



Tuesday July 2nd

| TIME | WORKING TITLE | AUTHORS | LENGTH | ROOM |
|--------------|--|---|----------|-------|
| 08:30 - | Registration | | | FOYER |
| 09:45 | MORNING TEA | | | FOYER |
| 10:00 | Welcome – Lydia Cranston | | | SSLB1 |
| 10:05 | Presidential Address – Rebecca Hickson | | | SSLB1 |
| 10:20 | Young Member - Sponsored by Pioneer | | | |
| 10:20 | Deterministic modelling of nitrogen utilisation by horses managed under pasture-based, intensive and semi-intensive systems with different levels of pasture intake. | YY Chin, PJ Back, EK Gee, CW Rogers | 12m + 3m | SSLB1 |
| 10:35 | Can bone measures of the bovine metacarpus predict humeral bone structure? | MJ Gibson, CW Rogers, K Dittmer, RE Hickson, EJ Pettigrew and PJ Back | 12m + 3m | SSLB1 |
| 10:50 | Effect of in vitro ruminal fermentation and HCL/pepsin digestion on loline | KA Froehlich, A Greer and RH Bryant | 12m + 3m | SSLB1 |
| 11:05 | Strategic feeding management to mitigate enteric methane emissions and urinary nitrogen excretion | K Garrett, MR Beck, and P Gregorini | 12m + 3m | SSLB1 |
| 11:20 | Session 2: Welfare | | | |
| 11:20 | The feeding and management of Thoroughbred and Standardbred Racehorses displaying clinical signs of recurrent exertional rhabdomyolysis | LJ Wood, BE Lancaster and CW Rogers | 12m + 3m | SSLB1 |
| 11:35 | Relationships between deer temperament and production traits Short title: Deer temperament and productivity | JF Ward, KE Schütz, M Wheeler and GW Asher | 12m + 3m | SSLB1 |

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| 11:50 | Barriers to the adoption of animal welfare standards: shelter on pastoral farms | MW Fisher, W Stockwell, A Hastings, JIE Brannigan, CE Lyons and P Timmer-Arends | 12m + 3m | SSLB1 |
| 12:05 | LUNCH | | | FOYER |
| Session 3: Environment - Sponsored by Massey University | | | | |
| 13:00 | Invited talk: Has progress been made in increasing the eco-efficiency of livestock systems? | Mackay AD, Scobie DR, Rhodes TR, Devantier B | 30m + 10m | SSLB1 |
| 13:40 | Greenhouse gas emissions from New Zealand sheep and beef farm systems | KJ Hutchinson, GM Rennie, RE Vibart, GJK Mercer, K O'Neill, AN Burtt, JM Chrystal, B Devantier, DR Smiley, AL Taylor, BR Thompson, AJ Wall and RA Dynes | 12m + 3m | SSLB1 |
| 13:55 | Circadian variation in methane emissions by cattle and correlation with level and composition of ryegrass-based pasture eaten | AA Biswas and A Jonker | 12m + 3m | SSLB1 |
| 14:10 | Livestock and pasture management on commercial Thoroughbred breeding farms: Implications for estimating nitrogen loss | Yin Ying Chin, Penny Back, Erica Gee, Chris Rogers | 12m + 3m | SSLB1 |
| 14:25 | A case study of the effects of diet and winter management on dairy production, profit and nitrate leaching in Rotorua | VT Burggraaf, GR Rennie, P Edwards and I Pinxterhuis | 12m + 3m | SSLB1 |
| 14:40 | AFTERNOON TEA | | | FOYER |
| Session 4: Growth, development and behaviour | | | | |
| 15:15 | Effects of manipulating maternal prolactin on fetal growth in autumn-lambing ewes | SW Peterson, S Wigati, CMC Jenkinson | 12m + 3m | SSLB1 |
| 15:30 | Carcass characteristics and meat quality of early, mid and late season commercial lambs | Y Ye, NM Schreurs, PL Johnson, RA Corner-Thomas, MP Agnew, P Silcock, GT Eyres, G Maclennan, CE Realini | 12m + 3m | SSLB1 |
| 15:45 | Effect of pre-weaning milk allowance on post-weaning behaviour of heifer calves on pasture | ME Groenendijk, K Lowe, NM Schreurs, and MA Khan | 12m + 3m | SSLB1 |
| 16:00 | AGM | | SSLB1 | |
| 17:00 | Free Time | | | |
| 18:00 | Conference dinner | | | Manawatu Golf Club |

- *Manawatu Golf Club is located at 19 Centennial Drive, Hokowhitu, Palmerston North*

