

HOME-GROWN FEED: BASE OF THE DAIRY BUSINESS

10-11 July, Bega NSW

THE DAIRY RESEARCH FOUNDATION'S **2019 Symposium**



Venue

**Bega Valley Commemorative Civic Centre
Bega NSW**

Wednesday 10 July

**NSW Dairy Industry Forum
Symposium
Symposium Dinner**

Thursday 11 July

**Farm Day
Emerging Scientists Program**

www.drfsymposium.com.au

**INCORPORATING INDUSTRY
FORUM WITH
DAIRY CONNECT,
NSW FARMERS (Dairy
Committee) and DAIRY NSW**



**EARLY BIRD PRICES AVAILABLE
UNTIL 21st JUNE**

Home-Grown FEED: BASE of the dairy business



Welcome to the 2019 Dairy Research Foundation Symposium

This year we focus on Feedbase and Home-Grown Feed, as the basis of profitable dairy systems in any type of production system.

The annual Symposium is the Dairy Research Foundation's signature event, and is the largest Dairy event in NSW, widely recognised throughout the Australian dairy industry as a showcase of science into practice.

We are delighted to head south this year and hold our Symposium in Bega, among beautiful pasture-based dairy farms in the stunning Bega Valley!

With feed accounting for over 50% of production cost in any production system, an efficient home-grown feedbase can have a massive impact on the bottom line of individual farms; but achieving that is not an easy task. It is not just about the forages, but also the water and nutrients to grow them and their conversion into milk. How can we unlock the true feedbase potential of pasture and intensive dairy systems? This year's symposium in the Bega Valley will provide some answers to this question!

Our guest speakers come from opposite sides of the world and production systems. Dr David Chapman from DairyNZ is a true world expert in feedbase research. Dr Edwin Kreykes is a renowned veterinarian consultant in Iowa, specialising in milking management for top milk quality. These international speakers will be joined by Australian professionals and top dairy farmers from a range of production systems including pasture-based from Bega Valley and Victoria and TMR from SA and NSW.

The Farm Day will be held at "Cedar Grove", Angledale, where Ken Kimber and his family will showcase their advanced farming practices, and consultants and researchers will lead interactive Q&A sessions on topics ranging from irrigation to nitrogen, to adoption of technologies and milking management! And the cream on top will be our famous Emerging Scientists competition, in which tomorrow's research leaders share their current research and you, the audience, select the winner!

The far South Coast and the Bega Valley offer innumerable attractions, so why not take a well-deserved break, come and join us at the 2019 DRF Symposium and perhaps even enjoy some additional time in this beautiful part of Australia.

I look forward to seeing you in Bega in July!

Professor Yani Garcia
Chair of the 2019 DRF Symposium
Organising Committee



The Dairy Research Foundation's 2019 Symposium



The Symposium at a glance

Wednesday 10 July

9.00am-5.30pm

NSW Dairy Industry Forum

Dairy Research Foundation Symposium

Venue: Bega Valley Commemorative Civic Centre, Bega NSW

7.00pm-10.30pm

Dairy Research Foundation Symposium Dinner

Venue: Bega Valley Commemorative Civic Centre, Bega NSW

Wednesday 11 July

7.00-8.15am

Women in Dairy Conference Breakfast

Venue: Bega Cheese Heritage Centre, 11-13 Lagoon St, Bega NSW

8.30am-1.30pm

Farm Day, incorporating the Emerging Scientists Program

Venue: Cedar Grove, 35 Ottonville Rd Angledale, NSW



Home-Grown FEED: BASE of the dairy business



Key Speakers

David Chapman

Dr David Chapman is a true world-expert in Feedbase research, pasture production and utilisation, grazing management, nutrient utilisation and the application of science into farm practice. With decades of research in both NZ and Australia, backed up by hundreds of scientific papers and many successful industry driven programs, David brings to our Symposium a unique range of expertise and the latest on research-driven innovation in pasture-based systems. Currently Principal Scientist in the DairyNZ Feed and Farm Systems research group, and with several decades of research experience at Grasslands and AgResearch in NZ and as Professor of Pastoral Science at the University of Melbourne, David is now leading large research programs that are addressing the big challenges that will shape the future of pasture-based livestock production in New Zealand.



