

PROGRAM – AT A GLANCE

Conference Venue:

Stamford Grand Adelaide
2 Jetty Road, Glenelg South Australia
Telephone: 08 8376 1222
www.stamford.com.au/sga

Conference Organiser:

Rebecca Jeisman
AgCommunicators
Telephone: 0438 683 436
Email: rebecca.jeisman@agcommunicators.com.au

Monday, July 4, 2016	
3:45pm – 5:00pm	Careers Master Class for students Ballroom 5
4:30pm – 5:30pm	Poster collection and mounting Plenary
5:00pm – 5:30pm	Speakers' Briefing Plenary
6pm – 8pm	Animal Production 2016 Welcome Reception Ballroom 2 and 3 Business Attire
Tuesday, July 5, 2016	
8:00am – 8:10am	Speakers' Briefing Plenary
8:30am – 5:00pm	Conference Day One
5:00pm – 6:00pm	Alltech Networking Hour Plenary Room
6:00pm – 7:00pm	Society General Meetings (for members and prospective members) ASAP BGM – Plenary Room NZSAP AGM – Ballroom 5
7:00pm	Explore Glenelg's local dining options
Wednesday, July 6, 2016	
8:00am – 8:10am	Speakers' Briefing Plenary
8:30am – 5:30pm	Conference Day Two
7:00pm – 11:00pm	Animal Production 2016 Conference Dinner Ballroom 2 and 3 Cocktail attire
Thursday, July 7, 2016	
8:00am – 8:10am	Speakers' Briefing Plenary
8:30am – 4:30pm	Conference Day Three
4:30pm	Conference Concludes

PROGRAM

Monday, July 4, 2016

3:45pm – 5:00pm | Ballroom 5

Careers Master Class for students

Session chair: Phil Hynd and Emily Buddle

Prof Mike Looper University of Arkansas USA	Building your brand: turning opportunities into a career
Prof James Sartin Journal Of Animal Science	Scientific publications: Surviving the editorial process
Geoff Lucas and Felicity Davies Lucas Group	Getting your resume into shape

4:30pm – 5:30pm Poster collection and mounting

5:00pm – 5:30pm Speakers' Briefing

6pm – 8pm

Animal Production 2016 Welcome Reception

Ballroom 2 and 3 | Business Attire

Tuesday, July 5, 2016

8:30am – 10:30am | Plenary Room

Animal welfare – what is it? How do we measure it? How can we make animals' lives better?

Session chairs: Phil Hynd and Chris Logan

Sponsored by:



Prof Temple Grandin - 1433 University of Colorado USA	Animal handling and welfare
Alan Tilbrook - 1288 SARDI	Hormones, Stress and Animal Welfare (BARNETT MEMORIAL LECTURE)
Tina Widowski - 1422 University of Guelph	Translating animal welfare science into animal care standards

Morning Tea

11:00 – 12:30 | Plenary Room

Major welfare issues facing the animal industries in Australia.

Session chairs: David Scobie and Kate Collins




Sponsored by:





Jojo Jackson - 1493 AECL	Poultry eggs: Australian animal welfare priorities
Jim Rothwell - 1400 Meat and Livestock Australia	Red meat: Australian animal welfare priorities
Andrew Spencer - 1432 Australian Pork Limited	Pork: Australian animal welfare priorities
Kathryn Davis - 1147 Dairy Australia	Dairy: Australian animal welfare priorities
Kylie Hewson - 1287 RIRDC	Chicken meat: Australian animal welfare priorities
Geoff Lindon AWI	Wool: Australian animal welfare priorities
Cameron Hall Elders	Commercial live export: Australian animal welfare priorities
Cross-species facilitated discussion	



