CONFERENCE PROGRAM

Updated: 10 August 2007

DAY ONE - Tuesday 18th September 2007

4.00pm-7.30pm	**Registration Desk Opens**
6.00pm-6.45m	**INVITED KEYNOTE SPEAKER Opening Address: The challenge for pasture based dairying: learning from the unrecognised systems experts, good farmers** Professor Colin Holmes, Massey University, New Zealand
6.45pm-8.00pm	**WELCOME RECEPTION - *Sponsored by Dairy Australia and Dairy Insight***
8.00pm	**DAY CLOSE**

DAY TWO - Wednesday 19th September 2007

7.30am-5.00pm	**REGISTRATON DESK OPEN**
8.30am-8.40am	**Official Opening and Welcome** John Drinan, Chair, National Dairy Alliance, Australia
	SESSION 1: FEED CONVERSION EFFICIENCY Session Convenor: Jock MacMillian
8.40am-9.20am	**Definitions and concepts of FCE and prospects for manipulation** Eric Kolver, Synlait, New Zealand
9.20am-9.40am	**Breeding for feed conversion efficiency in New Zealand dairy cattle: current achievements and future opportunities** Jenny Pryce, B.L. Harris, W.A. Montgomerie, Livestock Improvement Corporation (LIC), New Zealand; S.R. Davis, Vialactia Biosciences, New Zealand
9.40am-10.00am	**Milk production efficiency of varying dairy cow genotypes under grazing conditions** Frank Buckley, Brendan Horan, Pat Dillon, Moorepark Research Centre, Ireland , Moorepark Research Centre, Ireland; N. Lopez-Villalobos, Massey University, New Zealand
10.00am-10.20am	**MORNING TEA - *Sponsored by Livestock Improvement Corporation***
	SESSION 1: FEED CONVERSION EFFICIENCY, continued…. Session Convenor: Jock MacMillian
10.20am-10.40am	**A review of the effects of dairy breed on feed conversion efficiency** Chris Grainger, Mike Goddard, DPI Victoria, Australia
10.40am-11.00am	**Neuroendocrine controllers of intake in dairy cows** John Roche, D.R. Miller, The University of Tasmania, Australia; D Blache, University of WA, Australia; A.J Sheahan; Dexcel Ltd, New Zealand, D.W. Miller, Murdoch University, Australia
11.00am-11.20am	**Feed efficiency in cattle – the contribution of rumen function** Gary Waghorn, Dexcel Ltd; New Zealand, Richard Dewhurst, Lincoln University, New Zealand
11.20am-11.40pm	**Offered Paper Thumbnails**
	Milk production and feeding behaviour of grazing and indoor pasture-fed dairy cows Penny Back, Dexcel Ltd., New Zealand
	Feed conversion efficiency and genotype by environment interaction: matching a cow with high feed conversion efficiency to a low input, pasture-based environment Cameron Clark, Dexcel Ltd., New Zealand
	Cow diets and management impact nutrient losses from dairy farms in US Mark Powell, USDA-ARS, US Dairy Forage Research Center, Madison, Wisconsin, USA
	Associations between body size, body condition score and milk production in pasture-fed holstein cows Tracey Stirling, The University of Melbourne, Australia
11.40am-12.30pm	**Panel / Open Discussion**
12.20pm-1.00pm	**LUNCH - *Sponsored by Grasslanz***

