

In support of SA dairy farmers and their recent challenges, conference registration for SA dairy farmers will be **subsidised**. See back page for details.



DairySA Innovation Day 2017

Re-imagining Dairy: Big Data Revolution

Thursday 8 June • From 9.30 am • The Barn, Mount Gambier

The digital revolution is changing the way dairy farmers operate in Australia and across the world. Discover how 'big-data', technology advancements in animal genomics and innovative robotics are challenging the status quo of the traditional dairy farm, with insights by leading Australian and international speakers.

With thanks and appreciation to our valued sponsors

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Book your tickets online! <https://dairysainnovationday2017.eventbrite.com.au>

DairySA Innovation Day 2017

Program

The morning

Registrations and morning tea from 9.30am

Start the conference on a light note with your morning cuppa, catch up with dairy friends and suppliers and check out the trade displays.

DairySA update: DairySA delivers farmer-driven projects across SA covering many aspects of dairy farm business operation and industry development. Chairperson **Michael Connor** provides an update on the latest activities and plans for the year ahead.

Dairy Australia update: What are the current challenges facing Dairy Australia? What are the recent successes? **Ian Halliday**, Managing Director, will provide an insight into Dairy Australia's focus and what's happening in dairy both nationally and internationally.

Big Data Revolution: Precision Ag Technologies

– *Jeffrey Bewley, University of Kentucky*
Across the world, the 'big data revolution' is challenging the status quo of the traditional dairy farm, including how cows are milked and managed. But what is it, how does it help and at what cost? Jeffrey Bewley will look at the latest developments in precision agriculture technology and its impact on farm decision making. Jeffrey's insights and experience using these technologies – including measuring physiological, behavioral, and production indicators on individual animals – will leave you challenged and inspired.

DataGene

– *Matthew Shaffer, CEO DataGene*
How do you make your herd improvement decisions? Herd improvement decisions are getting easier and becoming an integral part of farm decision making. DataGene's Matthew Shaffer will provide an update on the revolution of dairy herd improvement in Australia and what is so cool about DataGene.

The afternoon

The afternoon comprises our proven formula of concurrent sessions where you will be able to attend two of the four available sessions.

Dairy farming in the 21st century: Opportunities and challenges with robotic milking

– *Nico Lyons, DPI NSW*

How does milking with robots impact farm productivity, profitability or sustainability in today's environment? Nico Lyons will share the latest insights learned from AMS technology on farm and how dairy businesses can benefit from AMS on farm.

Virtual Herding Project

– *Dr Sabrina Lomax, Research Fellow, University of Sydney*
Imagine a world where traditional fence lines are replaced by 'virtual' ones. And farmers receive 'animal location updates' via their smartphones. Dr Sabrina Lomax looks at the processes and practicalities of cutting edge GPS technology and how it's set to change the face of the dairy industry. Prepare to be amazed.

Spatial variability: Mapping nutrients in pastures

– *Dr Sharon Aarons, Senior Research Scientist, Ellinbank*
Hear the insights behind Dr Aarons' innovative research on nutrient composition in soils and pasture, the technology that makes this possible and how it can benefit your farm business. 'Spatial variability' measures the differences in soil properties across a range of locations – from an entire region to within a single paddock. Once mapped, it can impact the management of soils, pasture production, fertiliser requirements and the environment. Can we blame the cows until they come home on this one?

Have your say on the SA Dairy Industry Fund

– *Dennis Mutton, Chair SADIF*

Do you have ideas for projects or innovations that will build the capability, profitability and competitiveness of the SA dairy industry? The SA Dairy Industry Fund was established as part of the SADA Fresh label to return investment back into SA dairy industry projects from sales of SADA Fresh milk. This workshop is your opportunity to have your say on future projects and investments.

To end proceedings

TAFE SA Presentations

The future of SA's dairy industry is in safe hands - the latest graduates of the TAFE SA dairy courses will be presented with their certificates celebrating their learning, development and involvement in SA's dairy industry.

Summarising data

Jeffrey Bewley will return to the stage to run through the technologies that help monitor cows, that have great potential to support your own decisions and worker's observations on farm. But is the cost of all this technology worth it? Jeff challenges us and provides an argument to support precision ag. Today's closing session will give us a chance to reflect on the potential outcomes of the big data revolution in technology.

Finish off the day

Join the DairySA Board and team, speakers and sponsors at the Top Paddock to review the day's topics and enjoy the company of other delegates over nibbles and drinks.

In the evening

The DairySA Innovation Day Dinner provides an ideal opportunity to catch up with friends, farmers and the broader industry network and ensures you get the full benefit of the event. Additional dinner tickets are available for partners, family, friends, employees and other community members to attend.

