THE World Mycotoxin Forum®
THE FIFTH CONFERENCE
PROGRAMME AND REGISTRATION
17-18 November 2008

The World Mycotoxin Forum® celebrates its 5th anniversary

THE INTERNATIONAL NETWORKING CONFERENCE
FOR THE FOOD AND FEED INDUSTRY

HOTELS VAN ORANJE NOORDWIJK
THE NETHERLANDS
The main objectives of The World Mycotoxin Forum® are:

- to provide a unique platform for the food and feed industry, regulatory authorities and science
- to exchange information and experiences on the various aspects of mycotoxins
- to review current knowledge related to mycotoxins in food and feed
- to discuss strategies for prevention and control of mycotoxin contamination ensuring the safety of food and feed supply.

The World Mycotoxin Forum® is working towards these main objectives in a series of international networking conferences for the food and feed industry. The fifth conference in Noordwijk, the Netherlands on 17-18 November 2008, is aimed at the latest developments to combat the mycotoxin problem. It will include:

- presentations and discussions in plenary meetings and parallel sessions
- poster sessions
- spotlight presentations covering a range of topics including case studies and industry updates
- a concurrent instrument/manufacturers exhibition providing information on products, equipment and services.

As a comprehensive overview the fifth conference of The World Mycotoxin Forum® offers an excellent way to network and to share ideas, providing a reference source for anyone involved in this field.

High-quality speakers, ample time for discussions, and every opportunity to establish rewarding contacts are conference values The World Mycotoxin Forum® wants to uphold. Join us for the 5th anniversary of The World Mycotoxin Forum® in Noordwijk, the Netherlands. The members of the Forum’s Advisory Committee look forward to meet you again!

Advisory Committee of The World Mycotoxin Forum®

Dr. Daniel Barug
Dr. Deepak Bhatnagar
Gerben Boonzaaijer
Dr. Karl Dawson
Hans P. van Egmond, M.Sc.
Jan Willem van der Kamp, M.Sc.
Dr. David F. Kendra
Dr. Xiumei Liu
Ton van Osenbruggen
Dr. Joseph Shebuski
Dr. Gordon S. Shephard
Prof.dr. Trevor K. Smith

Ranks Meel, the Netherlands
U.S. Department of Agriculture, USA
TNO Quality of Life, the Netherlands
Alltech, USA
National Institute for Public Health and the Environment, the Netherlands
International Association for Cereal Science and Technology (ICC), Austria
U.S. Department of Agriculture, USA
Ministry of Health, China
TNO Quality of Life, the Netherlands
Cargill, USA
Medical Research Council, South Africa
University of Guelph, Canada
08.45  Opening of the fifth conference of The World Mycotoxin Forum®

PLENARY MEETING

MYCOTOXINS—TOUR DU MONDE

What is done regionally to protect the consumers from the harmful effects of mycotoxins?

Chair: Hans P. van Egmond, M.Sc., National Institute for Public Health and the Environment, the Netherlands

09.00  Mycotoxins in European food: a foreign affair?
Jan Baele, M.Sc., European Commission Directorate-General for Health and Consumers, Rapid Alert System for Food and Feed (RASFF), Brussels, Belgium

09.30  Mycotoxins in food and feed: an FDA perspective
Dr. Nega Beru, U.S. Food and Drug Administration, Center for Food Safety and Applied Nutrition, Office of Food Safety, USA

10.00  Mycotoxins: regulatory measures in MERCOSUR, the common market of the Southern Cone
Ligia Lidner Schreiner, Ministry of Health, National Health Surveillance Agency (Anvisa), Brazil

10.30  Networking break & exhibition

11.00  Asian perspective for public health strategies for preventing mycotoxin exposure
Dr. Xiumei Liu, Ministry of Health, Chinese Centre for Disease Control and Prevention, China (to be confirmed)

11.30  Fungal downunder: mycotoxin risk management in New Zealand and Australia
Peter Cressey, Institute of Environmental Science & Research, Christchurch Science Centre, New Zealand