	SESSION 2: BIOTECHNOLOGY FOR DAIRY SYSTEMS Session Convenor: David Nation
1.00pm-1.45pm	**Cow genetics for temperate grazing systems** Pat Dillon, Moorepark Research Centre, Ireland; Kevin MacDonald, Dexcel Ltd., New Zealand; Colin Holmes, Massey University, New Zealand; *et al.*
1.45pm-2.05pm	**Genomic selection for accelerated gain in dairy cattle.** Ben Hayes, Mike Goddard, DPI Victoria, Australia
2.05pm-2.25pm	**Plant genetics for temperate grazing systems** Kevin Smith, Joe Jacobs, DPI Victoria, Australia
2.25pm-2.45pm	**Forage biotechnologies for profitable and productive dairying** Brent Barrett, Warren Williams, Igor Kardailsky, Syd Easton, Chris Jones AgResearch, New Zealand; Zac Henley, ViaLactia Biosciences, New Zealand
2.45pm-3.00pm	**Offered Paper Thumbnails**
	Use of genetic merit to improve productivity in the Australian dairy industry, and role of genetic markers into the future Ray Johnson, Genetics Australia, Australia
	Using plant genome sequencing techniques to identify quantitative trait loci affecting plant parameters involved in the efficient and sustainable utilisation of forage maize in pasture based systems of milk production Jean Margerison, IFNHH, Massey University, New Zealand
	Analysis of genes involved in hemicellulose degradation by clostridium proteoclasticum B316T William Kelly, AgResearch, New Zealand
3.00pm-3.30pm	**Panel / Open Discussion**
3.30pm-3.50pm	**AFTERNOON TEA - *Sponsored by Genetics Australia***
	SESSION 3: FORAGE PRODUCTION AND ANIMAL RESPONSE Session Convenor: David Chapman
3.50pm-5.00pm	**Offered Paper Thumbnails**
	Forage production and nitrogen uptake of kale Andrew Fletcher, Crop & Food Research, New Zealand
	Geographical and seasonal variation in potential forage production in New Zealand Hamish Brown, Crop & Food Research, New Zealand
	Effects of water soluble carbohydrate in forage on aspects of nitrogen partitioning in cows Gerald Cosgove, AgResearch, New Zealand
	Modelling composition targets for high-energy dairy pasture Richard Dewhurst, Lincoln University, New Zealand
	Relationships between chemical composition and rumen acidogenicity of dairy pasture Richard Dewhurst, Lincoln University, New Zealand
	Effect of replacing wheat grain with palm kernel expeller on milk production of late lactation dairy cows offered canola or pasture hay Stephanie Muir, The University of Melbourne, Australia
	The consequences of offering diets high in rumen undegradable protein during the dry period on immunoglobulin G concentrations in serum of neonates, mature dairy cows, and colostrum. Ian Bland, The University of Melbourne, Australia
	Managing maize precisely: testing a decision support tool for managing crops for silage production Frank Li, Crop & Food Research, New Zealand
	Nitrogen efficiency of annual pastures in Western Australia: Preliminary reseults from the Greener Pastures project John Lucey, Department of Agriculture and Food, Bunbury, Western Australia
	Effect of selenium level and source in dairy cattle diets on selenium content of milk and milk products Jean Margerison, IFNHH, Massey University, New Zealand
	Effect of yeast in mixed grass, forage maize and whole crop silage diets on locomotion score, lameness and sole brusing in first lactation Holstein Friesian dairy cattle Jean Margerison, IFNHH, Massey University, New Zealand
	An empirical model to estimate efficiency of nitrogen utilisation in cows grazing fresh forages David Pacheco, AgResearch, New Zealand

	Comparison of models for estimation of urinary nitrogen excretion from dairy cows fed fresh forages David Pacheco, AgResearch, New Zealand
	Predictive characteristics of lactation models for pasture-based Holstein Friesian dairy cows Samuel Adediran, The University of Tasmania, Australia
	Pasture consumption rates in different dairy production systems in southwest Victoria, Australia Jay Tharmaraj, The University of Melbourne, Australia
	Effect of second pond dairy effluent applications on pasture productivity, herbage nutritive value and mineral content Graeme Ward, DPI Victoria, Australia
5.00pm	**DAY CLOSE**
7.00pm-11.00pm	**CONFERENCE DINNER - Ormond College - *Sponsored by Dairy Australia and Dairy Insight***

