



Inside this issue

- ◆ Science and Technology, Key IDF Strengths for all Stakeholders
- ◆ Promotion of IDF
- ◆ Success Stories
- ◆ Programme of Work
- ◆ Relations with International Organizations
- ◆ Cooperation with National Committees
- ◆ IDF Events
- ◆ IDF Publications

Message from the Director General

Science and Technology, Key IDF Strengths for all Stakeholders



I am very pleased to issue an invitation to the academic world to intensify its collaboration with IDF.

IDF's strength lies in scientific expertise. This expertise is the main element of the IDF programme of work and of most IDF activities. This key strength of IDF makes the reputation of our network of renowned experts. It is also the main contributor to IDF's major success stories.

New science-based projects can also bring new dairy specialists into IDF and increase our range of expertise. In return, participation in IDF will enable young dairy experts to establish a worldwide network of contacts which will help them to gain more insight in their area of expertise.

I hope this is an important step in building a closer relationship between universities and the IDF community. Proposals will be carefully considered when preparing our next programme of activities.

Contact: [Christian Robert](#), IDF Director General

The official presentation of the 2008 IDF World Dairy Summit to the press is scheduled in Mexico on 8 May 2008.

The IDF Head Office will issue a Newsflash announcing the update of the website including details about the programme and registration.

Promotion of IDF

Russia

In the context of the 6th Dairy International Forum held in Moscow, 18-21 March 2008, Christian Robert was invited to deliver a presentation on the World Dairy Situation.

The IDF Director General also chaired one session of the Dairy Industry Forum, which was organized by the Russian Dairy Union, as the organization that is hosting the IDF National Committee of Russia. A major international exhibition of dairy equipments and suppliers was also organized with about 800 different exhibitors present.

Contact: [Christian Robert](#), IDF Director General



The IDF Director General during his presentation to participants from Russia, Kazakhstan and other neighbouring countries, in the presence of Dr. Vladimir Labinov (right).

Belarus

During their visit on 20 March 2008, the IDF Director General and the IDF Technical Director visited the National Institute for the Meat and Dairy Industry as well as one of the largest dairy plants in the country producing a very large range of dairy products of different kinds (chilled drinking milk products, fermented milk, cheeses etc.).



Christian Robert and Jörg Seifert together with (from left to right): Deputy Minister of Agriculture of Belarus, the Director of Dairy Union of Belarus and the Director of National Institute for Meat and Dairy Industry.

The Minister of Agriculture of Belarus had organized a meeting with about 100 representatives of the dairy sector of Belarus, including the directors of all major dairy plants of the country and several top governmental officials in order to explore the opportunities for involvement and collaboration between IDF and the dairy sector of Belarus, which is of strategic importance for the development of the national agriculture and economy.

Contact: [Christian Robert](#), IDF Director General

Success Stories

Where industry meets science – record participation at 5th IDF International Symposium on Cheese Ripening, Bern (CH), 10 to 13 March 2008

A record number of more than 400 scientists, dairy technologists and other experts from academia and industry from 41 countries attended the symposium, which was organized as a continuation of the series of highly successful events that has started in 1992.

47 oral presentations and 200 posters were presented in 10 sessions triggering very fruitful discussions with regard to latest scientific findings and their application in industrial practice in the following fields of interest:

- important microbial and enzymatic activities during cheese ripening,
- control of flavour formation and chemical analysis,
- sensory studies,
- texture, structure and functionality of cheese,
- influence of technology on cheese ripening, and
- packaging and safety.

These aspects contribute to the improvement of manufacturing and ripening procedures and quality of the final product. They also enable technological innovation and enhancement of functional and physiological properties of cheese in order to increase nutritional value and consumer confidence in cheese and cheese products.

The scientific papers presented will be published at the peer-review journal “Dairy Science and Technology”, known under its previous name “Le Lait”. The Organizing Committee will publish the book of abstracts in electronic format from the symposium website: <http://www.cheese2008.ch>.

IDF would like to express its gratitude and sincere appreciation to the Swiss Organizing Committee and the international Scientific Programme Committee, under the leadership of Dr. Hans-Peter Bachmann and Mr. Ueli Bütikofer of the Swiss Agroscope Liebefeld Posieux Research Station, for their outstanding commitment and excellent work in organizing an event with a top-class programme.