ANIMAL PRODUCTION 2016


Lunch	
<p>1:30pm – 3:00pm Plenary Room</p> <p>Consumers and animal welfare: consumer attitudes to, and influence on, animal welfare.</p> <p>Session chairs: Wayne Pitchford and Juan-Felipe M Rocha</p>	<p>Sponsored by:</p> 
Grahame Coleman - 1202 <i>University of Melbourne</i>	Relevance of public attitudes to animal welfare for the pork industry
Heather Bray - 1421 <i>University of Adelaide</i>	Not all Australian families find it easy to talk about where meat comes from
Emily Buddle - 1420 <i>University of Adelaide</i>	Consumers link 'better' farm animal welfare with better quality products
Lenka Malek - 1419 <i>University of Adelaide</i>	Consumer valuation of and attitudes towards farm animal welfare claims
Afternoon Tea	
<p>3:30pm – 5:00pm Plenary Room</p> <p>Animal health, survival and resilience.</p> <p>Session chairs: Geoff Hinch and Lydia Farrell</p>	<p>Sponsored by:</p> 
Joanne Conington - 1495 <i>Scotland's Rural College</i>	Breeding better health and welfare in sheep – what is compromised if we do?
Jason Trompf - 1498 <i>JT Agri-Source</i>	Survive and Thrive 'You can have your cake and eat it too'
Kate Plush - 1415 <i>SARDI</i>	Preparing the neonate for the transition from intra- to extra-uterine life
<p>5:00pm – 6:00pm Plenary Room</p> <p>Alltech Networking Hour</p> <p>Opportunity to engage presenters on their poster topic with a glass of wine and cheese.</p>	<p>Sponsored by:</p> 
<p>6:00pm – 7:00pm</p> <p>Society General Meetings (for members and prospective members)</p> <p>ASAP BGM – Plenary Room NZSAP AGM – Ballroom 5</p>	
<p>7:00pm - Explore Glenelg's local dining options</p>	

Wednesday, July 6, 2016

Wednesday, July 6, 2016	
<p>8:30am – 10:00am Plenary Room</p> <p>Grazing systems: integrating crops and animals; animals and the environment.</p> <p>Session chairs: Michael Friend and Carolina Gallardo</p>	<p>Sponsored by:</p> 
<p>Hugh Dove - 1431 <i>CSIRO</i></p>	<p>Systems impacts of introducing crop grazing into pasture-based systems (MCCLYMONT MEMORIAL LECTURE)</p>
<p>Antonio de Vega - 1179 <i>University of Zaragoza, Spain</i></p>	<p>Grazing systems: integrating crops and animals (STOBBS MEMORIAL LECTURE)</p>
<p>Richard Eckard - 1270 <i>Primary Industries Climate Challenges Centre</i></p>	<p>Climate challenges for pastoral agriculture in Australia</p>
Morning Tea	
<p>10:30am – 12:15pm Plenary Room</p> <p>ASAP Student Snapshot – Concurrent Session 1 of 2</p> <p>Session chairs: Cindy Bottema</p> <p>Judges: Temple Grandin, Geoff Lucas and Hamish Dickson</p>	<p>Sponsored by:</p> 
<p>1303 Victoire De Raphelis-Soissan</p>	<p>Feeding frequency and rate of nitrate ingestion affect nitrite toxicity in sheep supplemented with dietary nitrate</p>
<p>1172 Cassius Coombs Sponsor: ASAP NSW</p>	<p>Effect of eight weeks chilled or frozen storage on consumer-defined sensory quality traits of lamb</p>
<p>1255 Lea Labeur</p>	<p>Effect of combined cold, transport and handling stress in mid- and late-pregnancy on morphometric measures in lambs</p>
<p>1210 Joshua Philp</p>	<p>Withholding lucerne in summer to feed in subsequent winter feed deficits modestly increases feed efficiency of small mixed farms in western China</p>
<p>1220 Alannah Mackay</p>	<p>Testing a model to initiate feather pecking in free-range laying hens</p>
<p>790 Jaime Manning Sponsor: ASAP NSW</p>	<p>The impact of forage availability on livestock behaviour in Australian heterogeneous paddocks</p>
<p>1323 Laura Villar</p>	<p>Nitrate and canola oil are synergistic in reducing methanogenesis in cattle</p>
<p>1014 Muhammad Shoaib Tufail</p>	<p>Development of village-based forage seed enterprises through farmer participatory research approach by varietal selection and evaluation</p>
<p>1262 Peta Taylor</p>	<p>Productivity, leg health and range use of individual broiler chickens on a free-range commercial farm</p>
<p>1215 Carolina Munoz</p>	<p>Reliability and feasibility of animal-based indicators to assess the welfare of extensively managed ewes.</p>
<p>1222 Emma Pettigrew</p>	<p>Can farmers select good rams based on phenotype?</p>
<p>1239 Emily Grant</p>	<p>Qualitative behavioural assessment (QBA) of remotely captured video footage can identify positive and negative welfare states in sheep</p>
<p>1052 Paula Alejandra Gonzalez-Rivas</p>	<p>Reducing rumen starch fermentation of wheat with 3% NaOH has the potential to ameliorate the effect of heat stress in grain-fed sheep.</p>
<p>1295 Lucy Watt</p>	<p>Lamb growth and in vivo organic matter digestibility of arrowleaf clover and bladder clover hay</p>
<p>1230 Maddison Corlett</p>	<p>Including biserrula chaff in the diet of sheep reduced methane yield on the basis of energy intake</p>
<p>1249 Dr Kate Loudon</p>	<p>On farm factors increasing dark cutting in beef cattle</p>
<p>1307 Lauren Staveley Sponsor: Pork CRC</p>	<p>The effect of maternal parity and birth weight on ovarian follicle population of female pigs (gilts).</p>
<p>1200 Mandy Bowling Sponsor: Pork CRC</p>	<p>Heart rate variability as an indicator of pig welfare</p>
<p>1243 Patricia Condous Sponsor: Pork CRC</p>	<p>Use of strategic sow confinement with farrowing induction can achieve similar stillborn mortality and reduce overlay caused piglet mortality compared to loose housed sows</p>
<p>1199 Jamee Seccafien Sponsor: Pork CRC</p>	<p>The effects of heat stress on porcine oocyte maturation, Fertilisation and embryo development and methods of alleviation</p>




