

ADSS 2018 Symposium Program

Day 1: Wednesday 21 November 2018

TIME	SESSION TITLE	SESSION SPEAKERS
9:00	Registration and arrival - tea & coffee	
9:40	Mihi whakatau	Pa Manu Kawana
9:55	Address from Massey University Vice-Chancellor	Jan Thomas
10:05	Welcome from Committee Chairs	Danny Donaghy and David Pacheco
Session 1: Setting the scene - Dairying in 2030		
10:15	Invited Keynote Presentation 1: Identifying the challenges for dairy farming in the next 10+ years	Dr John Penno , ex-CEO, Synlait
11:00	Invited Keynote Presentation 2 : Defining the key attributes of resilience in dairy systems	Dr Brendan Horan , Teagasc Ireland Dr Dave Barber , Agri-Science Queensland
11:40	Open discussion & question and answer session featuring previous speakers in a panel	
11:55	Lunch then Mini-oral presentations	
Session 2: More productive, resilient and sustainable forage-based systems		
13:40	Invited Keynote Presentation 3: Manipulating the microbiome in forage science to address challenges facing Australasian dairy farming	Dr Nigel Bell , AgResearch
14:20	Milk production from cows fed plantain-based pastures	S Navarrete, P Kemp, M Hedley, D Horne, J Hanley
14:30	The effect of perennial ryegrass ploidy and white clover inclusion on milk production of dairy cows	B McClearn, T Gilliland, C Guy, F Coughlan, M Dineen, B McCarthy
14:40	Factors associated with profitability in pasture-based systems of milk production	L Shalloo, L Hanrahan
14:50	Association among pasture-level variables and dairy cow responses to supplements	C Poole, D Donaghy, R White, J Roche
15:00	Incorporating data into grazing management decisions: supporting farmer learning	L Turner, L Irvine, S Kilpatrick
15:10	Afternoon tea	
15:40	Invited Keynote Presentation 4: The role of forage management in addressing challenges facing Australasian dairy farming	Dr Lydia Cranston , Massey University Dr Keith Pembleton , University of Southern Queensland
16:20	White clover incorporation at high nitrogen levels: results from a 3 year study	C Guy, D Hennessy, T Gilliland, F Coughlin, B McClearn, M Dineen, B McCarthy
16:30	Nutritive characteristics of perennial ryegrass cultivars - have they changed over time?	A Lawson, K Giri, M Rogers, S Muir, K Kelly, K Rentsch, S Chandra, J Jacobs
16:40	Pasture measurement data improves timeliness and confidence in grazing management decisions	L Irvine, L Turner
16:50	Genetic gain in dry matter production of perennial ryegrass cultivars at two sites in Victoria	A Lawson, K Giri, M Rogers, S Muir, K Kelly, K Rentsch, S Chandra, J Jacobs
17:00	Establishing plantain in spring in existing perennial ryegrass pastures in northern Tasmania	P Raedts, A Langworthy
17:10	Open discussion & question and answer session	
17:25	Day 1 concludes	
Welcome Function		
17:30	Te Manawa – 326 Main St, Palmerston North – Museum and home of the New Zealand Rugby Museum	
19:30	Welcome Function ends	

