

Contaminants in feed and food

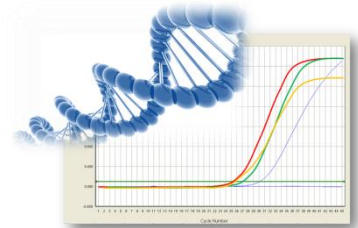
Short course 19 – 22 November 2013

Legislation
Analytical methods
Data treatment
Case studies
Validation
Sample preparation
New challenges



Course topics

- Plant and fungal contaminants
 - Ergots and datura
 - Ragworts, arnica, common ragweed
 - GMOs
 - Other botanical impurities
- Animal contaminants
 - Processed animal proteins
 - Meat authentication
- Industrial contaminants
 - plastics, oils, melamine
- Contamination of cereal crops and products, feeds, oils, milk products, meat



Target audience

This course is specifically intended for laboratory managers and quality control officers from the feed and food industries, risk managers and control laboratories concerned about contaminants as well as feed and food safety.

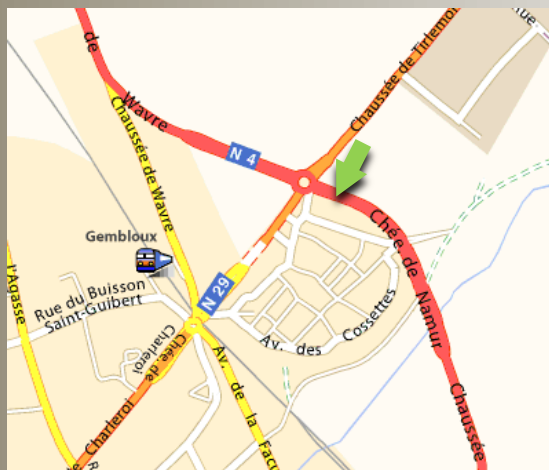
Course description

Contamination problems in the feed and food sectors have become over the years a major challenge to take up. Problems of contaminations deal not only with public health and animal health but also represent economic issues for producers. Aside classical chemical analytical methods, the urge of efficient identification and early detection of contaminants recommend alternative approaches combining other methods. This course focuses on DNA technologies, light microscopy, near infrared spectroscopy and imaging which accounts for a new arsenal of solutions.

The short course offers participants both theoretical lectures (legislation, methods and data analysis) and practical aspects (laboratory workshops). Numerous examples on each topic are commented. Interactive sessions will put you on the path to success.

Venue

The short course will be hosted by the Valorisation of Agricultural Products Department (Henseval Building) of the Walloon Agricultural Research Centre (CRA-W) in Gembloux, Belgium (*map on next page*)



It takes about 10 min to walk from Gembloux Station to the Valorisation of Agricultural Products Department of the CRA-W (**green arrow**), about 600 m.

Fee and registration

Participation to the course is **1500 €** per participant. The registration fee includes attendance at the 3 days course, the short course book with all lectures, coffee breaks, lunches and the course diner.

Registration is done by sending an email to p.veys@cra.wallonie.be

Deadline for registration is **18 October 2013** within the limits of available places.

Accommodation

Room reservations can be made at the hotel Best Western “Les 3 Clés” (at negotiated price of 70 €/night). The hotel is in front of the short course building. email: hotel@3cles.be

The CRA-W

Established in 1872, the Walloon Agricultural Research Centre (CRA-W) is a leading scientific **institution, under the Walloon Ministry of Agriculture. CRA-W employs some 450 people** including 120 scientists. Its offices, laboratories, greenhouses, orchards and experimental plots occupy an area of about 300 ha.

The expertise available at this multidisciplinary research institution covers the following areas: plant breeding, genetic engineering, plant genetic resources management, integrated plant protection, farming systems, agricultural engineering and agro-meteorology, optimisation of agricultural foods productions and analysis and quality control of agro-food products.

The Valorisation of Agricultural Products Department of the CRA-W has internationally renowned expertise in spectrometric and chemometric analysis applied to the qualitative management of agro-food products among others. As far as research is concerned, it has gone to great lengths to develop analytical techniques that will enable to measure or assess the quality of agricultural products from various angles. The expertise obtained from this activity gives the opportunity to offer services to industry as well as to society. The Valorisation of Agricultural Products Department has an expertise on the development and validation of analytical methods for the authentication of agro-food products. This expertise covers different techniques including microscopy, spectroscopy, DNA technology, chromatography, imaging or chemometrics among others



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