Wednesday July 3rd - Farmer Day

| TIME | WORKING TITLE | AUTHORS | LENGTH | ROOM |
|--|--|--|----------|-------|
| 08:00 | Arrival and registration | | | |
| Concurrent Sessions 5a: Sheep production – Sponsored by AgResearch | | | | |
| 08:30 | Impacts of live weight of ewe lambs at mating on their reproductive performance | E Haslin, RA Corner-Thomas, PR Kenyon, ST Morris, EJ Pettigrew, RE Hickson and HT Blair | 8m + 2m | SSLB1 |
| 08:40 | Reproductive performance of ewe lamb replacements born to ewe lambs | EJ Pettigrew, RE Hickson, PR Kenyon, ST Morris, E Haslin, RA Corner-Thomas, and HT Blair | 8m + 2m | SSLB1 |
| 08:50 | Associations of body condition score and change in body condition score with lamb production in New Zealand Romney ewes | IM Tait, PR Kenyon, DJ Garrick, N Lopez-Villalobos, AB Pleasants and RE Hickson | 8m + 2m | SSLB1 |
| 09:00 | Impact of change in body condition score in mid-late pregnancy in ewes grazed on fodder crops on lamb survival | SA McCoard, Shen-Yan Hea, Catherine McKenzie , Kirsty Hammond and Tim Smith | 8m + 2m | SSLB1 |
| 09:10 | Does stocking rate of singleton ewes during lambing and lactation affect performance? | PR Kenyon, RA Corner-Thomas, LM Cranston and ST Morris. | 8m + 2m | SSLB1 |
| 09:20 | Does the age and sex affect meat quality in older lambs | B. C. Thomson, P. D. Muir and N. B. Smith | 8m + 2m | SSLB1 |
| 09:30 | Effect of birth date on rate of eruption of first permanent incisors in lambs | B.C. Thomson, N.B. Smith and P.D. Muir | 4m + 1m | SSLB1 |
| Concurrent Sessions 5b: Dairy production – Sponsored by AgResearch | | | | |
| 08:30 | Sustainable Farming Fund: Making Fodder Beet Sustainable for Dairy Cattle | KJ Hammond, AJ Jonker, R Dynes, C Westwood, G Micheals, J Kay, P Edwards and D Dalley | 12m + 3m | SSLB2 |
| 08:45 | Conventional or Albrecht-Kinsey fertiliser approach in a commercial scale dairy farm systems comparison | Bryant RH, Zwart T, Greer G, Casey J, Solley K, Pinxterhuis I, Horrocks A, Gillespie, R and Pellow R. | 12m + 3m | SSLB2 |
| 09:00 | Change in herbage nutritive value of mown and standing pasture under rotational grazing | R.H Bryant, P. Edwards, J. Kay, A. Clement, C. Thomas | 8m + 2m | SSLB2 |
| 09:10 | Using leafy turnip to maintain growth rates of dairy heifers during summer | YC Fan, GS Purchas, RE Hickson and PJ Back | 8m + 2m | SSLB2 |
| 09:20 | Effect of genetic merit for milk urea on milk production and efficiency of crude protein utilization of grazing cows with contrasting supplement inclusion | M Correa-Luna, DJ Donaghy, PD Kemp, MM Schutz and N López-Villalobos | 8m + 2m | SSLB2 |
| 09:35 | MORNING TEA | | | FOYER |
| 10:00 | Keynote Speaker - Genetic technologies - the pros and cons for New Zealand | Jaqueline Rowarth Chair – Lydia Cranston and Kelly Froehlich | | SSLB1 |
| Concurrent sessions 6a: Sheep and beef production – Sponsored by AgResearch | | | | |
| 10:40 | Carbon footprint of two unique farms, compared with industry averages | R.A. Dynes, D.R. Scobie, R.E. Vibart, G. Rennie, K.J. Hutchinson, A. Taylor, R.A. Moss, S. Dennis, A. Wall | 12m + 3m | SSLB1 |

