



18th International Fresenius AGRO Conference

Behaviour of Pesticides in Air, Soil and Water

20 and 21 June 2016
in Mainz/Germany

Highlights

Regulatory issues

- Regulation (EC) No 1107/2009 update
- EFSA update on developments in EU guidance
- Update on aged sorption
- Update from the Northern, Central and Southern zones
- Sustainable Use Directive 2009/128/EG and the Dutch policy

Environmental fate

- Meta-analysis of pesticide sorption in subsoils
- New laboratory study on soil column leaching in Canada
- The new OECD Guidance Document for Terrestrial Field Dissipation Studies
- Screening of French groundwater for regulated and emerging contaminants
- Plant uptake in regulatory environmental fate modelling

Exposure, risk assessment and mitigation

- Non-relevant metabolites in drinking water in Germany
- Pesticide exposure for aquatic risk assessment in Brazil
- Outcome from the SETAC Pellston workshop "Simplifying environmental mixtures"
- Greenhouse Emission Model, Dutch scenarios and EU Guidance Document on covered crops
- Update on spray drift

Updated
Programme


The Experts

Nicole Baran French Geological Survey (BRGM) | **Jos Boesten** Alterra/Wageningen University | **Arnaud Boivin** French Agency for Food, Environmental and Occupational Health and Safety (ANSES) | **Colin Brown** University of York | **Andrew Chapple** Bayer CropScience | **Joachim Dayteg** Austrian Agency for Health and Food Safety (AGES) | **Mark Egsmose** European Food Safety Authority (EFSA) | **Lai Gui** Health Canada | **Nick Jarvis** SLU Swedish University of Agricultural Sciences | **Bernhard Jene** BASF | **Dennis Kalf** Dutch Ministry for Infrastructure and the Environment | **Christopher Leake** Bayer CropScience | **Paulien Mulder** Norwegian Food Safety Authority (Mattilsynet) | **Wolfgang Reinert** European Commission | **Dieter Schäfer** Bayer CropScience | **Andrea Schnepf** Forschungszentrum Jülich | **Carola Schriever** BASF | **Rômulo Penna Scorza Júnior** Embrapa (Brazilian Agricultural Research Corporation) | **Michael Stemmer** AGES and EFSA PPR Panel | **Wiebke Tüting** Federal Office of Consumer Protection and Food Safety (BVL) | **Harry Vereecken** Forschungszentrum Jülich | **Louise Wipfler** Alterra/Wageningen University

The Programme

Get-Together on Sunday, 19 June 2016

Will you arrive on Sunday? Come to the hotel bar at 8 p.m. and meet other participants and speakers in a relaxed atmosphere.

 Monday, 20 June 2016

9.00 Registration and coffee

9.30 **Welcome address by the organisers and the Chair**

Christopher Leake, Bayer CropScience, Germany

Regulatory issues

9.40 **Update on the developments on EFSA guidance in the fate and ecotox area**

Mark Egsmose, European Food Safety Authority (EFSA), Italy

10.00 **Update from the EFSA working group "PEC in soil"**

Michael Stemmer, Agency for Health and Food Safety (AGES), Austria, on behalf of EFSA

10.20 Panel discussion

10.50 Coffee break

11.20 **Update of the Northern zone Guidance Document**

Paulien Mulder, Norwegian Food Safety Authority (Mattilsynet), Norway

11.40 **Guidance Document on harmonisation in the fate section in the Central zone**

- Harmonisation efforts in the Central zone in fate and behaviour
- Content of the Guidance Document
- Further topics of harmonisation

Joachim Dayteg, Agency for Health and Food Safety (AGES), Austria

12.00 **Implementation of Guidance Documents and harmonisation – an update with view from the Southern zone**

Arnaud Boivin, Agency for Food, Environmental and Occupational Health and Safety (ANSES), France

12.20 **Directive (2009/128/EG) on sustainable use of pesticides: Dutch policy using surface water monitoring data to reach the Water Framework Directive targets for pesticides**

Dennis Kalf, Ministry for Infrastructure and the Environment, The Netherlands

12.40 Panel discussion

13.20 Lunch

Environmental fate

Chair:

