Discover how NIAB is using new plant breeding tools and technologies to help shape the future of our crops, with a focus on nitrogen use efficiency. From GM to gene-editing, re-synthesis to MAGIC – our demonstration plots show how wheat 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.

PROTEIN CROPS

Uncover the benefits of protein crops by exploring the research work on legume crop improvement, the opportunities for crop diversification and lowering inputs on farm and new market prospects as a plant-derived protein source in food and animal feed.

WINTER OILSEED RAPE

The 19 winter oilseed rape untreated variety plots include those established on the AHDB 2021/22 Recommended List or candidates for the future, plus a comparison of late autumn and spring drilled varieties in the fight against CSFB.

NIAB KNOWLEDGE HUBS

Pick up information on **NIAB LabTest's** analytical services, unlock the facts and figures behind NIAB's extensive and successful independent **field and glasshouse trialling services**, learn about **regenerative agriculture** with our training programme and battle the beetle with our **csfbSMART** project.

GOING UNDERGROUND

NIAB and project partner soil specialists will be providing advice on soil management, rotations, cultivations and fertility building, and cover crops including crop choice, agronomy and management. The popular 20 m long, 2 m deep walk-through Soil Pit exhibit is an opportunity to check out the local soil profile at eye level. With a focus on rotational choices – spring and autumn herbal leys and alternative break crops – plus an opportunity to compare hybrid and conventional WOSR, wheat and barley, the crop plots along each side of the pit allow an assessment of above and below ground crop growth.