1201 Farrah Preston Sponsor: SASAG	Pre-slaughter washing increases dark cutting incidence in beef
1205 Octavia Kelly Sponsor: SASAG	Lamb survival should be considered separate genetic traits across different birth types
1204 Josephine Webb Sponsor: SASAG	JBS Southern Producer of the year 2015 – utilising Livestock Data Link (LDL) as a model for Supply Chain incentivisation.
1273 Hussein Al-Moadhen Sponsor: SASAG	Implementing the Australian Funded 'On-The-Ground' Aid Program at the Holy Karbala Sheep Research Station in Iraq
1286 Emily Buddle Sponsor: SASAG	Meat Consumers Ignore Online Animal Welfare Activism
1310 Haylee Clifford Sponsor: SASAG	Grape marc inclusion in ruminant diets reduces protein absorption
1254 Risa Antari Sponsor: ASAP QLD	Metabolisable energy intake but not crude protein intake or bovine somatotropin hormone (bST) increased hip height in <i>Bos indicus</i> cross steers
1268 Jarud Miller Sponsor: ASAP QLD	Are neonatal beef calves getting enough to drink in northern Australia?
1260 Andrea Wallage Sponsor: ASAP QLD	Exposure of bulls to high heat load decreases efficacy of scrotal thermoregulation
1251 Tanya Nowland Sponsor: Pork CRC	Caffeine increases an neonatal piglets body temperature and negatively effects survival at 24 hours of age
<p>10:30am – 12:15pm Ballroom 5 NZSAP Presidential Address & NZ Young Scientists – Concurrent Session 2 of 2 Session chairs: Chris Logan</p>	
Chris Logan	NZSAP, Presidential Address
NZSAP 26 Rhiannon Handcock	More dairy heifers are achieving liveweight targets
NZSAP 2 Gabriella Gronqvist	Does ewe nutrition during pregnancy affect the neonatal behaviour of twin-born lambs?
NZSAP 6 Catherine O'Connell	Sustained diuretic effect of plantain when ingested by sheep
NZSAP 12 Lisa Box	Milk production and urinary nitrogen excretion of dairy cows grazing perennial ryegrass-white clover and pure plantain pastures
NZSAP 7 Lydia Jane Farrell	Urine excretion of non-lactating dairy cows in late gestation fed fodder beet and kale based diets in winter
NZSAP 48 Irene Lingjun Zhang	Using genomic information to predict sex in dairy cattle
Lunch	


