



Sustainable Intensification: Growth from research and technology

Tuesday 30 October 2012

Syngenta, Jealott's Hill International Research Centre, UK

Organised by SCI's BioResources Group



10:00 Registration and refreshments

Session 1 - Infrastructure and platforms for future success

10:30 **Chair's introduction** - David Evans, ex-Syngenta, Switzerland

10:35 **Sustainable intensification: what is it and why is it so vital?**
David Lawrence, BBSRC, UK

11:05 **AgBalance - how to measure progress in sustainable agriculture**
Rainer von Mielecki, Peter Saling and Dirk Voeste, BASF, Germany

11:35 **Implementation - constructing the platforms from idea to product**
Simon Turner, Canopus Management, UK

12:05 Discussion

12:30 Lunch and posters

Session 2 - Essential ingredients for sustainable intensification

13:45 **Chair's introduction** - Len Copping, UK

13:50 **Innovation in chemical technologies for the sustainable intensification of agriculture**
Mike Bushell, Syngenta, UK

14:20 **New varieties by redesign or rapid steps**
Simon Bright, Biosciences KTN, UK

14:45 **Optimised fertilizer use efficiency for crop nutrition and GHG reduction**
Kevin Moran, ex-Yara, UK

15:15 Refreshment break

15:30 **Precision mitigation: using modern imagery and modeling technology to help growers reduce the impacts of intensive agriculture on water quality**
Paul Hendley, Syngenta, USA; C. M. Harbourt; P. S. Miller; J.D. Davis. J. Prenger and M. Andrus, Waterborne Environmental Inc., USA

16:00 **Precision agriculture for arable farming**
Jim Wilson, Soil Essentials, UK

16:30 **The retail perspective: the value of creating sustainable supply chains**
TBC

17:00 Discussion

17:15 Poster awards and close

2012 is the United Nations' Year of Sustainable Energy for Everyone. At a time when the world's population continues to grow and more people leave the countryside for cities, it becomes increasingly important that we produce significantly more food.

This increased food production must be associated with improved sustainability. However, new land for agriculture is in short supply and productivity gains in recent years have been diminishing. The challenges are such that we shall need to use all the effective methodology at our disposal and this will need to be driven forward by advances in many areas of agricultural research and by the widespread implementation of new technology. The speakers at this meeting will identify the major problem areas associated with improved crop productivity and indicate where new discoveries will ensure the prospect of a well fed world that must include the less developed countries.

Attendees

Those who should attend this conference are all those from the crop protection and crop production industries who are involved in sustainable agriculture be that discovery, research, development, management or marketing. Agricultural consultants will benefit from the high quality presentations as will academics working in crop production and market research. Scientists in publicly funded aspects of sustainable agriculture will also benefit from this conference.

Organisers

David Evans
Len Copping

Call for posters

Please submit an A4 abstract of your poster presentation to - conferences@soci.org
Deadline for submissions: 19 October 2012

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Sustainable Intensification: Growth from research and technology

30 October 2012 @ Syngenta, Jealott's Hill International Research Centre, UK

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