12.00  Africa: a world of myco-contradictions
Dr. Maryke E. Herbst, Department of Health, Directorate Food Control, South Africa

12.30  Lunch break
PARALLEL SESSION 1

MYCOTOXINS IN THE FOOD CHAIN
EMERGING PROBLEMS AND SOLUTIONS

Chairs: Jan Willem van der Kamp, M.Sc., International Association for Cereal Science and Technology (ICC), Austria
Dr. Deepak Bhatnagar, U.S. Department of Agriculture, Agricultural Research Service, Food and Feed Safety Research Unit, USA

14.00 Model for identification of emerging mycotoxin risks
Dr. Ine van der Fels-Klerx, RIKILT-Institute of Food Safety, the Netherlands

14.30 Alternaria toxins: an overview of origin, occurrence and risks
Dr. Antonio Logrieco, Institute of Sciences of Food Production (ISPA-CNR), Italy

15.00 Ergot alkaloids: extent of the problem
Dr. Peter M. Scott, Health Canada, Health Products and Food Branch, Food Research Division, Canada

15.30 Networking break & exhibition

16.00 Mycotoxins in fruits and vegetables
Prof.dr. Rivka Barkai-Golan, Agricultural Research Organization, The Volcani Center, Department of Postharvest Science of Fresh Produce, Israel

16.30 Management options, technologies and strategies for minimized mycotoxin contamination in rice
Dr. Martin Gummert, International Rice Research Institute (IRRI), Philippines

17.00 Spotlight presentations theatre 1
A special oral presentation facility for sponsors and exhibitors to promote their products in more detail. For the latest details, see www.bastiaanse-communication.com

18.00 Poster presentations at the Scientific Café
PARALLEL SESSION 2

MYCOTOXINS IN THE FEED CHAIN
EMERGING PROBLEMS AND SOLUTIONS

Chair: Prof. dr. Johanna Fink-Gremmels, Utrecht University, Division Veterinary Pharmaceuticals, Pharmacology and Toxicology, the Netherlands
Dr. Gerardo Morantes, Cargill, Inc., USA

14.00 The unpredictable: co-exposure to mycotoxins and undesirable substances in animal feeds
Prof. dr. Johanna Fink-Gremmels, Utrecht University, Division Veterinary Pharmaceuticals, Pharmacology and Toxicology, the Netherlands

14.30 The less understood: mycotoxins and fungi in forages and silages
Dr. Gretchen A. Kuldau, The Pennsylvania State University, Department of Plant Pathology, USA

15.00 Mycotoxins and vaccinal response: effects and solutions
Dr. Guylaine M. Meissonnier, French National Institute for Agricultural Research (INRA), Laboratory of Radiobiology and Genome Studies, France

15.30 Networking break & exhibition

16.00 Mycotoxins in ethanol co-products: economic impact and management strategies
Dr. Gary Munkvold, Iowa State University, Department of Plant Pathology, USA

16.30 Evaluation aspects and regulatory approval of mycotoxin binders/inactivators: a look into the future
Dr. Didier Jans, FEFANA (EU Feed Additives and Premixtures Association), Belgium

17.00 Spotlight presentations theatre 1
A special oral presentation facility for sponsors and exhibitors to promote their products in more detail. For the latest details, see www.bastiaanse-communication.com

18.00 Poster presentations at the Scientific Café
PARALLEL SESSION 3
MYCOTOXINS IN THE FOOD CHAIN
EMERGING PROBLEMS AND SOLUTIONS

Chair: Dr. Antonio Logrieco, Institute of Sciences of Food Production (ISPA-CNR), Italy

08.45 Emerging issues of HT-2 and T-2 toxins in European cereal production
Dr. Simon G. Edwards, Harper Adams University College, Molecular Diagnostics Laboratory, UK

09.15 Fate of Fusarium mycotoxins from raw cereal to the finished consumer products
Keith Scudamore, KAS Mycotoxins, UK

09.45 What about the 'other' Fusarium mycotoxins?
Dr. Marika Jestoi, Finnish Food Safety Authority (Evira), Chemistry and Toxicology Research Unit, Finland