Harry Vereecken, Forschungszentrum Jülich, Germany

14.50 **Meta-analysis of pesticide sorption in subsoils**

Nick Jarvis, SLU Swedish University of Agricultural Sciences, Sweden

15.10 **A new design of an unsaturated soil column for determining pesticide leaching and degradation**

- Description of new features and simplifications of an unsaturated soil column
- Results of initial tests
- Advantages and potential uses

Lai Gui, Health Canada, Canada

15.30 **The new OECD Guidance Document for Terrestrial Field Dissipation (TFD) Studies**

- Development of the OECD TFD guidance
- New key aspects of the guidance
- Technical and regulatory guidance

Dieter Schäfer, Bayer CropScience, Germany

15.50 Panel discussion

16.20 Coffee break

16.50 **Screening of French groundwater for pesticides: current status**

- Nation-wide screening
- Compilation of national data: identification of trends

Nicole Baran, French Geological Survey (BRGM), France

17.10 **Assessment of aged sorption parameters and their effect on leaching to groundwater**

Jos Boesten, Alterra/Wageningen University, The Netherlands

17.30 Panel discussion

18.00 End of the first conference day

18.50 Departure time for the evening event



After the first conference day Akademie Fresenius would like to invite you to a leisurely evening at the wine estate & monastery "Wasems Kloster Engelthal" in the Rheinhessen region. You have the opportunity of better getting to know other participants you met during the day over a relaxed wine tasting and meal.

 Tuesday, 21 June 2016

8.30 Mechanistic modelling of pesticide uptake by plant roots

- Three-dimensional mechanistic model
- Model scenarios for different substances

Andrea Schnepf, Forschungszentrum Jülich, Germany

8.50 Plant uptake in regulatory environmental fate modelling: towards appropriate experimental data for model parameterisation

- Development of test protocol
- Interlaboratory test: results and implications

Carola Schriever, BASF, Germany

Exposure, risk assessment and risk mitigation

9.10 Risk mitigation measures for non-relevant metabolites in drinking water abstraction areas in Germany

- Why some German drinking water suppliers have a problem with non-relevant PPP metabolites
- What BVL decided to do in order to be part of the solution
- How the new measures to protect the groundwater in specific drinking water abstraction areas have been implemented

Wiebke Tüting, Federal Office of Consumer Protection and Food Safety (BVL), Germany

9.30 Panel discussion

10.00 Coffee break

Chair:

Colin Brown, University of York, UK

10.30 Regulation (EC) No 1107/2009 update

Wolfgang Reinert, European Commission, Belgium

10.50 Questions and answers

11.00 Pesticide exposure for aquatic risk assessment in Brazil

- Overview of Brazilian risk assessment of pesticides
- Developing a guidance on risk assessment of pesticides for aquatic organisms in Brazil
- Vulnerability maps and definition of exposure scenarios

Rômulo Penna Scorza Júnior, Embrapa (Brazilian Agricultural Research Corporation), Brazil

11.20 Environmental exposure assessment in Brazil – an industry view

- Conceptual considerations
- Tiered approach
- Scenarios and models

Bernhard Jene, BASF, Germany

11.40 Panel discussion

12.10 Lunch

13.10 Spray drift: improving representation and management within environmental risk assessment - update on SETAC DRAW

- Spray drift – background and influences
- Regulatory status quo in Europe and implications for risk assessments
- Mitigation and management strategies
- Future directions; SETAC DRAW

Andrew Chapple, Bayer CropScience, Germany

13.30 The Greenhouse Emission Model, Dutch scenarios and EU Guidance document on covered crops

- The Greenhouse Emission Model
- Background of the Dutch greenhouse scenarios
- Relation to EU guidance on covered crops and recent developments

Louise Wipfler, Alterra/Wageningen University, The Netherlands

14.10 Panel discussion

14.40 End of the conference



Information available online at:
www.akademie-fresenius.com/2310

The Experts

Nicole Baran is a Hydrogeologist and Research Scientist and Project Manager at the French Geological Survey in Orléans since 1999. She is an expert in groundwater contamination and also acts as expert for the French Ministry and ANSES.