Mrs. Doris Leuthard, Swiss Federal Councillor and Head of the Federal Department of Economic Affairs at the opening of the event.



Blowing the Swiss Alphorn from right to left: Dr. Hans-Peter Bachmann and Mr. Ueli Bütikofer of the Swiss ALP Research Station.

Contact: [Joerg Seifert](#), IDF Technical Director

Programme of Work

Latest Developments in Animal Health

The IDF Standing Committee on Animal Health met in Brussels on 4 March 2008.

Finalization of the IDF Guide on Good Animal Welfare in Dairy Production (liaison matter with SC Farm Management)

SCAH has provided comments for the preparation of a revised draft, which has meanwhile been submitted to IDF National Committees for comments and approval prior to publication with a deadline for reply of 11 June 2008).

New IDF initiative with regard to establishment of an IDF work programme related to environmental sustainability (liaison matter with new IDF Brainstorming Task Force on the subject)

The meeting considered that issues in relation to veterinary medicine and antibiotic residues in the environment as well as parasite control and its environmental impact could be considered as targets of new IDF work in this area.

New IDF work on Reference System for Somatic Cell Counting (liaison matter with SC on Quality Assurance, Statistics of Analytical Data Sampling)

Following a well-structured presentation, the meeting expressed its support for new joint IDF and ICAR work on the development of a Reference System for Somatic Cell Counting. A formal IDF New Work Item has meanwhile been evaluated by the IDF SPCC and circulated to IDF National Committees for e. It was suggested to encourage FAO and OIE to consider their interest in this field and to possibly engage with the project.

Antimicrobial Resistance (liaison matter with SC on Residues of Chemical Contaminants)

The meeting agreed that IDF should focus its input on the Task Force project related to Risk Management and that identified experts should review relevant papers and provide technical comments to Joerg Seifert (IDF) who co-ordinates IDF input to the Codex work.

FAO responded positively on the IDF request to consider organizing stakeholder meetings, similar to meeting that was organized prior to the Joint *FAO/WHO/OIE Expert Meeting on Critically Important Antimicrobials*, 26 to 30 November 2007 in Rome (IT), on a regular basis prior to forthcoming Expert Consultations such as the upcoming *FAO/WHO Expert Consultation on fats and fatty acids in human nutrition* in the last quarter of 2008.

IDF World Dairy Summit Mexico 2008 – Programme of animal health conference

The meeting elaborated a revised programme outline structured in four sessions including suggestions for specific presentations and speakers. Additional comments and suggestions should be submitted to C McCrindle (ZA), who co-chairs the Programme Committee for the conference.

FAO activities related to Animal Health – request for closer collaboration with IDF

FAO views IDF events as an excellent forum for FAO to gain more insights on sector specific issues. It was agreed to initiate steps to enter into a tripartite FAO/OIE/IDF discussion on how IDF could support the communication and capacity building efforts for a faster implementation of international animal health and animal welfare standards in the dairy sector.

OIE work on Good Farming Practices

OIE is producing a new Guide to Good Farming Practices for Animal Production Food Safety for publication outside the framework of OIE standards. It is not supposed to have legal implications for international trade under WTO/SPS and most likely will be published as an FAO/OIE guide for voluntary applica-

tion by the agri-food sector. IDF has a significant interest in the subject and has offered to FAO/OIE to continue the provision of technical assistance.

Interpretation of Mastitis Terminology - Revision of IDF Bulletin No. 338/1999

The deadline of end December 2008 that had been fixed for the completion of this item was considered optimistic although the work should have progressed significantly by that date. It was agreed to circulate the proposal for new terms and ask members to review it alongside those in IDF Bulletin 338/1999 and IDF Bulletin 394/2005 – Economic Consequences of Mastitis. Members are requested to respond to this request by 31 May 2008.

Impact of Foot and Mouth Disease on the Dairy Sector

The meeting agreed that members should approach their National Committee Secretary in order to recommend approval of the final draft article for publication (deadline of the IDF Approval Questionnaire is 13 April 2008).

