

Presentation
of the
INTERNATIONAL ASSOCIATION
FOR FEEDINGSTUFF ANALYSIS (IAG)

- SECTION FEEDINGSTUFF MICROSCOPY

Dr. Inge Paradies-Severin

LUFA NORD-WEST, Germany

Organisation

INTERNATIONAL ASSOCIATION FOR FEEDINGSTUFF ANALYSIS
(**I**nternationale **A**rbeits**g**emeinschaft (IAG) für Futtermitteluntersuchung)

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SECTION FEEDINGSTUFF

MICROSCOPY and MICROBIOLOGY

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Section Feedingstuff Microscopy

European Feedmicrobiology Organisation

IAG MICROSCOPY

EFMO

IAG Laboratories in Europe



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IAG WORK

- Method development
- Organisation of ringtrials
- Performance of workshops
- Training in microscopy
- Partners of the CRL-AP-NRL network
- Partners of EC - projects
- Statements for national and EC purposes

METHOD DEVELOPMENT

- 1997 IAG method
Microscopical Identification of Animal Constituents in Feedstuff
- 1998 **Guidelines for the Microscopic Identification and Estimation of Constituents of Animal Origin in Feedstuffs**

Guideline 98/88/EC
- 2003 **DIRECTIVE 2003/126/EC**

Other IAG methods for the microscopic investigation of feedingstuffs

- Sample Preparation for the Macroscopic and Microscopic Analysis

composition of feedingstuff

- Identification and Estimation of Constituents in Animal Feedingstuff

undesirable substances

- Determination of Ergot in Feedingstuff**
- Determination of Datura spec. in Feedingstuff**
- Determination of Castor Seeds in Feedingstuff**
- Determination of Stone Husks in Feedingstuff**
- Determination of Rice Husks in Feedingstuff**
- Determination of Ambrosia in non-pelleted Feedingstuff**

Other applications and IAG methods in work

- Sample Preparation for the Determination of Bone Fragments in Sewage Sludge, Compost and Soil

- Determination of Mites and other Infestations in Feedingstuff

IAG RINGTRIALS

- Animal protein in compound feedingstuff (RIKILT, Netherlands)
- Identification and estimation of constituents in compound feedingstuff
 - dairy feed
 - pig feed
 - chicken feed

(Agroscope Liebefeld-Posieux, CH ; LUFA Nord-West, D)

- Determination of undesirable substances
 - ergot in feedingstuff
- Agricultural Technology Centre (LTZ) Karlsruhe (LTZ Karlsruhe, D)
- Identification and estimation of constituents in organic fertilizers (AGES Wien, A)

IAG Workshops and Training Courses

- 1996 Training on the determination of
- animal constituents
 - feedstuff constituents in general
 - undesirable substances
- (University Hamburg, Botanical Institute, D)
- 2003 workshop „**Open Declaration**“
Identification and Estimation of Constituents in Feedstuff
(University Hamburg, Botanical Institute, D)
- 2007 workshop „**Botanical Impurities**“
(Agricultural Technology Centre Karlsruhe (LTZ), D)

EU Training Courses with Participation of IAG Members as Trainers

2004 Microscopic detection of animal protein in feed

TAIEX training for the new EU member states
(Technical Assistance Information Exchange Office)

2005 Microscopic detection of animal protein in feed

3 training courses for former EU member states

2008 SAFEED-PAP Workshop in Vilnius (Lithuania)

IAG members as partner of the CRL-AP-NRL network

- CRL-AP interlaboratory studies and proficiency tests
- Development of a new protocol for the detection of animal protein
- Improvement of the quantification of animal protein
- Dissalation on the limit of detection
- Advices for the report of the results

IAG members as partners of EC-projects

2001-2004 STRATFEED PROJECT

Strategies and Methods to Detect and Quantify
Mammalian Tissues in Feedingstuff

2006-2009 SAFEED-PAP

Detection of presence of species-specific
processed animal proteins in animal feed

IAG statements for national and EC purposes

- VDLUFA STANDPOINT PAPER
dealing with the importance of feedingstuff microscopy
- contribution to solve the problem of animal constituents in
sugar beet pulp

IAG future work

June 2008

Annual IAG meeting in Budapest

(Central Feed Investigation Laboratory)

Some ideas for the future

- ringtrial on castor seeds and ambrosia seeds
- more workshops on botanical impurities
- muscle cells from insects
- microscopy of organic fertilizers
- microscopy of peat
- microscopy of biogas residues

The IAG - Section Feedingstuff Microscopy

- a pool of specialists
- represents a European network of microscopic knowledge

www.iag-micro.org

Thank you
for your attention