1:15pm – 3:15pm Colley Breeding – Concurrent Sessions 1 of 3 Session chairs: Forbes Brien and Kate Loudon	
NZSAP 31 ST Morris	Days to calving and inter-calving interval in beef and dairy-beef crossbred cows
NZSAP 45 Patricia Johnson	Preliminary Investigations into the Genetics of Residual Feed Intake in Sheep
1228 Tracie Bird Gardiner	Relationships among methane traits in cattle fed ad libitum roughage diet
NZSAP 19 Alan M Hurley	Genetics of alternative definitions of feed efficiency in grazing lactating dairy cows
1252 Claire MacLeay	Feed intake for sheep can be measured precisely in less than 35 days
NZSAP 42 Kathryn McRae	An update on genetic parameters for facial eczema tolerance in sheep
NZSAP 30 John Booker	NZ Corriedale Performance Recording
1219 Dr Kath Donoghue	The impact of divergent selection for methane yield on age at puberty
NZSAP 32 Felipe Lembeye	Estimation of genetic parameters for milk yield traits at different herd production level in cows milked once- or twice-daily
NZSAP 40 Jamie Ward	DEERSelect – review of the first decade
1238 Nicholas Corbet	Genetic parameters of female reproductive traits measured by ultrasound in beef cattle
NZSAP 51 Sharon McIntyre	Impact of date of birth recording in genetic evaluation in sheep
1:15pm – 3:15pm Plenary Room Grazing / Pastures / Supplements – Concurrent Sessions 2 of 3 Session chairs: Paul Kenyon and Andrea Wallage	
Sponsored by: 	
1138 Dr Di Mayberry	Quantifying the scale of livestock yield gaps in India and identifying opportunities for investment
1148 Dr Cesar Pinares	Influence of integration of dual-purpose wheat and canola crops in a pasture system on liveweight of Merino sheep
1272 Ian McFarland	Pastures from Space - a practical application
1283 Renelle Jeffrey	It's Ewe Time - a national productivity stimulation campaign
1118 Dr Lindsay Bell	Feed-base strategies that reduce risk of feed-gaps in livestock systems across Australia's mixed farming zone
1136 Dr Maree Bowen	The profitability of forage options for beef production in the subtropics of northern Australia
1203 Dr Robin Dobos	Inferring rumination behaviour from a tri-axial accelerometer
NZSAP 63 David Pacheco	Plasma amino acid profiles of lactating dairy cows feed fodder beet and ryegrass diets
NZSAP 14 Lydia Cranston	Effect of early weaning onto a plantain-clover mix on ewe and lamb performance
NZSAP 24 Aimi Nabilah Hussein	Social dominance and milk production of grazing dairy cows in New Zealand.
NZSAP 20 Racheal Bryant	Does mowing before grazing increase dry matter intake and milk yield of late lactation dairy cows?
NZSAP 61 Rene Corner-Thomas	The use of Farm management tools by New Zealand sheep farmers: changes over time