Jos Boesten is Senior Researcher at Alterra/Wageningen University. He has been involved in research on pesticide fate in the environment since 1980. He works currently on exposure assessment of soil organisms, aquatic organisms, bees and groundwater.



Arnaud Boivin is the Deputy Head of the Ecotoxicology and E-Fate Unit at the Regulated Products Directorate of ANSES. He joined ANSES in 2007 and he also used to work for INRA and USDA/ARS.



Colin Brown is Professor in Environmental Science at the University of York. He has more than 20 years of experience of research into the fate and effects of organic contaminants in the environment.



Andrew Chapple is working in the Crop Science Division in the area of exposure modelling at Bayer CropScience in Monheim, Germany.



Joachim Dayteg joined the Institute for Plant Protection Products of AGES in Austria in 2008 as Environmental Fate and Behaviour Risk Assessor. He is initiator of the harmonisation efforts in fate and behaviour in the Central zone.



Lai Gui is Environmental Scientist and currently a Co-Lead of the E-Fate Tech Team at Health Canada's Pest Management Regulatory Agency in Ottawa.



Mark Egsmose is a Senior Scientific Officer in EFSA's Pesticide Unit. He is actively involved in the revision of existing and development of new EU Guidance for Plant Protection Products.



Nick Jarvis is Professor at the Swedish University of Agricultural Sciences and has more than 20 years research experience on pesticide fate and behaviour in soil.



Bernhard Jene is Environmental Scientist at BASF in Limburgerhof with more than 20 years of experience in the area of environmental fate and exposure modelling of pesticides (17 years in industry).



Dennis Kalf is Senior Advisor Specialist Water Quality and Pesticides at the Ministry for Infrastructure and the Environment in The Hague. He works with the government for 24 years and has 14 years of experience in the field of monitoring and water quality with the focus on pesticides.

Christopher Leake is an Environmental Safety Manager at Bayer CropScience responsible for the areas of environmental fate, ecotoxicology and risk assessment.



He has over 30 years of experience in this area.

Paulien Mulder is Scientific Officer at the Norwegian Food Safety Authority working with risk assessment of plant protection products in the environment with main focus on their fate and behaviour.



Wolfgang Reinert is working for the European Commission in the Directorate Health and Food Safety in Brussels. Within the unit on Pesticides and Biocides he is heading the sector "pesticides - placing on the market".

Dieter Schäfer is Head of the E-fate Expert Group at Bayer CropScience and currently leads the Environmental Modelling Team. He has 20 years of experience in the environmental fate exposure assessment of pesticides.



Andrea Schnepf is Professor at the Institute of Crop Science and Resource Conservation (INRES) of the University of Bonn and Research Group Leader at the Agrosphere Institute at Forschungszentrum Jülich, Germany.



Carola Schriever is a Geoecologist working as Environmental Fate Modeler at BASF since 2007. She has more than 10 years of expertise in the area of environmental exposure and risk assessment of pesticides.

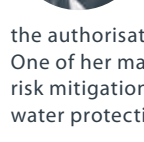


Rômulo Penna Scorza Júnior has been a Researcher at Embrapa for 14 years. His emphasis is on pesticide fate and exposure modelling in Brazilian agricultural scenarios. He is member of the working group for pesticide risk assessment in Brazil.

Michael Stemmer started to work at the Austrian AGES in 2005 as an Environmental Risk Evaluator for the use of pesticides. He is member of the EFSA PPR Panel.



Wiebke Tüting is a Scientist in the Department of PPP at BVL since 2007. She is responsible for post-registration monitoring and risk management issues in the authorisation procedure of PPP. One of her main tasks is to develop risk mitigation measures for groundwater protection.



Harry Vereecken is Professor and Director of the Institute Agrosphere within the Department of Biogeosciences at the Forschungszentrum Jülich, Germany.



Louise Wipfler is Researcher Environmental Fate at Alterra/Wageningen University, The Netherlands. Currently she chairs a working group on the validation of the Greenhouse Emission Model.



About

Who do you meet?