Day 2: Thursday 22 November 2018

TIME	SESSION TITLE	SESSION SPEAKERS
7:30	Registration and arrival - tea & coffee	
Session 3: More productive, resilient and sustainable animals		
8:30	Welcome and notices	
8:40	Invited Keynote Presentation 5: The frontiers of biomedical science and its application to animal science in addressing the major challenges facing Australasian dairy farming	Prof Murray Mitchell , University of Queensland
9:20	Measuring immunocompetence in dairy cows	S Gupta, M Crookenden, S McCoard, A Khan, C Phyn, C Burke, J Roche, A Heiser
9:30	Grazed chicory, plantain, or ryegrass-white clover alters milk yield and fatty acid composition of late lactating dairy cows	M Mangwe, R Bryant, M Beck, A Fleming, P Gregorini
9:40	A comparison of profitability between farms that milk once or twice a day	J Edwards
9:50	Profitable and resilient pasture-based dairy farm businesses in New Zealand	M Neal, J Roche
10:00	Morning tea	
10:30	Invited Keynote Presentation 6: Manipulating the rumen microbiome to address challenges facing Australasian dairy farming	Catherine Stanton , Teagasc/University College Cork Graeme Attwood , AgResearch
11:10	Defoliation dynamics, pasture intake and milk production of dairy cows grazing lucerne pastures in a partial mixed ration system	K Ison, D Barber, M Benvenuti, N Kleinitz, D Mayer, D Poppi
11:20	Predicting milk fatty acids and energy balance of dairy cows in Australia using milk mid-infrared spectroscopy	P Ho, L Marett, W Wales, M Axford, E Oakes, J Pryce
11:30	Grain type offered to lactating cows during a heat challenge affects forage consumption	L Marett, J Garner, P Moate, W Wales, S Williams
11:40	Sources of phenotypic variation in bulk milk urea concentration in New Zealand herds	P Beatson, M Koot, N Cullen
11:50	Lunch then Mini-oral presentations	
Session 4: Social licence to farm		
13:40	Invited Keynote Presentation 7: Potential solutions to the major animal welfare issues facing Australasian dairy farming	Dr Gosia Zobel , AgResearch
14:20	Effect of weather on activity and lying behaviour in clinically healthy grazing dairy cows during the transition period	S Hendriks, C Phyn, S-A Turner, K Mueller, B Kuhn-Sherlock, D Donaghy, J Huzzey, J Roche
14:30	Method of placing sensors in the rumeno-reticulum does not influence recorded diurnal pH patterns in ruminal fluid	P Moate, M Hannah, J Jacobs, W Wales, S Williams
14:40	Whole farm assurance programmes as a means to achieving best management practice dairy farming: a case study of the Synlait Milk Ltd 'Lead With Pride' programme	R MacArthur, A Renwick, K Old, M Wren
14:50	Electrical conductivity, daily activity and rumination for early detection of mastitis in pasture based automatic milking systems	M Khatun, P Thomson, S Garcia
15:00	Feasibility of innovative sharemilking arrangements	E Schroer-Merker, P Tozer
15:10	Afternoon tea	
15:40	Invited Keynote Presentation 8: Challenges and potential solutions to the major water quality issues facing pastoral dairy farming	Dr Ranvir Singh , Massey University
16:20	Assessing the ability of detainment bunds to attenuate sediment and phosphorus transported by surface runoff in the Lake Rotorua catchment	B Levine, L Burkitt, D Horne, L Condron, C Tanner, J Paterson
16:30	Reducing nitrate leaching from the urine patch - a plant based approach	G Judson, A Moorhead, T Fraser, M Peterson, P Kemp, G Edwards
16:40	Economic implications of altering irrigation scheduling	C Muller, M Neal, M Srinivasan, R Measures
16:50	White clover or nitrogen fertilizer for dairying under nitrate leaching limits?	D Chapman, J Pinxterhuis, S Ledgard, T Parsons
17:00	Influence of El-Niño Southern Oscillation and Indian Ocean dipole phases on annual pasture production in south eastern Australia	T Perera, B Cullen, R Eckard
17:10	Open discussion & question and answer session	
17:25	Day 2 concludes	
19:00	Symposium Dinner	

Day 3: Friday 23 November 2018

TIME	SESSION TITLE	SESSION SPEAKERS
8:00	Registration and arrival - tea & coffee	
Session 4 (continued): Social licence to farm		
08:30	Invited Keynote Presentation 9: Potential solutions to the major greenhouse gas issues facing Australasian dairy farming	Prof Richard Eckard , Melbourne University Dr Harry Clark , New Zealand Agricultural Greenhouse Gas Research Centre
9:10	A meta-analysis comparing four measurement methods to determine the relationship between methane emissions and dry matter intake in New Zealand dairy cattle	A Jonker, P Green, G Waghorn, T van der Weerden, D Pacheco, C de Klein
9:20	Identifying current challenges and research priorities to guide the design of more attractive dairy farm workplaces in New Zealand	C Eastwood, J Greer, D Schmidt, J Muir, K Sargeant
9:30	Modelling biomass, soil water content and mineral nitrogen in dairy pastures: a comparison of DairyMod and APSIM	M Harrison, M De Antoni Migliorati, D Rowlings, W Dougherty, P Grace, R Eckard
9:40	Use of reflexive interactive design to address challenges to New Zealand dairy farming	A Romera, M Neal, A Bos
9:50	Morning tea	
Session 5: People and technologies as enablers of productive, attractive and resilient farm systems		
10:20	Invited Keynote Presentation 10: Getting value from artificial intelligence in agriculture	Dr Matthew Smith , Microsoft
11:00	A combination of automation technologies in rotary dairies was associated with increased labour efficiency but not milking throughput	B Dela Rue, C Eastwood, J Edwards, S Cuthbert
11:10	Making virtual fencing work for individual dairy cattle	S Lomax, P Colusso, C Clark
11:20	The changing face of dairy in Victoria - are we ready for it?	Y Williams, S McDonald, S Chaplin
11:30	Responding to pressures to adopt sustainable practices: the demand for two-way communication	F van Noppen, J Reid, K Hytten, D Horne, L Burkitt
11:40	Open discussion & question and answer session	
12:00	Lunch	
Session 6: Conference end. What are the 2 key areas of focus from this conference that tie in with industry priorities and what does a joint Australian-New Zealand collaborative approach look like?		
13:00	Facilitated workshop A design-thinking approach to map out solutions to challenges facing dairying in the next 10+ years	Led by Prof Hamish Gow and Assoc Prof Brennon Wood , Massey University
15:30	Day 3 and conference ends	