<p>1:15pm – 3:15pm Ballroom 5</p> <p>Welfare Issues / Measurement – Concurrent Sessions 3 of 3</p> <p>Session chairs: Kate Plush and Patricia Condous</p>	
NZSAP 34 Mhairi Sutherland	An investigation of automated measures for assessing pain-induced distress in dairy calves
NZSAP 18 Melissa Hempstead	A physiological evaluation of the efficacy of pain-mitigation strategies for cautery-disbudded goat kids
NZSAP 5 Jamie Ward	Development and evaluation of a temperament scoring system for farmed deer - genetic and environmental components
NZSAP 9 C. Trotter	Liver Abscessation in Pasture Based Beef Bulls in the South Island of New Zealand - The Incidence and Effect on Carcass Weight.
1261 Brett Wilson	Wild dog predation and flock productivity - field methods to quantify stress and behavioural responses of sheep in the line of fire
1197 Dr Amanda Doughty	Remote monitoring for wellbeing in grazing sheep: are social behaviours useful?
1266 Tellisa Kearton	Positioning of sensing microchips for detecting core temperature changes in sheep.
1037 Dr Edward Narayan	Optimising non-invasive cortisol measurement in sheep (<i>Ovis aries</i>)
1180 Dr Cathy Burnard	Longer distances are better for measuring flight speed in sheep
1174 Joanna Blunden	Beyond consumer defined welfare - paddock based egg production
1156 Dr Greg Cronin	The impact of a feather-pecking outbreak in an experimental free-range layer flock on growth, egg production, plumage damage and mortality
1181 Dr Brian Horton	Mortality in adult ewes associated with cold conditions despite moderate length wool
Afternoon tea	
<p>3:45pm – 5:45pm Colley</p> <p>Meat Science – Concurrent Sessions 1 of 3</p> <p>Session chairs: David Rutley and Jena Alexopoulos</p>	
NZSAP 43 PJ Back	Do different grazing strategies affect pre-weaning calf growth rates?
NZSAP 47 Wendy Bain	Variation in total body fatness, and fat distribution in maternal sheep estimated using computed tomography scanning
1193 Dr Shawn McGrath	Turning dual-purpose wheat into meat: comparison of Merino and White Dorper maternal systems on a mixed-farming feedbase
1454 Dr Robert Banks	Balancing efficiency of production and product quality with new tools – the example of lamb
1221 Bruce Hancock	The Lamb Supply Chain Group provides a model for engaging value chains
1313 Stephanie Fowler	Prediction of beef eating quality using Raman spectroscopy
1195 Dr Janelle Hocking Edwards	Genomic breeding values for Lean Meat Yield, Intramuscular Fat and Shear Force do not affect live lamb production traits
NZSAP 56 PJ Back	Calf grazing behaviour and preference
NZSAP 4 Bryan Thompson	The impact of lamb pre and post weaning growth rate on farm profitability
NZSAP 38 Laura Deeming	Variability in growth rates of goat kids on 16 New Zealand dairy goat farms
NZSAP 17 Nicholas W Sneddon	Lactation curves for yields of dairy products from Holstein Friesian, Jersey and Holstein Friesian-Jersey crossbred cows.




3:45pm – 5:45pm Plenary Room Grazing / Pastures / Supplements – Concurrent Sessions 2 of 3 Session chairs: Dennis Poppi and Jaime Manning		Sponsored by: 
1247 Tim Hillier	Demonstrating a successful premium pasture-fed beef value chain	
1159 Greg Ferrier	Phenotypes to meet pasture-fed market requirements	
1178 Dr Stephanie Muir	Offering legume based pastures to sheep reduced methane emissions and increased growth rates compared with perennial ryegrass pastures in spring and summer	
1213 Dr Megan Sullivan	Can an Australian native plant (Eremophylla spp.) reduce methane output from cattle?	
1267 Jane Court	Profit Drivers for the Sheep Industry across climate and land class	
NZSAP 22 Ao Chen	Dietary preference of dairy cows for perennial ryegrass cultivars growing with and without white clover	
NZSAP 55 B saldias	Ad Libitum Fodder Beet and Pasture Beef Finishing Systems – Intake, Utilisation, Grazing Behaviour and Live	
1231 Dr Karen Harper	Assessing the biodiversity of kikuyu genotypes: Growth and forage quality	
NZSAP 36 Norton Atkins	The intake and performance of high-yielding Holstein cows offered a TMR and with access to grazing for six hours per day	
NZSAP 15 Anna Clement	Effect of grazing system on nitrogen partitioning in lactating dairy cows grazing irrigated pastures in Canterbury, New Zealand.	


3:45pm – 5:45pm Ballroom 5 Neonatal survival – Concurrent Sessions 3 of 3 Session chairs: Peter Wynn and Cara Meyer	
NZSAP 52 Rebecca Hickson	The influence of age and breed of cow on colostrum indicators of suckled beef calves
NZSAP 21 Gosia Zobel	The success of immediate removal of goat kids from the doe as a colostrum management strategy
NZSAP 58 Sam Peterson	Does Viagra protect fetal lambs against pregnancy toxemia?
NZSAP 35 Heather Neave	The effect of milk allowance on performance and starter intake of dairy calves
1333 Dr Hayley Norman	Programming lambs to improve utilisation of novel forages.
1309 Sarah Blumer	Increasing sire breeding values for post weaning fat improves the condition score of their adult ewe progeny in late pregnancy.
1250 Beth Paganoni	Maximum survival of lambs to weaning is achieved when Merino ewes are in condition score three prior to lambing.
NZSAP 60 Gemma Lowe	The use of an automated infrared thermography system for early disease detection in dairy calves
1196 Ann Jones	Sheep producers change their behaviour in welfare, productivity and breeding.
1292 Christy Goldhawk	Social Media as a Contributor to Food Policy Development
1171 Dr Roger Paskin	Development of the One Biosecurity program in South Australia

