

INSTITUTION OF AGRICULTURAL ENGINEERS ANNUAL CONFERENCE

Wednesday 20th May 2015,
Newcastle University

Too much or too little water?

Engineering innovation for agricultural water
management in a changing climate

“ There is an urgent need for innovation in agricultural water management to cope better with more intense winter rainfall and frequent summer droughts ”

Convenor, Mark Kibblewhite

Good water management is essential for high agricultural yields and farm environmental performance. Adaptation to more extreme weather requires renewed attention to irrigation, drainage and the management of surface water. Anticipated shortages of water for irrigation will increase demand for more precise water use. Many field drains are at the end of their useful life and there has been little innovation in drain design and control. There is justified concern about soil compaction increasing surface water run-off that can flood agricultural and urban land.

In May 2015, the Institution of Agricultural Engineers annual conference will report on new tools for water management and how engineering can develop these and support their adoption.

The conference will report and discuss . . .

- The latest information on the implications of climate change for UK agriculture
- The current state of on-farm water management, highlighting where investment is needed.
- Novel systems for water management
- Actions required for effective development and deployment of new tools

Landwards²⁰¹⁵

FOR FURTHER DETAILS:

IAgrE Secretariat: 01234 750876
conferences@iagre.org

ONLINE BOOKING:

www.iagre.org

TOO MUCH OR TOO LITTLE WATER? Engineering innovation for agricultural water management in a changing climate.

Date: Wednesday 20 May 2015

Venue: Great North Museum, Newcastle NE2 4PT

Water management is key to achieving higher yields and environmental performance. The 2015 conference will focus on the role of engineering in agricultural water management.

Climate change means both summer droughts and higher winter rainfall are more likely. Adaptation requires irrigation, drainage and soil management to control surface water run-off. We will explore the 'state of water on the farm', where new investment is needed in water management and how innovative engineering can secure optimal farm performance.

Programme of Events

1000	Welcome	Professor Mark Kibblewhite <i>IAgrE President</i>
1010	The Engineering Challenge	Professor Dick Godwin FEng, HonFIAgrE <i>Harper Adams University</i>
1050	Integrating water and production	Caroline Drummond MBE, <i>Chief Executive, LEAF</i>
1130	Break – Networking Opportunity	
1145	Soil management technology to control run-off	Dr Rob Simmons, <i>Cranfield University</i>
1215	Water use efficiency for crop production	Dr Mark Else, <i>East Malling Research</i>
1245	Lunch – Networking Opportunity	
1330	Advances in sub-surface drainage technology	Fred Clarke, Technical Sales Director at <i>Mastenbroek</i>
1400	Land use and hydrology in semi-arid environments	Dr John Gowing, <i>Newcastle University</i>
1430	Sensors and information for water management (title tbc)	Dr John Newstead, Technical Sales Engineer at <i>Delta-T Devices Ltd</i>
1500	Discussion and wrap-up	Led by Prof Jane Rickson, MIAgrE, <i>Cranfield University</i>
1530	Tea – Networking Opportunity	
1600	Finish	



in association with



With sponsorship from



Conference 2015



TOO MUCH OR TOO LITTLE WATER? Engineering innovation for agricultural water management in a changing climate.

Date: Wednesday 20 May 2015

Venue: Great North Museum, Newcastle

There is an urgent need for innovation in agricultural water management to cope better with more intense winter rainfall and frequent summer droughts.

This conference will report on new tools for water management and how engineering can develop these and support their adoption.

Booking Form

Please use this booking form or visit the IAgRE website www.iagre.org for on-line booking. Register **by 31 March 2015** to take advantage of the **early bird rate**.

Return completed booking form to:
The Conference Secretary,
IAgRE, The Bullock Building,
University Way, Cranfield, Bedford, MK43 0GH
Email: conferences@iagre.org

Delegate's name and title*:	
Address:	
.....	
.....	
Telephone No:	Email:
*If booking for more than one delegate, please provide other delegate's details on the reverse of this form.	
EARLY BIRD RATES for bookings received on or before 31 March 2015: Delegate rate: £110.00 (£91.67 + £18.33 VAT) Retired rate: £75.00 (£62.50 + £12.50 VAT)	
Rates: Delegate rate: £120.00 (£100.00 + £20.00 VAT) Retired rate: £85.00 (£70.83 + £14.17 VAT) Student: £24.00 (£20.00 + £4.00 VAT)	TOTAL AMOUNT £
I enclose a cheque for £ made payable to The Institution of Agricultural Engineers	
Please charge my VISA/MASTERCARD (delete as appropriate) £.....	
Card Number:	
Cardholder Name and Registered Address (if different from above)	
.....	
.....	
Expiry Date:	Card Security Code (last three digits above signature)
Signature:.....	