Brodie and Kevin Game

Their partnership started in 2010 with the purchase of a single cow milker and their first two dairy cows from a farm in Bega. In 2012 they took on a share-farming opportunity and began milking on a 300 acre farm in the heart of Bega. In 2016 they moved to a new share farm opportunity, initially increasing their leased land size to 600 acre and purchasing some additional cows to add to their existing 250 milkers. Today Kevin and Brodie lease an 1100 acre farm with a herd of 300 cows, whilst running all of their own young and dry stock. The recent tough times have prompted a change in their business model and they are now focusing on a majority grass-based system with conserved feeds coming off the farm, with a mindset of looking at the margin over feed cost as their main goal.



Brad Fischer

Brad Fischer is a third-generation dairy farmer on Campbell House, Meningie, married to Karin with four children. Brad spent some time working in the dairy industry in Sweden and Canada, where he became interested in the use of barns. Today their dairy farm milks 600 cows through an automated 50 unit rotary. Cows are housed in a compost barn and milked 3 times per day. Water plays a major role in their business. An upgrade to the irrigation system was included in the construction of the barn and the system was designed to ensure that water is used as efficiently as possible.



The Dairy Research Foundation's 2019 Symposium



Key Speakers

Todd Whyman

Todd Whyman is one of the majority 4th -6th generation dairy farmers in the beautiful Bega Valley, working with his in-laws on the Kimber family farm. They operate a 1200 cow dairy using an 800 cow feed pad utilising a PMR system, and grow their own fodder, except concentrate feed. By applying a biological approach, they have reduced their reliance on chemical-based fertilisers and achieved a more sustainable and efficient use of liquid and composted effluent in large scale dairy. At the DRF 2019 Symposium Todd aims to share their journey in understanding and utilising their effluent system to increase profitability and soil health.



Yani Garcia

Professor Sergio Garcia (Yani) is an internationally recognised leader in the field of production systems, dairy production from pasture, forage utilisation and the integration of pasture and crops for dairying; and automation in dairying. From a family background of beef and cropping production in Argentina, he has developed his career around dairy production systems in New Zealand and Australia, leading large national projects like FutureDairy and the Dairy Research Foundation at Sydney University. Yani is passionate about the never-ending journey of production efficiency on farming systems and the application of technology and automation in progressive dairy farms.



Colin Thompson

Colin Thompson's career began on a family farm at Narooma on the far south coast of NSW. In 2000 the whole family relocated to Cowra, in the central west of NSW and for the next 19 years the family developed a 300 cow dairy negotiating their way through droughts, floods, low milk prices and a planning regulation minefield. Today they milk 320 Holstein cows in a modern dairy facility, with most of their herd housed in free-stall barns. They farm irrigated lucerne, corn and cereals, supplying all of their forage and some grain for the dairy and additionally growing commercial lucerne to supply a local chaff mill.



Home-Grown FEED: BASE of the dairy business



Key Speakers

Frank Tyndall

Frank Tyndall is a well known Dairy Farm Consultant in Gippsland, Victoria, with strong expertise in pastures, grazing, feeding dairy cows and farm business/financial management. He holds a bachelor's degree in Agricultural Science. He is a member of AG Institute Australia and the Australian Association of Agriculture Consultant and has led dairy discussion groups on grazing management in the UK on several occasions. Frank owned, worked and developed the family dairy farm at Waaia (8 years) and has over 20-year experience with Dairy Farm extension, development and delivery through the McMillan College at the University of Melbourne and the DPI.



Ashleigh Rood

"Never-thought-to-be-a-dairy-farmer" Ashleigh Rood is now the Chair of the Far South Coast Dairy Development Group, a key driver in their Women in Dairying group, and a very proud Dairy Farmer! She grew up in the seaside town of Kiama with no exposure to agriculture. From a career-start in childcare to owning and managing the dairy business Whitegold Holsteins and Jersey with her husband Michael on a leased farm, Ashleigh now proudly calls herself a passionate dairy farmer, advocating for the ever-evolving dairy industry. She is actively involved with industry initiatives, including the DairyPATH program run through Dairy Australia. Growing equity to one day purchase her own farm, Ashleigh is raising her two beautiful daughters to be strong, resilient and emphatic humans, whilst being a hands-on dairy farmer...and that is a juggling act!



Andrew D'Arcy

Andrew D'Arcy is a progressive fifth generation dairy farmer in the Bega Valley, NSW. With his family they milk 380 cows through six Lely robots in a partially irrigated grazing system with a feed pad. Andrew is passionate about improving dairy farmers' returns whilst trying to spend time with his wife and two children. A true pioneer in adoption of robotic milking systems, Andrew brings to the symposium years of experience in adoption and adaptation of technology and automation into dairy production.