7:00pm – 11:00pm Animal Production 2016 Conference Dinner Ballroom 2 and 3 Cocktail attire	Sponsored by: 
---	--



Thursday, July 7, 2016

Thursday, July 7, 2016	
8:30am – 10:00am Plenary Room Animal nutrition - past, present and future Session chairs: Hugh Dove and Octavia Kelly	Sponsored by: 
John Black - 1413 <i>John Black Consulting</i>	Animal nutrition: past, present and future – value of thinking across species and across disciplines (UNDERWOOD MEMORIAL LECTURE)
Frank Dunshea - 1496 <i>University of Melbourne</i>	The Changing Drivers for Pork Production – Metabolic Modifiers
Graham Barrell – NZSAP 70 <i>Lincoln University NZ</i>	Signals from inner space (NZSAP LIVING LEGEND ADDRESS)
Morning Tea	
10:30am – 12:30pm Plenary Room Epigenetics and genomics Session chairs: John Williams and Laura Villar	Sponsored by: 
Tad Sonstegard - 1418 <i>Recombinetics</i>	Precision Animal Breeding as a Sustainable, non-GMO Solution for Improving Animal Production and Welfare
Tim Doran -1438 <i>AAHL</i>	Sex Selection in poultry
Kristen Brennan - 1269 <i>Alltech</i>	Nutrition and its influence on early-life programming in animals
Kathy Gatford - 1497 <i>University of Adelaide</i>	Off to the right start – how pregnancy and early life can determine potential health and production
Lunch	
1:30pm – 3:10pm Colley Welfare Biology – Concurrent Sessions 1 of 3 Session chairs: Cameron Ralph and Jarud Miller	Sponsored by: 
1168 Dr David Scobie	Moulting of tail wool reduced dag accumulation in yearling sheep.
1232 Dr Sam Walkom	Importance of ewe and cow body condition in breeding programs
809 Dr Helen Golder	Teat sealant lowers milk somatic cell count
NZSAP 41 Kathryn McRae	Preliminary estimates of genetic parameters for juvenile and adult dag scores in New Zealand sheep
1217 Laura Kemmis	Pedigree MatchMaker accurately identifies dams in naturally joined sheep flocks
1162 Dr Angela Lees	Shade utilisation by Bos taurus and Bos indicus steers during summer
1240 Prof Paul Hemsworth	Relationships between handling, behaviour and stress in lambs at abattoirs
1248 Kate Hartcher	The use of carbon dioxide to stun pigs - benefits, drawbacks, and the way forward from here
1253 Jessica Crettenden	Ewes classified as good mothers have greater cortisol responses when separated from their lambs than ewes classified as poor mothers
1246 Melina Tensen	Livestock Production - 2050 and beyond