NOTE: Topics and speakers are subject to change prior to the day

Featured speakers

Jeffrey Bewley, University of Kentucky, US

An Associate Extension Professor in Dairy Systems Management at the University of Kentucky, Jeffrey's primary interests in the dairy industry are wide-ranging. They include the application of precision dairy farming technologies, economics of decisions on dairy farms, milk quality management, dairy cow comfort and wellbeing, records management and benchmarking, systems troubleshooting, and strategic dairy business management.

Dr Matthew Shaffer, CEO DataGene

Currently the Program Manager for Genetics and Data Management with Dairy Australia, Matthew was CEO of Holstein Australia for over seven years, was significantly involved with the Australian herd improvement industry and understands the importance of giving farmers tools to make better herd management decisions. Matthew was elected President of the World Holstein Friesian Federation in 2012.

Nicolas Lyons, DPI NSW, National Development Officer Robotic Milking Systems

Originally from Argentina, Nicolas holds a degree in Agricultural Engineering and a PhD in Veterinary Science, with a strong focus on dairy production. Nicolas is currently the National Development Officer with Robotic Milking Systems – his key role is to support the profitable and sustainable integration of technology and robotic systems into dairying by connecting the whole industry, from farmer to service provider.

Dr Sabrina Lomax, Research Fellow, University of Sydney

Sabrina's family agricultural background led to her interest in animal health and production, a PhD and post-doctoral research focused on improving the welfare of extensively farmed livestock. Sabrina has recently joined the Dairy Science Group, as a research fellow focusing on the Rural R&D for Profit project 'Enhancing the profitability and productivity of livestock farming through virtual herding technology'.

Dr Sharon Aarons, Senior Research Scientist, Ellinbank

Dr. Aarons has over twenty years of experience investigating nutrient cycling and management in the dairy industry. Over that time she has worked to understand nutrient flows from soil to pasture and through grazing cows, including the direct return of nutrients to paddocks and the impact on soil properties.

Important information

Venue

The Barn, a renowned conference venue, is located on Nelson Road 9km from Mount Gambier's CBD.

Accommodation

Please contact The Barn 08 8726 9999 or www.barn.com.au There is limited accommodation at the venue. For other accommodation options contact the Lady Nelson Visitor & Discovery Centre on 1800 087 187.

Central Region transport

If there is enough interest a bus will be organised to transport people from the Central SA Region. Please contact Bec Hehir, 0418 951 324, before 20 May 2017 to register your interest.

For more event information

General enquiries

Bec Hehir

M: 0418 951 324

E: rebecca@dairysa.com.au

Sponsorship and venue enquiries

Kylie Boston

T: 0407 231 547

E: kylie@dairysa.com.au

Registration and dinner tickets

The day conference cost is subsidised by DairySA and there is no cost to SA dairy farmers and dairy farm employees. You still need to register!

There are two ways to register:

1. Register and pay online by visiting the event webpage <https://dairysainnovationday2017.eventbrite.com.au>
Registering online is easy and offers three ways to pay: credit card, cheque or EFT.
2. Fill out the registration below and return with details of your EFT payment or cheque.

Registration form: DairySA Innovation Day, 8 June 2017

Registration	Number	Price	Total
Farmer delegates			
Conference		Subsidised	\$0
Dinner: 2 course meal and includes Top Paddock pre-dinner graze. Drinks at own cost.		\$45	
Non-farmer delegates			
Conference		\$75	
Dinner: 2 course meal and includes Top Paddock pre-dinner graze. Drinks at own cost.		\$55	
Total payable			

I would like to join the bus! If there is enough interest a bus will be organised to transport people from the Central Region. Please contact DairySA's Bec Hehir, 0418 951 324, before 20 May to register your interest.

Please complete registrations by Wednesday 31 May 2017 to assist with catering arrangements.

Please provide your details:

Name: _____

Phone: _____ Mobile: _____ Email: _____

I am registering for:

Name	Dietary requirements	Day	Dinner

Method of Payment: Credit card EFT Cheque (please make cheques out to "DairySA")

To pay by credit card, follow this link: <https://dairysainnovationday2017.eventbrite.com.au>

EFT BSB: 015 010 Account no: 1016 954 89 Reference: Surname and your first initial (e.g. InghamV)

If paying by EFT or cheque, please return your registration form to:

Post: DairySA, PO Box 197 Lucindale SA 5272

Email: vanessa@dairysa.com.au

Fax: (08) 8312 2043

As numbers for the event are limited, it is essential that payment is received at the time of registration. Places will be allocated in order of payment receipt. Places will be allocated in order of payment receipt.

Register and pay online at <https://dairysainnovationday2017.eventbrite.com.au>