Will Russell

Will Russell grew up in the Bega Valley on a family dairy farm 'Jelgowry' milking 300 mainly Illawarra cows. After being away from the farm to pursue an Engineering Degree and work within the Bega Cheese Packaging Plant, he is now in the process of relocating back to the farm. He is keen on adopting new technologies with the first already being Remote Soil Moisture Monitoring and the use of DairyBase Software. In the coming years he hopes to implement a form of Cow ID/Draft, Stage of Lactation Feeding and a Paddock Management Software.



The Dairy Research Foundation's 2019 Symposium



THE UNIVERSITY OF
SYDNEY

Key Speakers

Marguerite White

Marguerite White operates ICD Project Services, a consultancy that assists Australia's primary industries to deliver research to adoption sustainable agriculture programs, primarily in nutrient, soils and water best management practice. She is Science Coordinator for the national *More Profit from Nitrogen Program*, a \$15M multi-industry collaboration into improving nitrogen use efficiency; Soil Health Program Leader for Sugar Research Australia, and coordinator of Hunter LLS' *Hunter Smarter Farming: Irrigating for Profit* project. Her track records include key roles in Fert\$mart, DairySAT, NRM Focus Farm and NSW Innovation programs in NSW, and as Project Manager (NSW) of the national *Smarter Irrigation for Profit* project (2016-2018). Marguerite's cross-sector networks and experience in research to extension capability and delivering is highly valued by her clients.



David Rowlings

Dr Rowlings is a senior researcher at the Queensland University of Technology with over 12 years' experience in researching nitrogen and carbon cycling in subtropical and tropical agri-ecosystems. His research focusses on combining soil process level understanding with practical agronomic management options for the development of sustainable agricultural systems, with particular emphasis on productivity, N losses and fertiliser nitrogen use efficiency in pastures, horticulture and grain cropping systems. He has worked on major national research programs investigating the potential of enhanced efficiency fertilisers, nitrogen mineralisation, optimising the use of composts and manures and impact of irrigation scheduling on nutrient productivity and availability.



Pauline Brightling

Pauline Brightling leads the Harris Park Group, a consultancy firm which specialises in design, delivery and evaluation of R,D&E programs, primarily in the agricultural and community sectors. Pauline's work has focussed strongly on animal health and people on dairy farms. She has spent much of the last 20 years designing and leading dairy industry programs including *Countdown Downunder* and *The People in Dairy* and research projects exploring aspects of mastitis control, reproductive management and genetic responses to feeding. One of her recent projects has been researching if and how farmers are using cow management technologies on farms in NSW.



Edwin J Kreykes

Edwin J Kreykes DVM of GPS Dairy Consulting, LLC lives in Sanborn, Iowa, USA. Dr. Kreykes works with dairy herds in the upper Midwest United States providing services in the area of Milk Quality/Parlor management, Reproductive services, Bio-security, Nutrition, and Employee training. He enjoys teaching and has been a speaker at dairy conferences in the USA, Italy, China, and has worked with dairy producers in Slovakia, Serbia, Montenegro, and Australia. He lives with his wife, Sandra, and enjoys spending time with his 8 grandchildren playing sports, going fishing, camping, and travelling.



Home Grown FEED: BASE of the dairy business



PROGRAM

Wednesday 10 July – Industry and Symposium Day

Industry Forum

9.00am	Registration and Morning Tea	
9.45am	Welcome to DRF Symposium and the Industry Forum	Mayor Kristy McBain Bega Valley Shire Council Ashleigh Rood, Chair of the Far South Coast Dairy Development Group
10.00am	NSW Dairy Industry Forum - Future Thinking <i>Featuring keynote speakers from a variety of sectors of the agriculture industry including cross commodity, media and stakeholder groups</i>	Dairy NSW, Dairy Connect and NSW Farmers Dairy Committee
11.30am	Lunch	