Working area / Action Team on Production diseases

A new Action Team under the leadership of Jörn Hamann (DE) was established. The AT leader will convene the group and initiate the work. A report on progress should be available at the next meeting.

IDF Animal Health Newsletter

Henk Hogeveen (NL) is compiling input for the second edition. Proposed topics of specific articles include issues in relation to BSE/TSE, Bluetongue, FMD economic impact, Rift Valley Fever, bovine TB and brucellosis. IDF publication is expected for mid-2008.

Forthcoming elections of a new Chair and Deputy Chair

The IDF Head Office will launch a call for candidates in good time prior to the next meeting when elections will be organized.

Next meetings

11 November 2008, the day prior to the IDF World Dairy Summit 2008 animal health conference. OIE has invited the next following meeting in Paris, most likely to be held in the first half of 2009.

Minutes of the meeting are available from the IDF Intranet.

Contact: [Joerg Seifert](#), IDF Technical Director

Dairy Policies and Economics

Meeting Standing Committee on Dairy Policies and Economics, Anand (India), 8-9 March 2008

Items discussed

World Dairy Situation

The world dairy situation was presented by Monica Wohlfahrt (ZMP, Germany). Expectations for milk production in 2008: EU will recover in response to higher prices and enlarged quotas (+2.5%); USA growth will slow down due to higher costs and lower milk prices; milk production in Oceania is expected to drop as also New Zealand now is hit by drought; in China the hard winter may slow down growth; Argentina and Russia will recover in 2008.

Country reports

Jim Begg (Dairy UK) presented the country reports. Remarkable topics: a future dilemma for the dairy sector could arise from the subject areas of animal welfare and environment. Critical production factors will be feed, fertiliser and water. Biofuel is not just an advantage with regard to alternative sources of re-

renewable energy but it will also have massive impact on feed prices in the future. Milk is blamed for food price inflation in many countries. The SC DPE will run an inflation survey to see if this accusation has some base.

Climate change and dairy and India's dairy industry – Discussion session

Amrita Patel (NDDDB, India) chaired the discussion session: "Dairying- Its impact on the environment". She pointed out in her introduction that the FAO report "Livestock's long shadow" would have a large impact on our industry. She suggested to treat milk production and meat production separately by its own effects and warned that the image of dairy is at stake and therefore we should react at some speed.

Rudolf Schmidt (Germany) criticized the lack of knowledge by opinion leaders, politicians and consumers on the issue.

Jim Begg (Dairy UK) explained that the retail sector in the UK is highly motivated and promotes more and more carbon food prints on the package of products. Dairy UK prepares a milk roadmap to tackle the problem proactively.

Mangat Ram Garg (NDDDB, India) said that the NDDDB set up a system to measure the methane emission of cattle.

Finally Ravi Shankar (NDDDB) gave an overview of India's dairy industry with its specificities regarding the procuring of milk, the marketable surplus, the coop as business format to process and distribute the milk, etc. Milk production increased from 66 million tonnes in 1996 to 101 million tonnes in 2007. The National Dairy Plan (2007-2022) foresees a further growth to 180 million tonnes in 2021.

Contact: [Adriaan Krijger](#), Chair of the Standing Committee on Dairy Policies and Economics

Relations With International Organizations

Codex Committee on Methods of Analysis and Sampling, 10-14 March 2008, Budapest, Hungary

Codex Committee on Nutrition and Foods for Special Dietary Uses (CCNFSDU) - Standard for Infant Formula and Formulas for Special Medical Purposes intended for Infants

The CCMAS has endorsed the reply from CCNFSDU to a previous request from CCMAS to revise the list of methods for the standards for infant formula and formulas for special medical purposes intended for infants, including the standard method ISO 8070|IDF 119:2007 as the most appropriate method for the determination of sodium and potassium in infant formula. The proposed methods for crude protein AOAC 991.20 and ISO 8968-1/2|IDF 20-1/2: 2001 was also endorsed including a footnote clarifying that the calculation of the protein content of infant formulas prepared ready for consumption may be based on $N \times 6.25$, unless a scientific justification is provided for the use of a different conversion factor for a particular product. The value of 6.38 is generally established as a specific factor appropriate for conversion of nitrogen to protein in other milk products, and the value of 5.71 as a specific factor for conversion of nitrogen to protein in other soy products.