10.15 Networking break & exhibition

SUBSESSION
MULTIFACETED APPROACH TO PREVENT
MYCOTOXIN CONTAMINATION IN THE FIELD

Chair: Dr. David Kendra, U.S. Department of Agriculture, Agricultural Research Service, Mycotoxin Research Unit, USA

10.45 Chemical control of mycotoxin producing Fusarium species in cereals
Dr. Anne Suty-Heinze, Bayer CropScience Aktiengesellschaft, Germany

11.15 Biological management of mycotoxin contamination in wheat
Dr. Allen Xue, Agriculture and Agri-Food Canada, Eastern Cereal and Oilseed Research Centre, Canada

11.45 Breeding for resistance in naturally occurring plant genes
Dr. Scott A. Heuchelin, Pioneer Hi-Bred International, Inc., USA

12.15 The search for plant resistance to fungal infection and mycotoxin-production: silver bullet or resistance by committee
Dr. Jeffrey W. Cary, U.S. Department of Agriculture, Agricultural Research Service, Food and Feed Safety Research Unit, USA

12.45 Lunch break
PARALLEL SESSION 4

MYCOTOXIN ANALYSIS

Chair: Ton van Osenbruggen, TNO Quality of Life, the Netherlands

08.45 The role and task of the Network of Reference Laboratories for Mycotoxins in the EU
Dr. Joerg Stroka, European Commission Joint Research Centre, Institute for Reference Materials and Measurements (IRMM), Belgium

09.15 The need for harmonisation of reliable and validated rapid methods for mycotoxin analysis
Dr. Anton J. Alldrick, Campden & Chorleywood Food Research Association (CCFRA), Division Cereals and Cereal Processing, UK

09.45 Introduction to emerging technologies for mycotoxin detection
Dr. Chris Maragos, U.S. Department of Agriculture, Agricultural Research Service, Mycotoxin Research Unit, USA

10.15 Networking break & exhibition

SUBSESSION

MYCOTOXIN ANALYSIS TOOLS OF TOMORROW

Chair: Dr. Chris Maragos, U.S. Department of Agriculture, Agricultural Research Service, Mycotoxin Research Unit, USA

10.45 Antibody alternatives: the story of molecularly imprinted polymers (MIPs)
Prof.dr. Sarah De Saeger, Ghent University, Department of Bio-analysis, Belgium

11.15 Electrochemical immunosensors: a promising alternative for mycotoxins analysis in food
Dr. Francesco Ricci, University of Rome ‘Tor Vergata’, Department of Science and Chemical Technologies, Italy

11.45 Transcriptomics as a tool for the determination of trichothecenes
Prof.dr. Hanspeter Nägeli, University of Zurich, Institute of Pharmacology and Toxicology, Switzerland

12.15 Fluorescence polarization immunoassays for multi-mycotoxins quantitative detection
Prof.dr. Sergei Eremin, Lomonosov Moscow State University, Department of Chemistry, Russia

12.45 Lunch break
FINAL PLENARY MEETING

WHAT'S NEXT?

Chairs: Dr. Gordon S. Shephard, Medical Research Council, PROMEC Unit, South Africa
       Hans P. van Egmond, M.Sc., National Institute for Public Health and the Environment, the Netherlands

14.00  Masked mycotoxins: not apparently there, but still an emerging threat?
       Prof. dr. Jana Hajšlová, Institute of Chemical Technology, Department of Food Chemistry and Analysis, Czech Republic

14.30  The ongoing debate on aflatoxins levels: risk assessment, management and communication

Presentations and panel discussion:

Global health and economic impacts of harmonized aflatoxin standards: modelling cost-effectiveness of risk management strategies
Dr. Felicia Wu, University of Pittsburgh, Graduate School of Public Health, USA

The EFSA assessment on the potential increase of consumer health risk by a possible increase of the existing maximum levels for aflatoxins in food
Dr. Peter Fürst, Chemisches Landes- und Staatliches Veterinäruntersuchungsamt, Germany