Symposium

12.30pm	Symposium Program Opening	Michael Perich, DRF President David Nation, Dairy Australia
12.45-3.00pm	Session 1: Feed Base = System's Base	Cameron Clark (Chair) University of Sydney
12.45pm	Dairy Feedbase in the future environment: how is New Zealand research responding to the challenges?	David Chapman Dairy New Zealand
1.30pm	Managing Feedbase in Pasture-Based Systems	Brodie and Kevin Game Dairy farmers, Bega Valley, NSW
1.45pm	Managing Feedbase in TMR systems	Brad Fischer Dairy farmer, Meningie West, SA
2.00pm	Maximising home-grown feed through innovative nutrient and effluent management	Todd Whyman Dairy farmer, Angledale, NSW
2.15pm	Q & A	
2.30pm	Afternoon Tea	
3.00-5.30pm	Session 2: Home-grown feed: the base of the feed-base	Sabrina Lomax (Chair) University of Sydney
3.00pm	Intensification from HGF: where to next?	Yani Garcia University of Sydney, DRF
3.30pm	Managing HGF to achieve >40L/cow	Colin Thompson Dairy farmer, Cowra, NSW
4.00pm	The ABC of margin over feed costs	Frank Tyndall Dairy Farm Consultant, VIC
4.30pm	Bega Valley's young dairy farmers pushing innovation session	Ashleigh Rood Andrew D'Arcy Will Russell
5.15pm	Q & A	
5.30pm	Symposium Day Close	
7.00-10.00pm	Dairy Research Foundation Symposium Dinner Dairy Science Award and Introduction to our Emerging Scientists	Bega Valley Commemorative Civic Centre, Bega

The Dairy Research Foundation's 2019 Symposium



PROGRAM

Thursday 11 July – Farm Day and Emerging Scientists Program

Breakfast

7.00 – 8.15am	Women in Dairy Conference Breakfast Venue: Bega Cheese Heritage Centre 13-11 Lagoon Street, Bega Speaker: Jennie Keioskie, Rural Adversity Mental Health Program	Organised by the Far South Coast Dairy Development Group Free of charge. Bookings essential.
---------------	---	---

Farm Day

8.30am	Welcome and introduction to Cedar Grove	Todd Whyman
9.00am-12.30pm	Rotate through the following platforms with a break for morning tea PLATFORM 1: Water right, Nitrogen right <i>Emerging Scientists</i> Spatial, temporal and management drivers of nitrogen losses from pasture based dairy systems Microwave heat treatment of forage: an approach to improve dairy cattle feeding systems The dairy cows buffet: leaves, leaves and more leaves! How to boost intake in your grazing herd	Marguerite White, ICD Project Services, NSW David Rowlings, Institute for Future Environments QUT, Qld Daniele De Rosa, Queensland University of Technology Md Safiqur Rahaman Shishir, University of Melbourne Kieran Ison, University of Queensland
10.00am	Morning Tea and Networking PLATFORM 2: Technologies in NSW dairy farms: are we learning the lessons? <i>Emerging Scientists</i> Individual and herd learning of a virtual fence Driving profit in AMS Automatic lameness scoring with 3D sensors PLATFORM 3: Quality milking for quality milk <i>Emerging Scientists</i> Feedlot cattle: First at feed, first in gain Avoid summer calving to reduce heat stress Short-term live weight changes in cattle	Pauline Brightling, Harris Park Group, VIC Patricia Colusso, University of Sydney Juan Ignacio Gargiulo, University of Sydney John Gardenier, University of Sydney Edwin Kreykes, GPS Dairy Consulting, USA Md Ashraful Islam, University of Sydney Yi Jin, University of Melbourne Mardhati Mohammad, University of Sydney
12.30-1.30pm	Lunch, Emerging Scientists Prizes and Symposium Closing	

Home-Grown FEED: BASE of the dairy business



Emerging Scientists

The Dairy Research Foundation is pleased to showcase the talents of Australia's emerging dairy scientists at the 2019 event. Their presentations are key to our Farm Day program and they have all been paired with a senior consultant or scientist to create a highly interactive series of discussions.

The intent behind this encounter is to offer an opportunity for professional development for these emerging scientists. The program is in the form of a competition, where we ask you, the audience, to assess the quality, relevance and interest of each presentation – with the audience scores combined to determine a winner. This is announced at the conclusion of the Farm Day. We encourage your full participation to support our next generation of dairy scientists.

2018 Emerging Scientists



The Dairy Research Foundation's 2019 Symposium



Emerging Scientists 2019

Platform 1

Daniele De Rosa

Spatial, temporal and management drivers of nitrogen losses from pasture based dairy systems



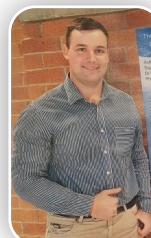
Md Safiqur Rahaman Shishir

Microwave heat treatment of forage: an approach to improve dairy cattle feeding systems



Kieran Ison

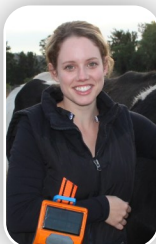
The dairy cows buffet: leaves, leaves and more leaves! How to boost intake in your grazing herd