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| 10:55 | Farm-management tools: reasons for the decision not to use specific tools | RA Corner-Thomas, PR Kenyon, ST Morris, AL Ridler, RE Hickson, AW Greer, CM Logan and HT Blair | 8m + 2m | SSLB1 |
| 11:05 | The Power of Networking Forums | Hannah Bruce, Chris Garland, Shen Hea, Kirsty Verhoek | 8m + 2m | SSLB1 |
| 11:15 | The impacts of reticulated water on sheep performance in the Manawatu | RA Corner-Thomas, I Draganova, L Burkitt, PR Kenyon | 12m + 3m | SSLB1 |
| 11:30 | The effect of herbage type and access to reticulated water at pasture on the rate of ewe lamb liveweight loss during fasting | J Semakula, RA Corner-Thomas, ST Morris, HT Blair and PR Kenyon | 8m + 2m | SSLB1 |
| 11:40 | Categorising Welfare Assessment Measures for Extensive Pasture-based Beef Cattle Systems in New Zealand | YB Kaurivi, R Laven, R Hickson, K Stafford, T Parkinson | 8m + 2m | SSLB1 |
| Concurrent sessions 6b: beef and dairy – Sponsored by AgResearch | | | | |
| 10:40 | Growth and milk production of dairy heifers born from two-year-old or mixed-age dams | RC Handcock, N Lopez-Villalobos, PJ Back, Hickson RE and LR McNaughton | 12m + 3m | SSLB2 |
| 10:55 | Regression of traits-other-than-production phenotypes for cows milked once-a-day on estimated breeding values obtained from cows milked twice a day. | NW Sneddon, N Lopez-Villalobos, DJ Garrick, JF Rocha and DJ Donaghy | 8m + 2m | SSLB2 |
| 11:05 | Milk production and rebreeding performance of mixed-aged dairy cows mated to Angus or Hereford bulls | LW Coleman, PJ Back, HT Blair, N Lopez-Villalobos, RE Hickson | 8m + 2m | SSLB2 |
| 11:15 | Association of bacterial contamination of colostrum with passive immunity and growth rates in dairy heifer calves | PJ Back, RE Hickson, NW Sneddon, LW Coleman, and RA Laven | 8m + 2m | SSLB2 |
| 11:25 | Development of a weigh band for young dairy calves | B.C. Thomson, N.B. Smith and P.D. Muir | 4m + 1m | SSLB2 |
| 11:30 | Relative cost of producing carcasses from dairy origin steers slaughtered at 8 – 12 months of age in New Zealand | JJ Hunt, PR Tozer, PR Kenyon, NM Schreurs, SJ Pike, RE Hickson, HT Blair and DJ Garrick. | 12m + 3m | SSLB2 |
| 11:45 | Meat-quality of light weight, yearling steers of dairy-origin | SJ Pike, NM Schreurs, RE Hickson, JJ Hunt, PR Kenyon, DJ Garrick HT Blair and ST Morris | 8m + 2m | SSLB2 |
| 11:55 | LUNCH | | | FOYER |
| 12:50 | Board Bus for Field Trip and Mix trip session including <ul style="list-style-type: none"> - AgResearch greenhouse gas facilities - A tour of the Fonterra Pilot Plant - Modern Horticulture - Poultry research facilities and feed mill - Massey sheep research nutrient leaching site | | | |
| 16.30 | BBQ DINNER – Sponsored by BakerAg | | | |
| | Arrive back at Massey for networking/BBQ dinner | | | |

Thursday July 4th

| TIME | WORKING TITLE | AUTHORS | LENGTH | ROOM |
|-----------------------------|---|--|----------|-------|
| 08:55 | Welcome and notices | | | SSLB1 |
| 09:00 | Living Legend: Steve Morris - A precis of beef cattle research over the last 45 years – Chair Rebecca Hickson and Lucy Coleman | | | SSLB1 |
| 10:00 | MORNING TEA | | | FOYER |
| Session 7: Nutrition | | | | |
| 10:30 | Comparison of meat quality characteristics of lambs weaned at 8 or 14 weeks of age grazing perennial ryegrass-white clover pasture or a plantain-clover mix | JC Kok, NM Schreurs, LC Cranston, RA Corner-Thomas, WEMLJ Ekanayake, ST Morris and PR Kenyon | 12m + 3m | SSLB1 |
| 10:45 | Characterisation of the nutritional composition of plant components of a herb-clover mix during November to May in New Zealand | WEMLJ Ekanayake, RA Corner-Thomas, LM Cranston, RE Hickson, PR Kenyon and ST Morris | 12m + 3m | SSLB1 |
| 11:00 | Effect of a fodder beet or lucerne-chaff-based diet on triplet-bearing ewe live weight, body condition score and lamb birth weight | Knol FW, Erichsen C, Jonker A, Sandoval E, Pacheco D, Hea SY, and McCoard SA | 12m + 3m | SSLB1 |
| 11:15 | Urinary nitrogen excretion and water balance of dairy heifers fed cut plantain or perennial ryegrass pastures | O Al-Marashdeh, HG Judson, S Schetelat, A Pawsey and GR Edwards | 12m + 3m | SSLB1 |
| 11:30 | Investigation into the water-soluble carbohydrate content of <i>Plantago Lanceolata</i> | Jiang S, Bryant, RH, Jiao J and Tung R | 12m + 3m | SSLB1 |
| 11:45 | LUNCH | | | FOYER |
| Session 8: Genetics | | | | |
| 12:30 | Estimation of genetic parameters across lactation for daily yields of milk, fat, protein and SCS in NZ dairy goats | MR Scholtens, D Garrick, H Blair, R Snell, K Lehnert and N Lopez-Villalobos | 12m + 3m | SSLB1 |
| 12:45 | Estimation of daily heritabilities for milk urea and efficiency of crude protein utilization in a New Zealand dairy cow herd | H B P C Ariyaratne, M Correa-Luna, H T Blair, D J Garrick, N Lopez-Villalobos | 12m + 3m | SSLB1 |
| 13:00 | Conference Close | | | |