

Methods of Analysis

Dr Jan Floor, South Africa and Dr Jaap Evers, New Zealand, co-chairs of Conference 5 – Methods of Analysis, are excited about the future of analytical testing: “To bring out the benefits to stakeholders in the dairy chain, we chose to focus the conference on the theme of Adding value through cost-effective testing.”

Raw milk testing is critical for farmers, manufacturers and regulators alike. Dr Christian Baumgartner believes the field of raw milk testing typically reflects the problems of emerging systems where structures still have to be developed to serve the technical and economic progress of a sector.

Data handling issues and suitable statistical procedures are crucial when designing a raw milk testing system. The question is not what the best system is in general but how to define the steps to reach an optimal system for the country in question in the future.

Dr Harrie van den Bijgaart, the Netherlands, stated that safeguarding the integrity of milk relies on well-known integrated chain management principles for food safety, such as effective communication, appropriate food safety skills through education and training, working with reliable suppliers, a common understanding of the principle of shared responsibilities and a supportive role of competent authorities.

The choice of the best analytical approach at different levels in the dairy value chain is a trade-off between capacity, speed, accuracy, sensitivity, reliability and cost.

According to Jacquelin Page, USA continual improvement of practical test methods and tools is

critical in addressing the accelerating challenges facing the global dairy industry today.

Evolving economic and market demands require innovative new tools that address critical control points throughout the dairy supply chain to be reviewed and new approaches formulated to meet the criteria of the new demographics.

Page reviewed several innovative, practical test methods, including small, automated devices that provide affordable results at every level of the dairy value chain – from cow to customer. The best analytical poster prize went to Ellen K Ulleberg from the Department of Chemistry,



PANEL SESSIONS 1 & 2



DR JAN FLOOR AND PROF MARCOS VEIGA DOS SANTOS

Biotechnology and Food Science, University of Life Sciences, Norway, for her poster on “Whey protein digestion – Effect of pH and gastrointestinal enzymes in comparison with commercial enzymes”. Prof Gerd Vegarud, under whose guidance the research work was carried out, received the prize on her behalf.



JACQUELIN M PAGE & DR CHRISTIAN BAUMGARTNER

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