Platform 2

Patricia Colusso

Individual and herd learning of a virtual fence



Juan Ignacio Gargiulo

Driving profit in AMS



John Gardenier

Automatic lameness scoring with 3D sensors



Platform 3

Md Ashraful Islam

Feedlot cattle: First at feed, first in gain



Yi Jin

Avoid summer calving to reduce heat stress



Mardhati Mohammad

Short-term live weight changes in cattle



The Dairy Research Foundation's 2019 Symposium



Organising Committee



April Browne
Dairy NSW



Cameron Clark
University of Sydney



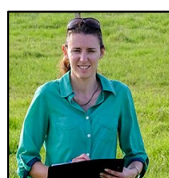
Greg Duncan
Dairy NSW



Yani Garcia
University of Sydney



Lynne Gardner
University of Sydney



Helen Golder
Scibus



Liselle Heap
University of Sydney



Sabrina Lomax
University of Sydney



Nico Lyons
NSW DPI



Michael Perich
DRF President



Andrew Taylor
Local Land Services



Elizabeth Warren
Dairy NSW



Todd Whyman
Cedar Grove



Tara Wolfson
EJM Events



Venues

Symposium Venue

**Bega Valley Commemorative
Civic Centre** Zingel Place, Bega NSW



Farm Day Venue

Cedar Grove

35 Ottonville Road (off Angledale Road)
Angledale, NSW

Dress Code

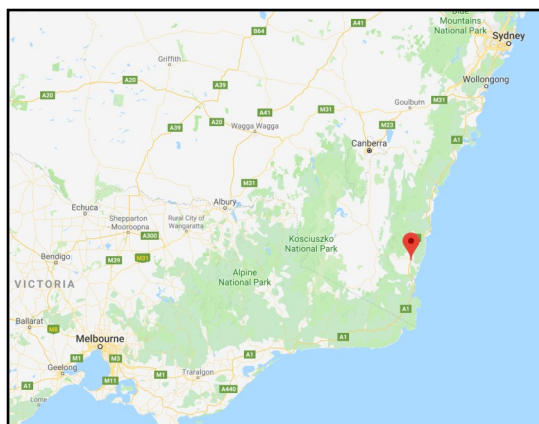
The Symposium is a casual affair however adequate footwear, warm clothing/wet weather protection for Farm Day is suggested. The Symposium Dinner on Tuesday evening is 'smart casual'.

Bega

Getting to Bega

Bega is situated in south eastern NSW, approximately 5.5 hours drive south of Sydney or just under 3 hours drive from Canberra.

Merimbula Airport is located around 35km south of Bega and offers daily flights from Sydney and Melbourne. It will take 30 minutes to drive to Bega by taxi or hire car, available at the airport (prior booking recommended). Limited bus services run to Bega.



Where to stay in Bega

Below are a few accommodation options that are offering special rates for our delegates and are situated in or nearby Bega. Please mention the DRF Symposium when enquiring by phone.

A full list of accommodation options are available at: www.sapphirecoast.com.au/sapphire-coast-accommodation

Bega Downs Motor Inn

8 High Street, Bega

T: +61 2 6492 2944

E: bookings@begadownsmotorinn.com.au

www.begadownsmotorinn.com.au

Bega Motel

191 Newtown Road, Bega

T: +61 2 6492 1944

E: bookings@begamotel.com

www.begamotel.com

Southtown Motor Inn

250-252 Newtown Road, Bega

T: +61 2 6492 2177

www.begasouthtownmotorinn.com.au

The Dairy Research Foundation's 2019 Symposium



Conference Pricing

We are pleased to offer an early bird discount to those booking and paying by Friday 21 June 2019.

We are also pleased to offer significant discounts to farmers and students attending.

Early bird prices - Payment by 21 June 2019

Farmers/Students - NSW Dairy Industry Forum and Symposium Day, Farm Day and Dinner	\$440.00
Service providers - NSW Dairy Industry Forum and Symposium Day, Farm Day and Dinner	\$580.00
Single day ticket (NSW Dairy Industry Forum and Symposium Day OR Farm Day - not including dinner)	\$290.00

Not so early bird prices - Payment after 21 June 2019

Farmers/Students - NSW Dairy Industry Forum and Symposium Day, Farm Day and Dinner	\$560.00
Service providers - NSW Dairy Industry Forum and Symposium Day, Farm Day and Dinner	\$700.00
Single day ticket (NSW Dairy Industry Forum and Symposium Day OR Farm Day - not including dinner)	\$340.00

Symposium Dinner

7.00pm Wednesday 10 July 2019	\$130.00
-------------------------------	----------

To secure your early bird pricing, payment must be received by the **21 June 2019** cut-off.

