

Rising to the challenges: 16th - 17th July 2014



Sustainable
resources



Climate
change



Health and
nutrition



Food
security

DAY 1 – THE CHALLENGES

9.30-10.00 ARRIVAL AND REGISTRATION

10.00-10.20 Welcome and introduction NIAB Innovation Farm

Dr Lydia Smith; Head of NIAB Innovation Farm

10.20-10.50 Engineering the nitrogen-fixing symbiosis into cereals

Professor Giles Oldroyd; Project Leader, John Innes Centre

11.00-11.15 REFRESHMENTS

11.15-11.45 Plant genetic innovation and pollinator attraction

Professor Beverley Glover; Director, Cambridge University Botanic Gardens

11.45-12.15 Exploiting root traits for improved crop performance

Dr John Hammond; Senior Research Fellow, University of Reading

12.15-13.00 Q & A/ DISCUSSION SESSION

13.00-14.00 LUNCH

14.00-14.30 Delivering sustainable intensification for global food security

*Professor Peter Gregory; Global food security, University of Reading
& CEO East Malling Research*

14.30-16.30 TOUR OF GLASSHOUSE & VENUE FACILITIES

Overview of exhibits & Sophi Taylor building

NIAB Innovation Farm Team

Optimising glasshouse lighting to maximise photosynthesis

Professor Philip Mullineaux & Dr Tracy Lawson; University of Essex

GutterGrow vertical allotments

Mike Anstey; Director, Sustainable Opportunities Ltd

16.30 -17.30 POSTER SESSION, WINE, NIBBLES AND NETWORKING

18.00 -20.00 DINNER - The Gourmet Barbeque Company



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DAY 2 – APPLYING SOLUTIONS

9.00-9.30 ARRIVAL AND REFRESHMENTS

9.30-10.00 Using the blight-resistant Sarpo potatoes to control blight and reduce the pesticide load

Dr David Shaw; Director of Research, Savari Research Trust

10.00-10.30 Improving root structure and nodulation in legumes

Dr Pietro Iannetta; Molecular Ecologist, The James Hutton Institute

11.15-11.30 REFRESHMENTS

11.30-12.00 Increasing diversity through wheat resynthesis and wide crossing

Dr Phil Howell; Programme Leader, Cereals Pre-Breeding, NIAB

12.00- 13.40 FIELD TOURS INCLUDING EXTERNAL SPEAKERS

Using related species for wheat improvement

Dr Phil Howell; Programme Leader, Cereals Pre-Breeding, NIAB

Managing Quinoa and Borage in the rotation

Peter Fairs; Director, Fairking Ltd

Optimising flowering for a changing climate

Dr Alison Bentley; Senior Scientist, NIAB

Improving root architecture in pulses

Dr Pietro Iannetta; Molecular Ecologist, The James Hutton Institute

Nutritional qualities of Purple Majesty Potatoes

Gillian Kynoch; Development & Innovation Director, Albert Bartlett

Margin mixes for biocontrol and biodiversity

Dr Jason Baverstock; Research Scientist, Rothamsted Research

Disease control and improvements in potato breeding

Gavin Towers; Seed Technical Manager, Agrico

13.40-14.30 LUNCH

14.30-16.30 THEMED DISCUSSION ON UK AGRICULTURE & AGRI-TECH STRATEGY

Panel members include:

Dr Belinda Clarke; Director, Agri-Tech East

Professor Achim Dobermann; Director, Rothamsted Research

Patrick Stephenson; Independent Agronomist, NIAB TAG regional agronomist and AICC Chairman

