



Feed safety

e-Newsletter



Issue 8 – July 2011

Welcome to the 8th *Feed safety* Newsletter

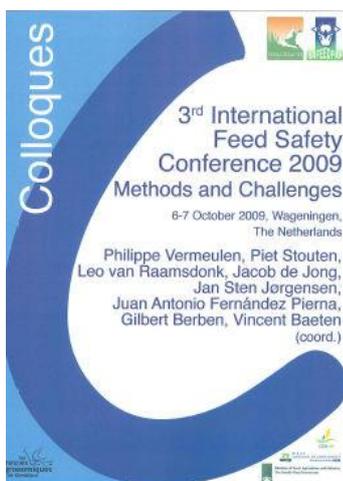
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In the spotlight

Proceedings of the Feed Safety International Conference 2009

March 2011



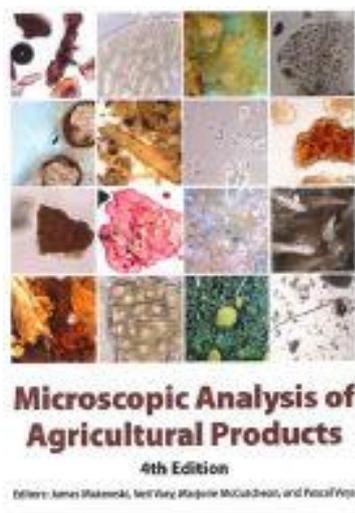
In the framework of the SAFEED-PAP project, [the third international Feed Safety conference](#) has been organised in Wageningen on 6-7 October 2009. This symposium was dedicated to feed safety topics in general with the purpose to give an overview of the latest legislative, scientific achievements and industrial progresses. These proceedings aim to be a reference book reporting the state of a number of key research issues in feed safety topics. It is published on BASE and is now on-line.

[More info](#)

News from other projects

EURL-AP at 102nd AOCS Annual meeting

May 2011



On the 1 to 4 May 2011, the EURL-AP participated to the 102nd AOCS Annual Meeting and Expo in Cincinnati (USA). As invited speaker, Dr Veys presented a lecture entitled “Defining and characterizing limits of detection for qualitative results: a realistic challenge? Study case in feed microscopy for PAPs detection” to the Agricultural Microscopy Division. This AOCS Division groups American and Canadian feed microscopists as well as from other countries.

During this annual meeting, the new edition of the manual “Microscopic Analysis of Agricultural Product”, to which the EURL-AP team collaborated, was promoted by the AOCS. Last but not least, Dr Veys was elected for his contribution in the edition of the manual as Division Vice Chairman for the year 2011-2012. Dr Cruywagen, from Stellenbosch University (South Africa) was elected Division Chairman.

[More info](#)

FIAPP – VICTAM International 2011 event

May 2011



FIAPP - VICTAM International 2011 is the most important event for the feed industry. The exhibition is the only trade show (600 exposants) and series of conferences and seminars organised specifically for producers and suppliers of specialist ingredients and additives for the animal, petfood and aqua feed industries.



The use restrictions of animal proteins in feed led the sector to turn towards other protein sources. In the framework of the scientific conference FIAPP organized in association with the European Feed Technology Center (EUFETEC), several presentations were dedicated to sunflower meal and distiller's dried grains with solubles (DDGS) as alternative protein sources.

Another issue developed in the framework of this event was the concern from feed companies to improve the industrial processes in order to reduce the cross-contaminations and the energetic costs. Jacob de Jong from RIKILT presented on behalf of the NUTRECO Company, the industrial needs for the feed control and on behalf of the partners in the CONffIDENCE project, the first results achieved on rapid methods in development for chemical contaminants in feed.

[More on the presentation...](#)

[More on FIAPP - VICTAM International 2011...](#)

EURL-AP Annual workshop in Vienna

April 2011



The EURL-AP Annual Workshop took place in Vienna (Austria) on the 6 and 7 April 2011. This year the National Reference Laboratory (NRL) network had important discussions on the revision of the official microscopic method. A validation study of a proposed revised method was organized in Autumn 2010. Results from this validation study were presented: improvement of the proficiency was noted thus validating the main modifications. A consensus on a revised protocol was obtained and transmitted on the week after to the DG Sanco. In addition, results of experiments on alternative methods – mainly RT-PCR- were presented too. The outcome of the EUR-AP Interlaboratory Study 2011 was presented. During the workshop a first return on the PCR training session organized by the EURL-AP team revealed to be very positive. Other complementary training will be organized in the next coming month, keeping in mind the strong wish to have as soon as possible an implementation of the PCR methods through the NRL network. On this condition the future revision of the total feed ban could be monitored by the NRLs inside the EU. In this respect the DG Sanco also presented to the NRLs the expectations around the TSE Roadmap II and the conditions prevailing for a species-to-species feed while allowing a safe control on the TSEs. Finally, future perspectives on combinations of methods were presented to the delegations of the Member States. All workshop sessions were animated by a strong scientific mind as well as a truly friendly atmosphere among all participants.

