

15.30 **Management of PCN (*Globodera* spp.) populations under Norwegian conditions**
RICARDO HOLGADO (Norwegian Institute for Agricultural & Environmental Research, Dept
of Entomology & Nematology, Hogskoleveien, Norway)

16.00 TEA & CONFERENCE END

POSTERS

Potato Cyst Nematodes Testing Services for the PHSI

PAUL TAYLOR (The Food and Environment Research Agency, Sand Hutton, York, UK)

A new and improved ethoprophos formulation

PAUL GODDARD, EILEEN BARDSLEY *et al.* (Bayer CropScience Ltd, Cambridge, UK)

Outcome of proficiency testing for PCN detection and identification: the results of 7 years of tests

A G ANTHOINE (The National Laboratory for the Protection of Plants (LNPP), ANGERS, Cedex, France)

The mitochondrial genome of Potato cyst nematodes: structure and diversity

VIVIAN BLOK (Plant Pathology Programme, Scottish Crop Research Institute, Dundee, UK)

Management of the Golden nematode *Globodera rostochiensis* in Canada

GUY BELAIR (Horticulture Research and Development Centre, Agriculture and Agri-Food Canada, St. Jean-sur-Richelieu, QC, Canada)

Diagnostics

ALEX REID (Science and Advice for Scottish Agriculture, Edinburgh, UK)

ASSOCIATION OF APPLIED BIOLOGISTS

President: Prof. Michael Jeger, PhD, FIBiol, FIMA, FLS



A 2 day conference

at Harper Adams University College,
Newport, UK

on 14-15 September 2010

**PROGRAMME &
BOOKING FORM**

**3rd Symposium on
Potato Cyst Nematodes**

Association of Applied Biologists
The Warwick Enterprise Park
Wellesbourne, Warwick CV35 9EF, UK
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3rd Symposium on Potato Cyst Nematodes

to be held at Harper Adams University College, Newport, UK

on 14-15 September 2010

BASIS POINTS HAVE BEEN APPLIED FOR PROVISIONAL PROGRAMME

TUESDAY 14 SEPTEMBER

- 09.00 CONFERENCE REGISTRATION & COFFEE
- 10.15 **Introduction**
PAT HAYDOCK (Harper Adams University College, Newport, Shropshire, UK)
- Session I : Diagnostics and Legislation*
- 10.30 **From soil to species: procedure for molecular detection and identification of potato cyst nematodes**
A G ANTHOINE (The National Laboratory for the Protection of Plants (LNPP), Angers, Cedex, France)
- 11.00 **Detection and quantification of the potato cyst nematodes *Globodera rostochiensis* and *G. pallida*, using qPCR with LNA-probes**
LIEVEN WAEYENBERGE (ILVO-Plant-Crop Protection, Section Nematology, Merelbeke, Belgium)
- 11.30 COFFEE
- 12.00 **Eradication of potato cyst nematodes in Western Australia**
SARAH COLLINS (Department of Agriculture and Food, Western Australia, South Perth, Western Australia)
- 12.30 **Implementation of the New PCN Directive**
SUE HOCKLAND (The Food and Environment Research Agency, Sand Hutton, York, UK)
- 13.00 LUNCH & POSTER SESSION
- Session II Biology*
- 14.00 **The genome sequence of *Globodera pallida* and its utilisation for improved control**
CATHERINE LILLEY (University of Leeds, Leeds, UK)
- 14.30 **Competition between *Globodera rostochiensis* and *G. pallida***
VIVIAN BLOK (Plant Pathology Programme, Scottish Crop Research Institute, Dundee, UK)

- 15.00 **Hatching of Potato Cyst Nematode in host root diffusates under different invasion conditions**
ELIZAVETA MATVEEVA (Institute of Biology, Karelian Research Centre RAS, Petrozavodsk, Republic of Karelia, Russia)
- 15.30 **Signalling and behaviour of Potato Cyst Nematode in the rhizosphere of the trap crop, *Solanum sisymbriifolium***
AYANO SASAKI-CRAWLEY (Rothamsted Research, Harpenden, Hertfordshire, UK)
- 16.00 TEA AND END OF SESSION
- EVENING BARBEQUE SUPPER & VIEWING OF DEMONSTRATION PLOTS OF POTATO VARIETIES, TRAP CROPPING AND BIOFUMIGATION.
DEMONSTRATIONS OF EQUIPMENT TO APPLY FUMIGANT AND GRANULAR NEMATOCIDES

WEDNESDAY 15 SEPTEMBER

- Session III Management*
- 10.00 REGISTRATION & COFFEE
- 10.30 *Invited Speaker*
Management of potato cyst nematodes - an agronomist's perspective
ANDREW WADE (AgroVista Ltd, Stapleford, Nottingham, UK)
- 11.00 **Risk assessment of cyst nematode evolution and durability of potato cyst nematode resistance**
ERIC GRENIER (INRA-UMR Bio3P, Domaine de la Motte, F-35653 le Rheu, Cedex, France)
- 11.30 COFFEE
- 12.00 **The use of molecular markers linked to nematode resistance within potato breeding programmes**
FINLAY DALE (Scottish Crop Research Institute, Dundee, UK)
- 12.30 **Management practices of Potato Cyst Nematode in North-West of Russia**
ELIZAVETA MATVEEVA (Institute of Biology, Karelian Research Centre RAS, Petrozavodsk, Republic of Karelia, Russia)
- 13.00 LUNCH & POSTER SESSION
- Session IV Management*
- 14.00 *Invited Speaker*
Management of potato cyst nematodes - a supplier's perspective
DAVID NELSON (Field Director, Branston Ltd, Lincoln, UK)
- 14.30 **Plant extracts for potato cyst nematode management**
WISEBORN DANQUAH (Harper Adams University College, Newport, Shropshire, UK)
- 15.00 **Use of a potato cyst nematode management expert system to educate agronomists and students**
PAT HAYDOCK (Harper Adams University College Newport, Shropshire, UK)

