



Cereals in Practice is a unique event, bringing variety trials and research together in one place to create a must-attend event for anyone interested in cereal farming and associated industries.

Aimed at farmers, agronomists, industry and scientists working with cereals, the event showcases and brings together the messages arising from Scottish Government funded work on sustainable cereal production from the main research providers SRUC (Scotland's Rural College) and James Hutton Institute.

Programme

2.30pm Registration

2.45pm Welcome and briefing

From **3pm onwards**, visitors are welcome to visit the plots and indoor demos at their leisure for the rest of the afternoon. There is also an option of joining a guided tour of the outdoor plots.

4.00pm Hogroast

7.30pm Event ends

Field Trials and Demonstrations

• **Integrated Pest Management - what are the win:wins?**

IPM practices may provide opportunities to improve crop yields in more sustainable ways but there is confusion around what IPM is and how it can help. This stop will discuss IPM planning, looking at the immediate win:wins such as more targeted fungicide sprays and the use of varietal resistance. It will also look at some of the developing technologies that might improve sustainability in future and provide updates on fungicide efficacy, resistance management and stewardship.

• **Where does all the N go? Lessons from studies of NUE in cereals**

We have demonstrated that the varieties that yield best under high N inputs are also the ones that yield best under reduced or zero inputs. We have also demonstrated that breeding has increased the genetic yield potential of new varieties but this appears to be largely due to N budgeting within the crop as there is little evidence of any change in N uptake efficiency.

• **New spring barley varieties: what attributes has breeding progress left behind?**

Breeders have demonstrably improved the yield and malting potential of barley with on-farm yields showing a significant increase since 2000. Other barley characters have not shown significant improvement with a trend to increased skinning and no progress in aspects of malt processability. Improvements in these aspects would improve the marketability and spread of nitrogen bandings.

• **Alternative crops and cropping**

These demonstration plots provide a backdrop to several new collaborative Scottish Government funded research projects including "Novel crops" and "Alternative approaches to sustainable land management". These trials include cover crops, nitrogen fixing crops and protein crops, grown either as monocrops or as intercrops (crop mixtures). The research has direct relevance to CAP greening and will assess yield, quality, multiple end-uses, biological nitrogen fixation, biodiversity and soil improvement within the systems over a number of seasons. This work is linked to a number of co-funded projects.

Displays and dialogue

Exhibits from the James Hutton Institute, SRUC, SSCR and AHDB will be on show during the event offering you an opportunity to discover more about our recent scientific developments. Some of the topical issues you can expect to see:

- **Integrated Pest Management Policy Plan**
- **Blob's your Uncle: Visualizing Cereal Pedigrees with Helium**
- **Loirston Trust Winter Wheat Challenge**
- **Crop Clinic - pathogen and pest identification**
- **International Barley Hub**
- **Centre for Sustainable Cropping**
- **Spot the Mutant!**
- **Barley for Food and Drink**
- **UAVs and drones**



BASIS and NRoSO points will be awarded to attendees on the day.

For further information about this and similar events, please visit:
www.hutton.ac.uk/events

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Registration

Please register in advance at

CIP2016.eventbrite.co.uk

Alternatively bring your completed form with you on the day.

Name: _____

Company: _____

Address: _____

Tel: _____

Email: _____

Farmer Advisor Research

Marketing Agrochemical Trade Manufacturer

Other

Please Specify _____

If you are a farmer, what area of cereals do you grow?

Wheat _____ Barley _____ Oats _____ Mix _____

Other _____

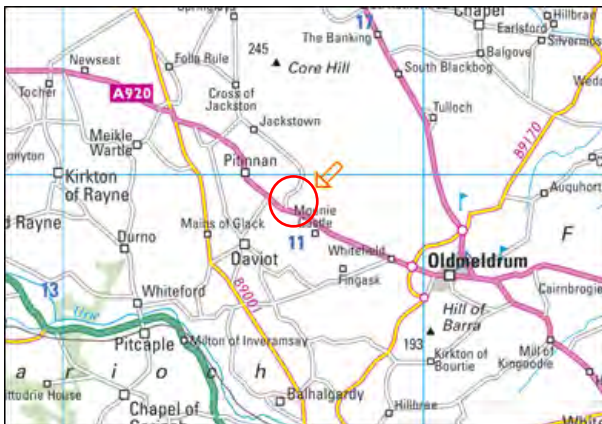
Please Specify _____

Are you a member of SSCR? Yes No

If not would you like more information? Yes No

Would you like to be kept up to date with other James Hutton Institute and SRUC events and conferences? Yes No

Register by 1 July to be entered into the SSCR prize draw



We look forward to welcoming you to Cereals in Practice 2016



The James Hutton Institute and SRUC would like to thank RESAS and AHDB for funding research and trials and SSCR for sponsoring the event.

The information you give will only be used to process your registration. We will not pass your details on to any third parties. If you wish to remove yourself from our mailing list, or to check what details we hold about you, please email events@hutton.ac.uk or write to us at: Events, The James Hutton Institute, Invergowrie, Dundee DD2 5DA with your full name and address, the nature of your contact with the James Hutton Institute and the type of mail you have been receiving.

Cereals in Practice

Tuesday 5 July 2016

2.45pm – 7.30pm

Saphock Farm, Oldmeldrum AB51 0EY

 #CerealsInPractice



This free event is a must attend for those in the cereals industry. It offers an excellent opportunity to see the 2016 crop trials and learn the latest research.