DAY THREE - Thursday 20th September 2007

8.00am-12.00pm	**REGISTRATON DESK OPENS**
	SESSION 3: FORAGE PRODUCTION AND ANIMAL RESPONSE, continued.... Session Convenor: David Chapman
8.30am-9.10am	**Complementary forage rotation systems: a review of recent developments** Yani Garcia, The University of Sydney, Australia; Joe Jacobs, DPI Victoria, Australia; Sharon Woodward, Dave Clark, Dexcel Ltd, New Zealand
9.10am-9.30am	**Water use efficiency, productivity and profitability—how do forages compare?** James Neal, The University of Sydney, Australia; Kerry Greenwood, DPI Victoria, Australia; John de Ruiter, Dick Martin, Crop and Food Research, New Zealand
9.30am-9.50am	**What is limiting production and consumption of perennial ryegrass in temperate dairy regions of Australia and New Zealand?** Richard Rawnsley, Danny Donaghy, TIAR, Australia; David Stevens, AgResearch, New Zealand
9.50am-10.10am	**MORNING TEA - *Sponsored by Cropmark Seeds***
	SESSION 3: FORAGE PRODUCTION AND ANIMAL RESPONSE, continued…. Session Convenor: David Chapman
10.10am-10.50am	**Integration of complementary forages into pasture-based systems: animal response** Julian Hill, The University of Melbourne, Australia
10.50am-11.10am	**Endophyte technology for dairy pastures** Syd Easton, David Hume, Alison Popay, AgResearch, New Zealand; Errol Thom, Stephanie Bluett, Dexcel Ltd., New Zealand
11.10am-11.30am	**High sugar ryegrasses for dairy systems** Grant Edwards, Lincoln University, New Zealand; Tony Parsons, Susan Rasmussen, AgResearch, New Zealand
11.30am-12.00pm	**Panel / Open Discussion**
12.00pm-12.40pm	**LUNCH - *Sponsored by Fonterra***
	SESSION 4: DAIRY PRODUCTION SYSTEMS Session Convenor: Dave Clark
12.40pm-1.20pm	**Describing the New Zealand and Australian dairy systems: points of overlap and difference and challenges** Bruce Thorrold, Dexcel Ltd, New Zealand; Peter Doyle, DPI Victoria, Australia
1.20pm-1.40pm	**Risk and uncertainty in dairy production systems: Research concepts, tools and prospects** David Chapman, Bill Malcolm, Brendan Cullen, The University of Melbourne, Australia; Mark Neal, The University of Sydney, Australia
1.40pm-2.00pm	**Future Systems Innovations** Jenny Jago, Roger Jensen, Dexcel, New Zealand; Kendra Davis, The University of Sydney, Australia
2.00pm-2.20pm	**Aligning scientific knowledge with farmer learning preferences to create on-farm innovation** Mark Paine, The University of Melbourne, Australia; Dave Miller, Dexcel Ltd., New Zealand
2.20pm-2.40pm	**Industry adaption: challenges when building resilient farming systems** Anne Crawford, The University of Melbourne, Australia; Warren Mason, RPC Solutions, Australia
2.40pm-3.00pm	**AFTERNOON TEA - *Sponsored by Gardiner Foundation***
	SESSION 4: DAIRY PRODUCTION SYSTEMS, continued… Session Convenor: Dave Clark

3.00pm-4.00pm	**Offered Paper Thumbnails**
	Environmental sensitivity differences between dairy cattle breeds in New Zealand Jeremy Bryant, AgResearch, New Zealand
	Effects of complementary forages on productivity and profit of dairy systems in southwest Victoria, Australia David Chapman, The University of Melbourne, Australia
	Dairy farmer adoption of science demonstrated by a commercially focused demonstration farm Adrian Van Bysterveldt, Dexcel Ltd, New Zealand
	Strategies for increasing resilience of grazing-based dairy systems Brendan Cullen, The University of Melbourne, Australia
	Once-a-day milking – A 'fringe movement' or a 'saviour' for pasture-based dairy farming? Dawn Dalley, Dexcel Ltd., New Zealand
	Management decisions required for high production and profit from different strains of Holstein-Friesian dairy cows in pasture-based systems Chris Glassey, Dexcel Ltd., New Zealand
	Revising the paradigm for improved nutrient management on Australian dairy farms. Cameron Gourley, DPI Victoria, Australia
	A climate change: adapting systems to manage uncertainty Sean Kenny, The University of Sydney, Australia
	Pasture based precision dairying – improving performance Hayden Lawrence, Massey University, New Zealand
	Extending lactations to 670 days in pasture-based dairying systems Claire Phyn, Dexcel Ltd., New Zealand
	Implications of nutrient management data collected on dairy farms in Wisconsin, USA Mark Powell, USDA-ARS, US Dairy Forage Research Center, Madison, Wisconsin,USA
	Reducing nitrogen leaching in a pastoral dairy farm by replacing nitrogen fertiliser with maize silage Alvaro Romera, Dexcel Ltd., New Zealand
	Developing tools for managing climate risk in the subtropical dairy region Katrina Sinclair, NSW Department of Primary Industries, Australia
	Management strategies for coping with cold and wet weather on pasture-based dairy farms: productivity consequences of reduced cow comfort Jim Webster, AgResearch, New Zealand
4.00pm-4.30pm	**Panel / Open Discussion**
4.30pm-5.00pm	**INVITED KEYNOTE SPEAKER** **Conference review: The changing face of research** Professor Jock Macmillan, The University of Melbourne, Australia
5.00pm	**CONFERENCE CLOSE**