Recent and future possible changes to EU aflatoxin regulations following recent EFSA and JECFA assessments and decisions at the Codex Alimentarius Commission – a stepwise approach from negotiations in the frame of CODEX to change into EU legislation
Frans Verstraete, European Commission Directorate-General for Health and Consumers, Brussels, Belgium

16.00  The challenges of change
       Closing lecture by David Byrne, Special Envoy for the World Health Organization (WHO), and former European Commissioner for Health and Consumer Protection

16.30  Closing of the fifth conference of The World Mycotoxin Forum®
       Jan Willem van der Kamp, M.Sc., International Association for Cereal Science and Technology (ICC), Austria
Workshop ‘Sampling and import control’ (optional)

A half-day excursion to the Port of Rotterdam will be organised for a practical workshop on sampling and import control. Important note: The number of participants for the workshop will be limited to 20 on a first-come, first-served basis.

Commission Regulation (EC) No. 401/2006, laying down the methods of sampling and analysis for the official control of the levels of mycotoxins in foodstuffs, describes precisely for a lot of different foodstuffs how sampling has to be carried out.

Regulation (EC) No. 882/2004 of the European Parliament and of the Council, describes how official controls have to be performed, especially import control, to ensure the verification of compliance with feed and food law, animal health and animal welfare rules.

In this workshop will be shown how the Food and Consumer Product Safety Authority of the Netherlands has implemented these items in practice. The risk-based set-up of the sampling plan, the cooperation with customs, the sampling procedure in practice in a warehouse and the measures taken after violation of the regulations.

The schedule for this workshop is:

- Travel to a sampling site, i.e., a warehouse, in the Port of Rotterdam
- Sampling of a consignment of nuts
- Travel to the regional office of the Food and Consumer Product Safety Authority
- Presentation of the working-method of the import control team
- Lunch

The registration fee for the workshop is EUR 75.- (19% VAT exclusive). Registrations can be made on the Conference Registration Form.
Participants and purpose
The purpose of The World Mycotoxin Forum® is to create a meeting and networking point for businesses and food/feed professionals in all stages of the agrifood chain, regulatory authorities and inspectors, consulting agencies and advisors, and science from all over the world.

Registration fee and discounts
The registration fees for the fifth conference of The World Mycotoxin Forum® include lunch and coffee/tea as announced in the timetable, and the book of abstracts. The registration fees do not include hotel accommodation. On Monday evening 17 November 2008 a conference dinner will be organised. Reservations can be made on the Conference Registration Form. Please note: dinner tickets cannot be bought on site.

Full registration fee:
EUR 925.- (19% VAT exclusive)

Discounted registration fee:
EUR 825.- (19% VAT exclusive) for participants from universities

Special registration fee:
Every paying participant may be accompanied by one participant for a special registration fee of EUR 450.- (19% VAT exclusive) provided that the following conditions are met:
• the paying participant and the accompanying participant are employed with the same company/organisation at the same location; and
• the paying participant and the accompanying participant register and pay at the same time.

Registration
To register for the fifth conference of The World Mycotoxin Forum® please fax or send the enclosed Conference Registration Form to the Forum Secretariat. Online-registration is also possible (www.bastiaanse-communication.com).

The registration desk at the conference venue will open on Sunday 16 November 2008 at 4.00 p.m.

Conference venue and hotel accommodation
The fifth conference of The World Mycotoxin Forum® will take place at the ‘Hotels van Oranje’ in Noordwijk, the Netherlands. Situated on the Koningin Wilhelmina Boulevard in Noordwijk, and at the cleanest and widest beach along the Dutch coast, the ‘Hotels van Oranje’ have a unique and beautiful location. Noordwijk is a coastal resort with the grandeur and style of international coastal resorts, and is surrounded by beautiful nature and located very centrally at less than half an hour’s distance from Amsterdam Airport Schiphol, Amsterdam and The Hague.