A working group of the CCNFSDU will work on establishing a complete list of methods.

In addition, CCMAS will ask CCNFSDU to consider re-instating one of the dietary fibre methods in order to calculate energy.

Codex Committee on Milk and Milk Products – Update on the list of methods

The current list of methods has been updated, according to suggestions from the last CCMMP, following some editorial changes, updates, and clarifications of principles.

The type of all Technical Specifications/Reviewed Methods has been reviewed to be IV in all cases since the methods were not validated by international collaborative studies.

General Issues – Safety concerns of methods

The CCMAS agreed that safety concerns should not affect endorsement of methods and that only if there was a choice between 'equally performing' methods, that the safer option should be given preference. Concerns of health and safety should be addressed through good laboratory practice and standards development bodies taking into account these factors when developing and/or revising analytical standards.

Committee on Milk and Milk Products - Discussion Paper on sampling plans for milk products in the presence of significant measurement error

The CCMAS discussed the matter referred from CCMMP on the Discussion Paper on sampling plans for milk products in presence of significant measurement error relating to the question whether the topic should to be considered as a horizontal matter. The CCMAS concluded that the Delegation of New Zealand would prepare a discussion paper clearly outlining the problem and indicating how it could be addressed in a horizontal manner.

Guidelines on establishing methods criteria for the identification of relevant analytical methods

The CCMAS agreed to forward the proposed amendment to the Procedural Manual to the commission for adoption and inclusion in the Procedural Manual. The section 2, the guidelines, has not been discussed in detail and will be redrafted by an electronic Working Group, for consideration at the next session in view to their inclusion in the Procedural Manual.

The changes in endorsement status of several methods will be forward to the Commission for adoption.

Guidance on Measurement Uncertainty

The CCMAS agreed to activate an electronic working group to include notes, before going for new work approval. IDF will participate in this working group.



*The "IDF Codex Team" in Budapest.
From left to right: H. Van Den Bijgaart, A. Dubois and J. Evers*

Uncertainty of Sampling

The CCMAS noted availability of publications, and agreed to keep the item under consideration, as it is premature to undertake new work. An electronic working group will revise the discussion paper for consideration at its next session.

Next meeting

The next session of CCMAS will be held in Budapest (HU) in March 2009.

Contact: [Aurélie Dubois](#), IDF Standards Officer

Cooperation with National Committees

US-IDF Education Session, 26 March 2008, Rosemont (US)

The US-IDF Education Session is conducted each year in association with the US-IDF Annual Meeting. Its 2008 program included an overview of nutritional priorities within IDF and highlighted a broad selection of activities and events organised by the IDF Standing Committee on Nutrition and Health (SCNH). The Global Dairy Platform provided an update on their efforts so far and identified areas of strategic focus. Other presentations in the session focused on 'Factors driving today's global trade environment', and 'Free trade agreements & the WTO Treaty: how do they interact'.

Sandra Tuijelaars, IDF Nutrition Officer, presented the update of the IDF nutrition programme including plans related to ongoing discussions within Codex Alimentarius, i.e. definition of dietary fibre, nutritional risk analysis, and substantiation of health claims. She highlighted the launch of the IDF Dairy Nutrition website, which is an excellent tool to convey dairy messages (see <http://www.idfdairynutrition.org>). In addition she gave an update on activities of several SCNH Action Teams, e.g. the Action Team on Scientific Update on Dairy Fat and CHD, and mentioned several nutrition events that are being organized.

The session ended with a panel discussion on international hot topics and their potential future impact to trade, such as nutrient profiling, animal borne viruses, rBST and cloning trade issues, sustainability, and the dairy industry 'Green Footprint'.

The next US-IDF Education Session will be held in spring 2009.