[More info](#)



Launch of the QSAFFE project

April 2011



A €3 million research project to improve the safety of animal feeds and the entire European animal-based food chain, has been launched at Queen's. The global QSAFFE project (Quality and Safety of Feeds and Food for Europe) will deliver better ways to ensure

the quality and safety of animal feeds in Europe. It is led by Queen's Centre for Assured, Safe and Traceable Food (ASSET) and involves 11 partners from six countries: UK (QUB, FERA, THOM), Belgium (CRA-W, EC-JRC-IRMM, PROVIMI), The Netherlands (RIKILT, RIVM), Czech Republic (VSCHT), Germany (BfR) and China (CAU).

[More info](#)



Workshop Feed Quality and Safety: a success

April 2011



The local organizer of the workshop was SERIDA, Villaviciosa Spain with a focus on feed quality and safety and feed supply (WG2 and WG3 from COST Action Feed for Health). The organisers brought together scientists from more than 14 countries. The workshop addressed international challenges and perspectives like: the impact of GMO in animal feed, the use of “new” byproducts in feed, their implication in feed technology, compound feed formulation, traceability, as well as their impact on animal production and health. Feed plant quality control has been also discussed.

2 sections in workshop



The workshop has been organized in two sections and a technical visit to a feed plant. In total 32 contributions were collected and 19 presentations were given. The Scientific Committee invited a number of keynote speakers from science and regulatory authorities and assisted in the selection of long or short scientific presentations from partners in the COST Action Feed for Health and others. Five 30 minutes presentations were given by invited

keynote speakers. The rest of the presentations were mainly given by partners of the COST Action and a few by participants outside the COST Action. In total approx. 55 persons participated at the meeting.

Special emphasis was placed during the workshop on the importance of working accuracy and traceability on feed technology to ensure safety and quality productions (Djuro Vukmirović, Serbia). Sampling errors: problems and opportunities to assess the sampling variance (Tom Fearn, UK) were covered in one of the keynote presentations. The role of milk, meat, seafood and their constituents for an ageing population was presented.

How to screen and analyze feed ingredients along the livestock production chain was another important topic covered by a keynote speaker (Federica Cheli, IT) followed by several contributions on new analytical approaches, including the evolution of NIR technology to produce safe and to ensure quality in the full food chain.

The role of GMO in the feed supply chain, as well as the next frontier of these product and their potential impact on the livestock sector have also addressed by Bart Van Droogenbroeck (Belgium). The importance of safety and quality of new or relatively new ingredients was a key issue in specific sub-session during the workshop. Glycerol (Kjell Holtenius, Sweden), different sources of selenium, oligosaccharides were discussed in both key and short presentation. The presentations were divided over five sessions parallel to the working group activities in the COST Action. The following Working group leaders were chairing the sessions: Dolores Perez Marin, Vincent Baeten. Luciano Pinotti chaired section 5 on new ingredients.

Visit to SOCIEDAD ASTURIANA DE SERVICIOS AGROPECUARIOS, S.L. (A.S.A.)



A further key element in the workshop was the technical visit to the feeding plant included in the business group of CAPSA, which provide to the participants the opportunity for combining research issue and practical situations. This was also evident by the questions addressed during the visit.

[More info](#)

Third Annual meeting of the CONffIDENCE project in Belfast

March 2011



In conjunction with the Food Integrity and Traceability Conference at Queen's University Belfast (21 – 24th of March 2011), the third annual CONffIDENCE meeting was held on 24th and 25th of March 2011.

The Plenary meeting of the CONffIDENCE consortium was held on Thursday 24th of March and was chaired by the Coordinator of the project, Dr. Jacob de Jong. It was attended by 37 researchers from all 16 CONffIDENCE partners. During this meeting the Work package leaders presented the third year activities and achievements in the nine RTD Work packages for organic pollutants, veterinary pharmaceuticals, heavy metals and biotoxins. Following the plenary meeting there was a session about validation of screening methods.

[More info](#)



A two days workshop/scientific forum on Pyrrolizidine Alkaloids

December 2010



DG SANCO and the JRC have held a two days workshop/scientific forum on Pyrrolizidine Alkaloids in Brussels and Geel (BE). The first day was dedicated to give a state of the art overview on the toxicity, occurrence, analytical methods used for determination as well as related research activities in this field to EU Member State delegates as well as scientists from different continents.

The second day focused in a smaller circle only fit-for-purpose analytical methods as monitoring tool and was exclusively attended by scientists of the field. It was agreed to publish a special issue on the topic of Pyrrolizidine alkaloids in a peer-reviewed journal to give access to the discussed issues to a wider audience.

