

Training course: Perspectives in coexistence and traceability along the supply chain: GMO detection, identification and quantification

26-28 March 2008
AgroBioInstitute, Sofia

Objectives and expected outcomes of the training course

- Promoting the state-of- the art scientific knowledge, accumulated under Co-Extra;
- Harmonizing procedures, methods and practices in the field of GMO traceability (between EU and non-EU countries)
- Encouraging the sharing of experiences and networking among the countries in the region

Course content:

Theoretical course will provide an introduction to Co-Extra, will present current problems and bottlenecks in the area of GM detection and traceability and will emphasize on the state-of-the art of the research in both co-existence and traceability fields. Practical course will address the needs of CEE and NIS countries, identified previously in the course of the project and will provide respectively specific training on qualitative and quantitative methods for GMO analysis in foods; will encourage the exchange of information, validated methods and good practices among the participants.

Target audience

Researchers, inspectors, involved in or planning to take part in the GMO control

Duration: 3 days

Number of participants (trainees): 12 + 4 or 6 observers

Countries: Central and Eastern European; Western Balkans; Central Asian

Selection criteria: experience in DNA methods (PCR), [initial] knowledge on GMO detection

Main topics covered:

Theoretical course:

- Regional experience in GMO regulations
- Coexistence on farm

- Sampling strategies, sampling on the field
- GMO detection – modular approach
- Detection of unknown events

Practical course:

- PCR for screening 35S/NOS
- GM seed testing – compatibility of testing plans and measurement units
- PCR for identification of transformation event
- Certified reference materials
- Real time PCR for specific detection and quantification of transformation events
- Data analysis