Contact: [Sandra Tuijelaars](#), IDF Nutrition Officer

New work items /Questionnaires under consideration of IDF National Committees

Ref.	Title	Deadline
New Work Item		
o8o2/ MSSG	Reference system for somatic cell counting	26 May 2008
Questionnaire		
o1o8/SC AH	Issues for the Dairy Industry to consider in the management of an outbreak of Foot-and-Mouth Disease	13 April 2008*
o2o8/SC MMA	Milk products - Enumeration of presumptive bifidobacteria - Colony count technique at 37 °C	25 June 2008
o3o8/SC FM	IDF Guide to Good Animal Welfare in Dairy Production	11 June 2008

* Few remaining responses awaited from NCs

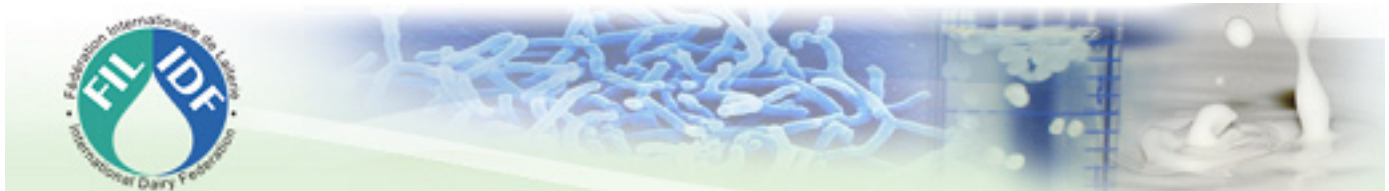
New work items and questionnaires recently considered by IDF National Committees

Ref.	Title	Results
New Work Item		
o8o2/ SCNH	Lactose - Determination of water content - Karl Fischer method	Endorsed

IDF Events

IDF Dairy Science and Technology Week

Quebec City (CA), 12-16 May 2008



- Programme and registration available at: www.fil-idf.inaf.ulaval.ca/programme-fil.html

Go to www.fil-idf.inaf.ulaval.ca for more information.

Contact: [Aurélie Dubois](mailto:Aur%C3%A9lie.Dubois@idf.org), IDF Standards Officer



IDF/ISO Analytical Week

Montreux (CH), 19-23 May 2008



The programme of the symposium on “Monitoring of Residues and Contaminants in the dairy chain” to be held on Wednesday 21 May 2008, is now available.

Programme overview of the event is available at: <http://analyticalweek08.fil-idf-pr.com/>

Contact: [Aurélie Dubois](mailto:Aur%C3%A9lie.Dubois@idf.org), IDF Standards Officer

IDF Dairy Farming Summit Tackles Climate Challenge

Edinburgh, Scotland (GB), 25-27 June 2008

Dairy farmers are being offered a major chance to make their voices heard over climate change at the International Dairy Federation’s First Dairy Farming Summit in June.

Jointly organised by DeLaval, the landmark event is being staged at the Sheraton Hotel in Edinburgh from 25 to 27 June, and will bring together farmers from more than 40 countries around the world. Delegates will also have the chance to visit the Scottish Agricultural College’s Crichton Royal Research and Demonstration Farm in Dumfries.

The first two days are for setting the global scene, presenting facts and perceptions, defining the problems and discussing alternative solutions. The third day is for the visit to Dumfries and identifying actions that delegates can take to improve their businesses and make their contribution to reducing dairy farming’s environmental impact.

It will also feature 5 films of dairy farmers from different countries describing the situation in their countries, which have been selected on the basis of their particular characteristics – these are:

- USA energy source and usage
- Egypt water access and usage
- Netherlands climate change and global warming
- China contamination and pollution
- Brazil biodiversity and deforestation

The World Organisation for Animal Health (OIE) will examine the impact of climate change on animal health and welfare and further presentations will cover the major FAO report entitled Livestock's Long Shadow and the predicted climate models for the featured countries and an evaluation of the economic implications for dairy farming. The consumer situation will also be highlighted.

David Homer, a dairy farmer and the person responsible for co-ordinating IDF's dairy farming activities, says: "Our aim is to give dairy farmers some practical advice on what they can do to reduce the environmental impact of their businesses. We all have a responsibility when it comes to these questions and everybody's contribution is needed.

"This interactive conference is a major opportunity to demonstrate that the dairy sector takes its green responsibilities seriously. It should also help to map out a more sustainable future for dairying. It is vital that farmers seize that opportunity with both hands."

