



# Crop Production in Northern Britain 2024

*Apex Hotel Dundee, UK*

27-28<sup>th</sup> February 2024 ([Event website](#))



## PROVISIONAL PROGRAMME

[www.cpnb.org](http://www.cpnb.org)

**Association of Crop Production in Northern Britain**

Registered Charity No. SCO 14888; <http://www.cpnb.org>

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# Crop Production in Northern Britain 2024

Apex Hotel Dundee, UK  
27-28th February 2024

CPNB 2024 ("The Dundee Conference") is the foremost Conference concerning environmental management and crop production and associated topics in northern environments. Whilst the long-established Association for Crop Protection in Northern Britain is not changing its name, the change in the title of the Conference to Crop PRODUCTION, reflects the wider remit of recent conferences.

We are delighted to be working with the Association of Applied Biologists to organise our 2024 meeting, which will bring the community back together for an in-person meeting hosted at The Apex Hotel in Dundee.

The scientific presentations at CPNB are usually divided into sessions on 'Potatoes', 'Combinable Crops' and 'Agriculture and the Environment'.

However we encourage people working outside of those specific areas to submit an abstract to the meeting as we look forward to broadening the remit of the meeting into any area of agricultural and horticultural productivity in Northern Britain.

## PROGRAMME

### Tuesday 27<sup>th</sup> February

08:30 REGISTRATION

09:30 WELCOME and INTRODUCTION  
FIONA BURNETT (SRUC, Edinburgh, UK)

09:45 **KEYNOTE SPEAKER**  
Climate change impacts on land: a north-south divide  
MIKE RIVINGTON (James Hutton Institute, Aberdeen, UK)

**Session One: Agriculture and the Environment**  
CHAIR: TBC (TBC)

10:15 Invited speaker  
TBC  
LORNA SLATER (The Scottish Parliament, Edinburgh, UK)

10:45 Exploiting phyllosphere microbes to strengthen UK cropping systems  
LORENA RANGEL (The James Hutton Institute, Dundee, UK)

11:05 Grieves House Tillage Trial: What have we learnt from six years of transition to no-tillage cultivation  
TRACY VALENTINE (The James Hutton Institute, Dundee, UK)

11:25 Ten years of the SEEDS database: What can seed testing results tell us about cereal seed quality in Scotland  
LAURA BOWDEN (SASA, Edinburgh, UK)

11:45 To plough or not to plough?  
JACK JAMESON (Teagasc, Carlow, Ireland)

12:05 LUNCH

## **Session 2: Combinable Crops**

CHAIR: TBC (TBC)

13:15 Invited speaker  
TBC  
JAMES BROSNAN (The Scotch Whisky Research Institute, Edinburgh, UK)

13:45 Investigating the impact of different cultivation systems on crop performance in cereal crops  
LAURIE ABEL (RSK ADAS Ltd, UK)

14:05 Multiplex digital droplet pcr assay for the detection of barley pathogens  
RABISA ZIA (Teagasc, Carlow, Ireland)

14:25 Fusarium spp. from Irish cereals: Contributions towards the development of a decision support system to minimise mycotoxin levels in cereal produces  
DIANA E BUCUR (Teagasc, Carlow, Ireland)

14:45 BREAK

15:15 Potential for genetic control of Ramularia leaf spot in barley  
LAURA ROEDIG (TBC)

15:35 Tillage, season, management and crop history all affect yield ranking. Which is more important for resilience assessment?  
ADRIAN C NEWTON (The James Hutton Institute, Dundee, UK)

15:55 Monitoring the sensitivity of Zymoseptoria tritici populations to the azole fungicides  
STEVEN KILDEA (Teagasc, Carlow, Ireland)

16:15 Why and how government should support IPM  
HENRY CREISSEN (SRUC, Edinburgh, UK)

16:35 Control of barley diseases in IPM programmes  
NEIL HAVIS (SRUC, Edinburgh, UK)

16:55 SHORT POSTER TALKS

P1 Improving aphid and BYDV monitoring  
JACK PERRY (Teagasc, Carlow, Ireland)

P2 Influence of grazing winter cereals with sheep on agronomic factors including crop pathogen and weed pressure  
LUKE HARROLD (SRUC, Edinburgh, UK)

P3 An evaluation of the potential for Bokashi manure treatment in the UK  
AUDREY LITTERICK (Earthcare Technical Ltd., UK)



- P4 Dissemination of *Pectobacterium atrosepticum* by aerosols and insects  
GREIG CAHILL (SASA, Edinburgh, UK)
- P5 Varietal resistance as an IPM tool for Scottish barley crops  
KAIRSTY TOPP (SRUC, Edinburgh, UK)
- P6 IPM Information on Social Media  
HENRY CREISSEN (SRUC, Edinburgh, UK)
- P7 Risk perception influences crop protection decisions  
HERNAN DEGIOVANNI (SRUC, Edinburgh, UK)
- P8 Influence on environmental conditions on Fusarium Head blight and mycotoxin levels in Scottish cereal crops  
NEIL HAVIS (SRUC, Edinburgh, UK)

17:30 POSTER SESSION AND DRINKS RECEPTION

19:00 CONFERENCE DINNER

# February 28<sup>th</sup> 2024

09:00 REGISTRATION

## **Session 3: Potatoes**

CHAIR: TBC (TBC)

09:30 Invited speaker

TBC

EWEN MULLINS (Teagasc, Carlow, Ireland)

10:00 A National potato innovation centre for the UK and beyond

IAN TOTH (The James Hutton Institute, Dundee, UK)

10:20 Can microbial inoculants enhance growth of potato in compact soil?

PATRICK SKILLETER (Lancaster Environment Centre, Lancaster University, UK)

1040 Impact of a changing pathogen population on efficacy of control measures for potato late blight

ALISON LEES (Lancaster Environment Centre, Lancaster University, UK)

11:00 BREAK

11:30 Potato cyst nematodes and the future of potato production in Scotland  
JAMES PRICE (The James Hutton Institute, Dundee, UK)

11:50 A Proactive Approach to Managing Aphid Vected Viruses in Scottish Seed Potato Production  
KYRAN MALONEY (SAC (SRUC), Edinburgh, UK)

12:10 Patterns and predictors of potato viruses in Scotland  
PETER SKELSEY (The James Hutton Institute, Dundee, UK)

12:30 OurSmartFarm: A crop growth monitoring and decision support system for Scottish farmers  
MOHAMED JABLON (The James Hutton Institute, Dundee, UK)

12:50 LUNCH and MEETING END