[More info](#)

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Progress in the CEN/TC 327 work



In the sixties and seventies of last century most methods on animal feeding stuffs were made as ISO-standards by ISO/TC 34/SC 10 and were used all over the world and in Europe too. Beside this, many countries used their own methods. The start of EU-legislation on animal feeding stuffs has changed this situation totally. The Council Directive 70/373/EEC of 20 July 1970 was the first big step in legislation within the European Community to develop methods on sampling and analysis for official control. Hereafter many Council Directives followed related to (maximum) levels of

additives, certain products, undesirable substances and products used in animal nutrition. Methods for analysis used in Europe should be in line with the EU-legislation. ISO standards could only be adopted as EN-ISO standards under Vienna Agreement in the case these standards were in line with the EU legislation. The Vienna Agreement describes the cooperation between ISO and CEN how to adopt standards from each other. The CEN Technical Committee on animal feeding stuffs (CEN/TC 327) started his activities in 1996. The European Commission took his responsibility to finance two big method development programs till now. Mandate I has developed 10 methods and the current Mandate II (deadline July 2012) is developing 25 methods. At this moment there is a request to the European Committee to finance a program to develop and validate 28 new methods, all related to the current EU legislation. Hopefully the first preparatory steps e.g. tendering of the laboratories and project leaders will start in the beginning of 2011.

CEN/TC 327 under the guidance of the Dutch secretariat of NEN and the chairmanship of RIKILT – Institute of Food Safety (part of Wageningen UR) has five working groups to do all the work. The working fields of these WGs related to the knowledge of the experts are 'Organic contaminants' (WG1), 'Composition' (WG 2), 'Feed additives and drugs' (WG 3) and 'Heavy metals, trace elements and minerals' (WG 4). The special Working Group on 'Sampling and sample preparation' is doing his work in close cooperation with ISO/TC 34/SC 10.

At this moment the current Mandate II program executed by CEN/TC 327 has developed till now 13 new methods on the determination of DON (EN 15791), Zearalenone (EN 15792), Maduramicin (EN 15781), Nicarbazin (EN 15782), Monensin, narasin and salinomycin (EN 14183), Phytase (EN 30024), PCR typing of yeast (CEN/TS 15790) and six methods on the isolation and enumeration of probiotics (EN 15784 till EN 15789).

Twelve projects of Mandate II are still running. Three draft methods are still published namely the Guideline for Sample preparation (prEN-ISO/DIS 6498) and two draft methods on the determination of Fumonisin (prEN 16006) and Ochratoxin A (prEN 16007). In the first half of 2011 all other nine methods will be published as a draft standard and available for discussion. These draft standards are related to Semduramycin, Decoquinat, Hydrocyanic acid, Fluoride, Selenium, Mercury, Arsenic, Inorganic arsenic and the last one to Dioxins and dioxin-like PCB's. The recent scandals about Dioxins in eggs and meat caused by contaminated feeding stuffs is demonstrating the necessity of the availability of good and quick methods to determine these contaminants.

Most of the new work items of the possible third Mandate are essential to tackle or prevent new scandals in the feed sector and automatically related to the food sector. These methods will describe e.g. the determination of nitrite, mineral oils, glucosinolates, mycotoxins, antibiotics, alkaloids and melamine.

If you need further information please contact the CEN/TC 327 secretariat:

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Upcoming Events



18 - 21 Sept 2011

125th AOAC ANNUAL MEETING & EXPOSITION
New Orleans - Louisiana, USA

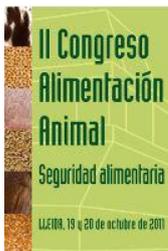
[More](#)



19 - 21 Oct 2011

5th INTERNATIONAL CONFERENCE: BALNIMALCON 2011
Bucharest - Romania

[More](#)



19 - 20 Oct 2011

II CONGRESO ALIMENTACION ANIMAL
SEGURIDAD ALIMENTARIA
Lleida - Spain

[More](#)



01 - 04 Nov 2011

5TH INTERNATIONAL SYMPOSIUM ON RECENT
ADVANCES IN FOOD ANALYSIS
Prague - Czech Republic

[More](#)



07 - 09 Nov 2011

3rd FEED FOR HEALTH CONFERENCE: ANIMAL DERIVED
FOODS FOR HUMAN HEALTH
Copenhagen - Denmark

[More](#)



21 - 22 Nov 2011

CONTAMINANTS AND RESIDUES IN FEED
AND FOOD OF ANIMAL ORIGIN
Köln – Germany

[More](#)

FEED SAFETY Platform : <http://www.feedsafety.org/>.
For further information contact: coordinator@feedsafety.org

This work is performed in the framework of a collaboration between the Walloon Agricultural Research Centre (CRA-W), the Institute for Reference Materials and Measurements of the European Commission's Joint Research Centre (EC-JRC-IRMM) and the Institute of Food Safety (RIKILT). The information reflects the authors views, the 3 institutes are not liable for any use of the information contained therein. Visitors who rely on this information do so at their own risk.

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