For more information, and to register, please visit the Summit website at: (<http://www.eventsforce.net/iddfs>) or

Contact: [Ian Wakeling](mailto:ian.wakeling@idf.org), UK National Committee of IDF

First IDF/INRA International Symposium on Minerals And Dairy Products **Saint-Malo (FR), 01-03 October 2008**

- Online Registration is available at: <https://www.inra.fr/mdp2008>
- Submission of abstracts for oral presentations and posters extended until **May 23, 2008**. See instructions online.

Visit the event's website (<https://www.inra.fr/mdp2008>) to regularly be kept up-to-date!

The first announcement is available for consultation.

Contact: [Aurélie Dubois](mailto:Aur@idf.org), IDF Standards Officer

The 5th International Symposium on Milk Genomics & Human Health **Sydney (AU), 14-16 October 2008**

The three-day event will attract international experts in nutrition, genomics, bioinformatics and milk research to discuss current and future genomic research of mammalian milk and its related health benefits.

For more information, visit <http://www.milkgenomics.org>

Suggested Topics include:

- The Bovine Genome revealed!
- Evolution across genomes
- Lipids – the next beneficiary of Genomics
- Milk research down under

Contact: [Jennifer Giambroni](mailto:jennifer.giambroni@imgconsortium.org) at info@imgconsortium.org or +1 415 254 4549

DIAA/IDF Functional Dairy Foods 2009

Melbourne (AU), 24-25 February 2009

This conference, which is part of the Dairy Science World Series, will focus on new opportunities and challenges in production and bioactivity of functional dairy foods and their impact on health.

Latest information including the call for oral and poster contributions (deadline 1 June 2008) is available at <http://www.diaa.asn.au>

IDF WORLD DAIRY SUMMIT 2009

Berlin (DE), 21-24 September 2009

At its most recent meeting of April 2008 the Organizing Committee has confirmed the following conference topics:

- World Dairy Leaders Forum
- Economy, in conjunction with the annual "ZMP Milkforum"
- Animal Health and Welfare
- Nutrition and Health
- Animal Breeding and Feeding
- Dairy Science and Technology
- Sustainability and Environment
- Food Safety and Hygiene
- Marketing and Communication
- Workshop on Sampling and Analysis

Conference managers are being appointed. It is envisaged to develop conference programmes in close collaboration and with substantial input from IDF working bodies in respective fields.

IDF business meetings of IDF working bodies and meeting of the IDF General Assembly and IDF Open Forum on Present and Future Work will be held prior to the Summit, from 17 to 20 September 2008.

Several technical tours and social gatherings will round up the Summit envisaged to become the ninth of a series of very successful annual IDF World Dairy Summits starting in Dresden/Germany in 2000.

A first announcement and the official events website will be launched in June 2008.

The German National Committee of IDF invites you to participate and enjoy an interesting programme as well as the unique atmosphere of Berlin in September 2009 as the date marking the 20th anniversary of the peaceful revolution that has led to the reunification of Germany.

Contact: [Dr. Ines Coldewey](#) or [Joerg Seifert](#), IDF Technical Director

Postponement of IDF Regional Symposium on Dairy-Based Infant Formulas and Fermented Milks

The Chinese National Committee of IDF has informed the IDF Head Office that the first IDF Regional Symposium on Dairy-Based Infant Formulas and Fermented Milks that was planned to be held in Huhhot/China in June 2009 will not take place. The event has been removed from the official IDF timetable of meetings and events pending further discussion and confirmation of a suitable opportunity to organize the symposium at a later date.