The ‘Hotels van Oranje’ offers two hotel brands under one roof:
Hotel van Oranje. The five star hotel rooms are luxuriously and stylishly furnished and provided with air-conditioning, wireless internet, a stylish bathroom and all modern comforts.

Beach Hotel. The Beach Hotel is a contemporary four star hotel full of atmosphere with spacious and beautifully furnished rooms provided with all modern comforts. You can walk from the Beach Hotel to Hotel Oranje through the passage and passerel within one minute. The ‘Hotels van Oranje’ has a block of rooms on hold with both hotels at a reduced rate for participants.

Participants are responsible for making their own room reservations by using the enclosed Hotel Accommodation Form, which should be faxed to the ‘Hotels van Oranje’ directly. Important note: Due to other conferences in the same period the hotels in Noordwijk might be quite full. The World Mycotoxin Forum® suggest that participants register timely to make optimal use of the reserved hotel rooms at discount rate.

Depending on the attendance participants might be accommodated in other hotels than the ‘Hotels van Oranje’.
**Marketing opportunities**

The following marketing opportunities exist at the fifth conference of *The World Mycotoxin Forum®*:

**Sponsoring:** Benefit from excellent name recognition! Sponsoring opportunities may cover lunch, evening functions, conference programme material, etc.

**Exhibiting:** Gain valuable direct exposure! Parallel to the conference a commercial exhibition will be organised in which presentations of equipment, products and services related to mycotoxins are given. Participants of the conference have ample opportunity to visit the exhibition during the various breaks.

**Spotlight presentation:** Introduce your company to an entire audience of prospective customers and gain instant feedback! Companies sponsoring the conference or having an exhibition stand are given the opportunity for an oral presentation in a special ‘spotlight presentations’ session on Monday 17 November 2008.

Companies and organisations interested in these marketing opportunities are invited to contact the Forum Secretariat.

**Call for posters**

The *World Mycotoxin Forum®* issues a call for abstracts, inviting the submission of abstracts for posters. Interested participants are invited to submit one-page abstracts for posters by no later than 24 October 2008. The members of the Advisory Committee will evaluate the abstracts and inform the participants of the acceptance. Poster size: A0 portrait (841 mm x 1189 mm). Poster boards of this size will be present during the whole conference. Selected poster authors will be invited to submit a manuscript for the special conference issue of *World Mycotoxin Journal*.

**World Mycotoxin Journal**

‘World Mycotoxin Journal’ is a peer-reviewed scientific journal with only one specific area of focus: the promotion of the science of mycotoxins. The journal contains original research papers and critical reviews in all areas dealing with mycotoxins, together with opinions, a calendar of forthcoming mycotoxin-related events and book reviews. The journal takes a multidisciplinary approach, and it focuses on a broad spectrum of issues, including toxicology, risk assessment, occurrence, modelling and prediction of toxin formation, genomics, molecular biology for control of mycotoxigenic fungi, pre-and post-harvest prevention and control, sampling, analytical methodology and quality assurance, food technology, economics and regulatory issues. ‘World Mycotoxin Journal’ is intended to serve the needs of researchers and professionals from the scientific community and industry, as well as of policy makers and regulators.

Presentations at the fifth conference of *The World Mycotoxin Forum®* will be published in a special 2009 issue of ‘World Mycotoxin Journal’. Individual participants of the fifth conference are eligible for a personal print subscription (year 2009) to ‘World Mycotoxin Journal’ at a reduced rate (>20% percent off!). Subscribe to get ‘World Mycotoxin Journal’ at this special reduced rate by faxing the Order Form (= the back side of the Conference Registration Form) to the Forum Secretariat.

Online-registration is also possible: www.bastiaanse-communication.com.

**Internet**

The latest programme details of the fifth conference of *The World Mycotoxin Forum®* can be found at: www.bastiaanse-communication.com

**Language**

English will be the official conference language.

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*It may be necessary for reasons beyond the control of the organisers to alter the content and timing of the programme or the identity of the speakers.*