



# INTERNATIONAL ASSOCIATION FOR FEEDINGSTUFF ANALYSIS

## Section Feedingstuff Microscopy

**IAG** - Internationale **A**rbeits-**G**emeinschaft für Futtermittel **S**ektion  
**M**ikroskopie

### ANNUAL CONFERENCE 2010 TERVUREN/BRUSSELS 08.06. – 10.06.2010

- Opening and Welcome by J.S. Jørgensen
- Welcome from FLVWT by J. Vancutsem
- Presentation of the participants and activities of 2009
- Concerning the technical lectures will be referred to the proceedings of our meeting.

**RINGTESTS** (for detailed information look at the evaluation of the particular ringtest):

#### **VAN RAMSDOONK (NL) - IAG Ring test "animal protein 2010":**

2010-A: 2% fish meal, 0.1% MBM  
2010-B: blank sample  
2010-C: 2% fish meal, 0.05% MBM

- 53 laboratories participated with microscopic analysis.

#### **Conclusion:**

- in general very good results of all labs
- the current ringtest shows at levels of 0.1% and 0.05% MBM in presence of fish meal that very good results can be reached
- specificity levels are also at very high levels, as far as can be discerned from sample design
- the specificity of microscopic method for proper detection of the lack of animal proteins still might have further attention
- the organizer of the ringtrial suggests to evaluate further the effect of different types of glasswares and staining the sediment by Alizarin Red
- because of a few false positive detection of animal proteins (specificity) training of microscopists remains important

#### **REISNER - (D) - IAG – Ring test 2010 "Determination of the composition of dairy feed":**

25 laboratories participated. The sample was a mixed feed for dairy provided by local producer.

The sample was analysed according to IAG - Method A2 "Method for the identification and estimation of constituents in animal feedingstuff"

#### **Conclusion:**

- uncertainty limits were calculated according to the "IAG-Model"(decided in Rostock 2006)
- 77 % of the results were quite well (88%/2009; 78%/2008; 73%/2007; 89%/2006)

- All labs identified the declared ingredients,
- Wheat by-products was underestimated and dried sugar beet pulp was overestimated,
- Only 3 labs were underperforming

#### **FRICK (CH) – IAG – Ring Test 2010 “Ambrosia”:**

- 30 laboratories participated
- For analysing was used IAG-Method A5 “Method for the Determination of *Ambrosia* (*Ambrosia artemisiifolia* L.) in non-pelleted Animal Feedingstuff”
- Bird feed matrix was spiked with 20 seeds in three different sieve-fractions
  - 6 seeds between 4.5mm – 2.5mm
  - 12 seeds between 2.5mm – 2mm
  - 2 seeds between 2mm- 1.5mm

#### **Conclusion:**

- 50 % of the labs produced correct results ( 4 labs found the exact number of spiked seeds; 11 labs found 2 seeds more or three seeds less)
- 4 labs found 15 -16 seeds
- 10 labs found only between 7-13 seeds
- Only 1 lab found 24 seeds
- If a new ringtest should be arranged it was suggested to have the findings of Ambrosia seed photographed

#### **HERTEL (D) – IAG Ring test 2010 – “Ragwort in hay”:**

- 13 labs participated
- Hay samples were mixed with Hoary Ragwort (*Senecio erucifolius* L.)
- For analysing was used IAG – Method A 8 “Method for the Determination of poisonous plants in roughage”

#### **Conclusion:**

- Every Lab found *Senecio* sp. In the hay sample
- Quantification was good
- Coherence of the results to low amounts of *Senecio erucifolius* L is assumed

#### **Open questions:**

- Coherence to the knowledge of mixed Ragwort?
- How would be the recovery of poisonous plants in an unknown sample?
- How would be the recovery if characteristic flowers or seeds are absent?
- HERTEL was asked, if possible, to produce a draft “identification key” for Ragwort, and the audience was asked to send her any material to help her in this work.

#### **DECIDED RING TESTS FOR THE ANNUAL CONFERENCE IN KREFELD (B) 2010:**

- open declaration – LUFA Nord-West (Oldenburg)
- open declaration and or Ambrosia – RAP (Posieux); is to be discussed in Hamburg
- animal proteins – RIKILT (Wageningen)

#### **IMPORTANT TOPICS AND INFORMATIONS:**

##### **New IAG member:**

Maud Verhelst from the ECCA Laboratorium in Merelbeke (independent lab for industrial analyses [www.labecca.be](http://www.labecca.be) ) was accepted as a new member of the IAG group. At the next summer meeting she will give a presentation of her company laboratory.

**METHOD READING and DECISION:**

IAG Method A7 "Method for the Determination of Stone Shells in Animal Feedingstuff", after the third reading it was **decided**.

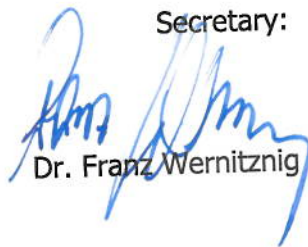
**Following topics are scheduled for the meeting in Hamburg 2010:**

- Discussion on conditions for ringtest in general.
- Adaption of IAG – Rules
- Discussion on methods
  - IAG – Method A 8 "Method for the Determination of poisonous plants in roughage 2<sup>nd</sup> reading
  - IAG – Method A 9 "Method for Determination of Rice chaffs
- The meeting in Hamburg was decided to take place from 28. to 29.09.2010 (after the meeting because of construction work in the Institute of the University the meeting will take place September 27-28<sup>th</sup>, 2010)

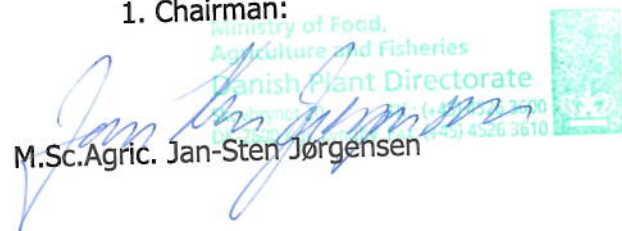
For our annual conference 2011 we are invited to KREFELD (D) and the meeting will take place from June 7<sup>th</sup>. to 9<sup>th</sup>, 2011.

Many thanks to the organizer team from Tervuren!

Secretary:

  
Dr. Franz Wernitznig

1. Chairman:

  
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