Contact: [Joerg Seifert](#), IDF Technical Director

List of upcoming events

- **Third IDF Dairy Science and Technology Week,**
12-16 May 2008, Quebec City, Canada
- **IDF/ISO Analytical Week,**
19-23 May 2008, Montreux, Switzerland
- **IDF/ILSI Europe Workshop on Probiotics,**
22-24 May, Montreux, Switzerland
- **First IDF Dairy Farming Summit,**
25-27 June 2008, Edinburgh, United Kingdom
- **IDF/INRA First International Symposium on Minerals and Dairy Products,**
1-3 October 2008, Saint-Malo,
- **IDF World Dairy Summit 2008,**
8-14 November 2008, Mexico City, Mexico
- **IDF/DIAA Conference on Functional Dairy Foods 2009,**
24-25 February 2009, Melbourne, Australia
- **Fourth IDF Dairy Science and Technology Week,**
20-24 April 2009, Rennes, France
- **IDF/ISO Analytical Week,**
18-22 May 2009, Kislovodsk, Russia
- **IDF World Dairy Summit 2009,**
20-24 September 2009, Berlin, Germany
- **5th IDF International Conference on Mastitis,**
21-24 March 2010, Christchurch, New Zealand
- **IDF/ISO Analytical Week,**
May 2010, Canada
- **IDF Symposia on Science and Technology of Fermented Milk and Microstructure of Dairy Products,**
7-11 June 2010, Tromsø, Norway
- **IDF World Dairy Summit 2010,**
Auckland, New Zealand

View all IDF Events at:

<http://www.fil-idf.org/EventsCalendar.htm>

IDF Publications

Abstracts of **presentations** at the **IDF World Dairy Summit Dublin 29 September - 4 October 2007** are available from the IDF Intranet. (section Communications and Public Affairs, select folder Events –2007 Events)

Powerpoint **presentations** of the **IDF/FAO/WHO Symposium on Food Safety Management, 13-15 February 2008, Nusa Dua, Bali – Indonesia** are also available from the IDF Intranet (section Communications and Public Affairs, select folder Events - 2008 Events)

Bulletins of the month

Bulletin of the IDF No. 425/2008 - Sampling plans for inspection by variables

All current international standards dealing with inspection by variables assume that measurements are made without any uncertainty. However, it has been shown that for some cases the existing standards can be adjusted to compensate for situations where the test method uncertainty is not negligible.

This paper provides guidance as to how this extension can be achieved.

Pages: 6 - Price: 6,00 Euro - Date: 2008

Bulletin of the IDF No. 426/2008 - Milking Management of Dairy Buffaloes

In recent years, buffaloes have been supplying about 12% of the world milk production.

Buffalo milk and milk products, especially mozzarella cheese, have become immensely popular. In order to meet the increasing demand for high quality buffalo milk, understanding of the basic principles of milking management is very important.

In this issue, you will find some of the underlying principles for milking management and machine milking of buffaloes. It provides insight and assistance in the transition from hand to machine milking as well as a better understanding of the interaction between the animal, the milker and the machine.

Pages: 104 - Price: 99,00 Euro - Date: 2008

Bulletin of the IDF No. 427/2008 - Towards a reference system for somatic cell counting in milk

This issue contains the Interlaboratory collaborative study on the reference method for Somatic Cell Counting in Cows Milk, and a discussion paper describing the framework in which reference systems could be established.

Somatic cell count is a main indicator of udder health in lactating animals. The study has established the precision (repeatability, r , and reproducibility, R) of the reference methods.

The discussion paper highlights the need for comparable and equivalent data worldwide or sophisticated calibration schemes, and sets the scene for further discussion about the internationally accepted validity of analytical results. It also shows how IDF contributes continuously to overall understanding and confidence in the dairy sector

Pages: 21 - Price: 20,00 Euro - Date: 2008

Joint IDF-ISO Standards

IDF/RM 025 - ISO/TS 17837 (2008) - Milk and milk products - Determination of nitrogen content and crude protein calculation - Kjeldahl method

This standard specifies a method for the determination of the nitrogen content and crude protein content by calculation in milk and milk products by using the Kjeldahl principle, both traditional and block digestion methods.

The methods specified are applicable to whole and skimmed liquid bovine, caprine, and ovine milk, and hard, semi-hard and processed cheese.

Available only in English

Pages: 13 - Price: 51,66 Euro - Date: 2008

Contact: [Oscar Chavez](#), IDF Office Manager



International Dairy Federation

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The International Dairy Federation is the pre-eminent source of scientific and technical expertise for all stakeholders in the dairy chain. Membership covers 53 countries and is growing; IDF accounts for about 82% of the world's total milk production. IDF aims to identify and disseminate best practice at the international level, in order to guide and harmonise members' work on issues including climate change, nutrition and food hygiene at the national level.

The scientific expertise for the dairy sector worldwide