Groups that should take part:

Managing directors, boards of directors, members of supervisory boards, managers and scientists in the fields of:

- Environmental behaviour
- Field inspection
- Research & development
- Legal & regulatory affairs
- Registration
- Ecotoxicology
- Exposure & risk assessment
- Monitoring & computer modelling

Sectors that should take part:

- Agrochemical industry
- Research institutes from the area of agriculture, soil, hydrology and air
- Authorities (agricultural inspection offices, registration and control authorities)
- Water supply enterprises
- Professional associations

Trade Exhibition

Our conference provides you with the opportunity of presenting your company in a trade display. Present your products and services and reach out to your specific target groups. We would be happy to provide you with information on all the various options available – from displaying product information to an exhibition stand – with no further obligation on your part.

Use the attached fax reply sheet to request our information material. Or simply call us. We would be more than pleased to assist you personally.

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The Organiser

For over 20 years, Akademie Fresenius has been your partner for practice-orientated training on all the latest topics surrounding the safety and quality of food, consumer goods and chemical products along the whole production chain. Our portfolio not only includes international conferences but also offers national trade meetings, intensive practical seminars and training in small work groups.

Our events are designed to promote an active exchange amongst our participants and offer the perfect platform for bringing the industry, the scientific sector, the authorities and the consulting field together. Excellent service, all-inclusive. Our wide-ranging advanced training opportunities contribute to giving our customers the competitive edge in all quality assurance, risk assessment, legal, production and technical questions.

Akademie Fresenius is a joint venture between Cognos, one of the largest private and independent education groups in Germany, and SGS Institut Fresenius, one of the leading German providers of chemical laboratory analysis.

You can find details on upcoming and new events at

www.akademie-fresenius.com

Do you have any questions?



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Registration

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DIE AKADEMIE
FRESENIUS

Participation

- ☐ Yes! I would like to take part in the 18th International Fresenius AGRO Conference „Behaviour of Pesticides in Air, Soil and Water“, 20 to 21 June 2016 in Mainz/Germany.
Fee: € 1,895.00 plus VAT per person.
- ☐ I am a representative of an authority or a public university and therefore eligible for a reduced fee of € 795.00 plus VAT per person (please provide evidence).
The reduced fee cannot be combined with other rebates.
- ☐ I would like to take part in the evening event on 20 June 2016 (included in the above price).

Event Documentation

- ☐ Unfortunately, I am unable to attend. Please send me the complete documentation for € 295.00 plus VAT (hard copy and electronic version).

Trade Exhibition

- ☐ Please send me information on exhibition possibilities during the event.

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WEB

Terms of Participation and Purchase

The registration fee includes the event participation, event documentation, lunch, coffee breaks, beverages as well as the evening event on 20 June 2016. You will receive written confirmation of your registration. Upon receiving our invoice, please transfer the amount due without further deductions before the event begins. The price of the event documentation includes a hard copy of the documentation as well as an access code to the secure Akademie Fresenius download area where you can download the complete documentation, including any subsequent updates, in electronic form – subject to the approval of the respective speakers. Both the documents and the secure access code will be dispatched around two weeks after the event and as soon as advance payment has been received.

Group Reductions

For joint bookings received from one company we grant a 15 % discount from the third participant onwards.

Terms of Cancellation

Written cancellations or transfers will be accepted free of charge up to four weeks prior to the start of the event. After this date and up to a week prior to the start of the event we will reimburse 50 % of the registration fee. We cannot, unfortunately, provide refunds for later cancellations. Please note that you can name a substitute free of charge at any time.

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By registering, you agree to our General Terms and Conditions as well as to our Privacy Policy. You can find our General Terms and Conditions on the internet (www.akademie-fresenius.com/general-terms) or receive them on request.

Personal Data

The Akademie Fresenius will keep your personal data for the purpose of organising this event. We will under no circumstances use your data for commercial trade purposes. In signing this form you consent to our occasionally contacting you by mail, email, fax or phone (please strike through if unwanted) in order to provide you with further information from our company. You can, of course, withdraw your consent whenever you wish. Further information can be found at: www.akademie-fresenius.com/dataprotection.

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Venue/Event Hotel

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We have reserved a limited number of rooms for our participants at reduced rates at the hotel. These rooms can be booked up to four weeks prior to the start of the event. Please book early and directly through the hotel quoting "Fresenius" as reference.