



Technological Innovation for Integrated Pest, Pathogen and Weed Management



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Preliminary Programme

Tuesday November 3rd

Belmont Hotel, 20 De Montfort St, Leicester LE1 7GR

0900- 0945 Registration open

0955-1000 Welcome

1000-1030 **Neal Evans (The Voluntary Initiative)**
25 years of the Voluntary Initiative and the looking to the future.

1030- 1230 **Session 1: Prevention**

1030-1100 **Rachel Wells (John Innes Centre)**
Genetic approaches for the integrated pest management of cabbage stem flea beetle (*Psylliodes chrysocephala*)

1100-1130 *Break*

1130-1230 **Session 1 cont'd**

1130-1150 **Avic Hall (University of Hertfordshire)**
Do you always need to see disease before you implement control measures? The on farm Strawberry Powdery Mildew DSS

- 1150-1210 **Matevz Papp-Rupar (Niab)**
New technological and cultivation-based approaches for management of pests and diseases in commercial apple orchards – preliminary outcomes
- 1210-1230 **Neil Havis (Scotland's Rural College)**
The Impact Of New Cultivation Options And New Cropping Systems On Spring Barley Production
- 1230-1400 *Lunch*
- 1400-1540 **Session 2: Detection and Decision Support**
- 1400-1430 **David Comont (Rothamsted Research)**
Title TBC
- 1430-1500 **Sacha White (AHDB)**
Improved decision support for Barley yellow dwarf virus (BYDV)
- 1500-1520 **Kamilla Himinec (Aarhus University, Denmark)**
Investigating the disease dynamics in a Single-Axis Tracking Agrivoltaic system
- 1520-1540 **Jon West (Rothamsted Research)**
Crop-associated structuring of airborne fungal communities above wheat and oilseed rape in Spring 2024

1540-1600 **Short poster talks**

P1: Rebecca Sanders (University of Warwick)

IPM: The Conceptual Revolution

P2: Firdevs Goduc Sahan (Manisa Viticulture Research Institute, Türkiye)

Efficacy and Non-Target Safety of Botanical Essential Oils Against Tomato Leafminer (*Tuta absoluta*) and Its Biocontrol Predator *Macrolophus pygmaeus*

P3: Poorniammal Rajendran (Tamil Nadu Agricultural University India)

Actinobacterial Secondary Metabolites as Potential Bioherbicides for Pre-emergence Weed Management

P4: Hubert Bolie (University of Yaounde, Cameroon)

Antifungal and metabolomic of organic manure extracts on *EXerohilum turicum*: Mycelial and Gcms identification

1600- 1630 *Break*

1630- 1800 **Panel Session: On-Farm Application of Biocontrol**

1630- 1640 **Lottie Alves (Nature Friendly Farming Network)**
Title TBC

1640-1650 **Georgia Bray (RSPB)**
Title TBC

Panel Discussion

Participants

- Lottie Alves (NFFN)
- Georgia Bray (RSPB)
- Dave Chandler (University of Warwick)
- Mark Ramsden (ADAS)
- Neil Evans (The Voluntary Initiative)

1800

Drinks Reception and Conference Dinner

Wednesday November 4th

0830-0900 Registration open

0900-1100 Session 3: Control

0900-0930 **Ben Magri (Syngenta)**

Title TBC

0930- 1000 **Rumiana Ray (University of Nottingham)**

Title TBC

1000-1020 **Laura Sapelli (ADAS)**

LLS-ERASED: developing on-farm experimentation methods to improve control of light leaf spot disease in oilseed rape

1020-1040 **Allah Bakhsh (University of the Punjab, Pakistan)**

CRISPR-Cas9 mediated mutants of RNA Polymerase II (RNAPII) C-Terminal Domain Phosphatase like 3 Gene in tomatoes show enhanced resistance against bacterial infection

1040-1100 Kevin King (Rothamsted Research)

Discovery of SDHI resistance in *Plenodomus biglobosus*, an emerging phoma stem canker pathogen of oilseed rape

1100-1130 Break

1130-1230 **Discussion Session: Strategies to maximise funding opportunities that support the innovation and uptake of IPM: Focus on ADOPT**

1230- 1330 *Lunch*

1330- 1530 **Session 4: Integration**

1330- 1400 **Mark Ramsden (ADAS)**
From Principles to Practice: Strengthening Integration within Holistic IPM

1400-1420 **Neil Havis (Scotland's Rural College)**
Novel Integrated Barley Disease Control Programmes

1420-1440 **Will Smith (ADAS)**
Encouraging the uptake of on-farm technology for weed management

1440-1500 **James Hourston (Eden Research)**
Developing new biopesticides for use in global crop protection

1500 Meeting End