How can I register?

To register to attend the DRF Symposium, there are a range of choices.

1. Go to www.drfsymposium.com.au and click on the registration button and complete your details and payment electronically
2. Complete the form on the following page and submit by post or fax (see details on page 16) to Tara Wolfson
3. Complete the form, scan and email it to Tara Wolfson at tara@ejmevents.com.au

Home-Grown FEED: BASE of the dairy business



Registration Form

Trading Organisation for tax receipts _____

Contact Name _____ Phone _____

Address _____ Suburb _____

P/Code _____ State _____ Country _____

Email _____

Delegate Name *	Company *	Email Address

* This information will be used to create name tags for the event.

EVENT REGISTRATION	No.	Early Bird	From 22 June	Subtotal
Full package Dairy farmers/Students <i>Includes NSW Dairy Industry Forum and Symposium Day, Symposium Dinner and Farm Day</i>		\$440.00	\$560.00	
Full package Service Providers <i>Includes NSW Dairy Industry Forum and Symposium Day, Symposium Dinner and Farm Day</i>		\$580.00	\$700.00	

INDIVIDUAL EVENT REGISTRATION (including Industry Day events)			
NSW Dairy Industry Forum ONLY (does not include Symposium)		N/A	N/A
Single Day ticket		\$290.00	\$340.00
Symposium Dinner Only (Wednesday 10 July)		\$130.00	\$130.00
Women in Dairy Conference Breakfast (Thursday 11 July)	To register for the breakfast, please go to https://bit.ly/2JVKnby		
Note. All printed costs are Inclusive of GST			TOTAL PAYMENT DUE

SPECIAL DIETARY REQUIREMENTS Please indicate below if you have any special dietary needs you'd like us to take care of.

The Dairy Research Foundation's 2019 Symposium



TOTAL PAYMENT ENCLOSED

Indicate your form of payment.

☐ Credit Card

☐ Cheque

All Cheques are to be made payable to 'University of Sydney'

Credit Card No. _____ CVV _____

Name on Card _____ Expiry _____ / _____

Signature _____

Card Type ☐ Visa ☐ MasterCard

LODGING YOUR REGISTRATION FORM

Your registration form needs to be returned to
Conference Managers, EJM Events

By Fax to **+61 2 8072 1871**

By Post to **PO Box 1053, Ryde NSW 1680**

By Email to tara@ejmevents.com.au

General Enquiries

Ph. Tara Wolfson at EJM Events on **+612 8089 1388**

Please Note. A confirmation email and Tax Invoice will be issued on receipt of your registration and payment.



[www.facebook.com/
dairyresearchfoundation](https://www.facebook.com/dairyresearchfoundation)

TERMS & CONDITIONS

CANCELLATION POLICY

A full conference refund, less a \$50 cancellation fee, will be made on any cancellations received by 14 June 2019. After this date we regretfully cannot refund your fee. Any refunds owing will be not be paid until the conclusion of the conference. Substitution of delegates is however permitted.

EVENT CANCELLATION

In the unlikely event that the Symposium is cancelled, all refunds of ticket sales will be processed within thirty (30) days of cancellation.

DISCLAIMER

Every effort is made to ensure that the details provided for the Dairy Research Foundation's Symposium are correct. The organisers retain the right to make changes where necessary. Neither the Dairy Research Foundation nor EJM Events, will accept liability for any damages of any nature sustained by participants or their accompanying persons or loss or damage to their personal property for the duration of the Symposium or after the event.

CONDITION OF ENTRY

A condition of entry to the Dairy Research Foundation Symposium is that delegates must not interrupt the intent of the program in any manner that is considered to cause disturbance or discomfort to the presenters or fellow delegates. Any delegate causing such disturbance or discomfort or displaying unruly behaviour will be removed.

Only pamphlets approved by the event organisers are permitted to be distributed. By attending the DRF Symposium, you understand that you may be photographed and you hereby give the Dairy Research Foundation and EJM Events the unqualified right to take pictures of you and grant the perpetual right to use your likeness, image, photo, without compensation for marketing purposes. Dairy Research Foundation and EJM Events shall not be obligated to use, and may elect not to use, your image.

The Dairy Research Foundation's 2019
Symposium is proudly supported by



Platinum Sponsor