<p>1:30pm – 3:10pm Plenary Room</p> <p>Repro – Concurrent Sessions 2 of 3</p> <p>Session chairs: Rebecca Hickson and Jose Webb</p>	
1242 Prof Michael Friend	Changing the sex ratio of lambs may alter gross margins in sheep flocks
1258 Dr Affiong Henry	An evaluation of post-partum re-mating intervals in grasscutter (<i>Thryonomys swinderianus</i>) does.
1245 Dr Sabine Schmoelzl	Development of a remote sensing device to detect duration of parturition in ewes
1145 Tim Schatz	The effect of weight and age on pregnancy rates in maiden Brahman heifers in northern Australia.
NZSAP 27 Chris Rogers	Reproductive production constraints within the New Zealand racing industry
NZSAP 3 Paul Kenyon	The impact of dam age on ewe reproductive performance at two years of age
NZSAP 8 David Scobie	The influence of previous lactation on subsequent fertility in multiparous ewes?
NZSAP 29 Harriet Wishart	Which traits best predict ewe performance and survival the following year on a UK hill farm?
<p>1:30pm – 3:10pm Ballroom 5</p> <p>Grazing / Pastures / Supplements – Concurrent Sessions 3 of 3</p> <p>Session chairs: Janelle Hocking Edwards and Melissa Hempstead</p>	
<p>Sponsored by:</p> 	
1158 Kieren McCosker	No production response of injectable trace minerals in young cattle grazing pasture based systems in the Northern Territory
1139 Prof Nagalakshmi Devanaboyina	Supplementation of zinc-proteinates on serum biochemical parameters, antioxidant status, immune response and ovarian follicles in buffalo heifers
1233 Dr Norm Santich	Pastures From Space Plus
834 Prof David Cottle	Novel livestock supplementation: reducing shy feeders
1229 Dr Mariana Caetano	Effect of ensiled crimped grape marc on growth performance and methane emissions of Angus steers
1290 Dr Rob Dixon	Productivity and phosphorus content of rib and tail bones in reproducing cows ingesting diets deficient or adequate in phosphorus
1143 Dr Helen Golder	Metabolome and microbiome associations after a grain and sugar challenge
1296 Michael Wilkes	Pasture quality and pre-slaughter mob movements increase the incidence of dark cutting beef
1278 Dr Dean Thomas	The case for livestock monitoring in the mixed farming region - is it possible to reduce management complexity without adding to it?
NZSAP 1 J Kleinman	Feed value of maize silage in New Zealand
<p>Afternoon Tea</p>	
<p>3:30pm – 4:30pm</p> <p>Forward Thinking – Where to from here?</p> <p>Session chairs: Phil Hynd and Chris Logan</p>	
Dr Robert Banks - 1453 <i>University of New England</i>	What does genomics mean for animal production?
Dr Jane Weatherley - 1297 <i>Meat and Livestock Australia</i>	Towards a sustainable and effective model for extension and adoption investment in the red meat and livestock industries
Dr Stephen Lee - 1236 <i>SA Sheep Industry Blueprint</i>	Developing and implementing the South Australian Sheep Industry Blueprint
Phil Hynd	The future of animal production and research
Phil Hynd and Chris Logan	Society Presidents' closing remarks



Poster Display

793 Dr Mary-Jane Rogers	Are pre- and post-grazing measurements of nutritive characteristics appropriate for defining what a cow actually consumes?
841 Dr Simon Quigley	Liveweight gain, dry matter intake, hip height change, cortical bone thickness and phosphorus in the plasma and faeces of <i>Bos indicus</i> crossbred steers all increase in response to increasing phosphorus intake
1140 Dr Leo Cummins	Being born a twin does not reduce pregnancy rates in 15-month-old heifers
1141 Jordan Hoban	The Nutritive Value and Eating Quality of Australian lamb cut
1144 Dr Stephanie Fowler	A probe for measuring GR in lamb carcasses
1152 Prof Hugh Blair	Does dam age effect gene expression in fetal and young sheep?
1153 Emma Babiszewski	Development of a skin cleanliness scoring system for the Australian lamb industry
1154 Jordan Hoban	Variation in nutritional composition of lamb leg cuts
1155 Prof Michael Friend	Modelling the potential for flushing or improved pregnancy rate to increase gross margins in sheep flocks
1157 Natasha Edwards	The Effect of In ovo Administration of L-Arginine on the hatchability and embryological development of Broiler Chicks
1184 Michael Evans	Soil moisture monitoring in grazing systems assists decision-making
1194 Dr Mary Fletcher	Thermo-alkaline Degradation of Hepatotoxic Indospicine in Camel Meat
1206 Dr Dave Kleeman	Does melatonin enhance reproductive performance of Border Leicester rams mated to Merino ewes in spring?
1207 Jane Court	Can farmers select good rams based on phenotype?
1209 Dr Rachelle Hergenhan	A modified barrier test can be used to assess breed differences in lamb vigour
1211 Mario Lema	Can nutritional level and parental EPD for rib eye area influence feed conversion efficiency and carcass yield in steers?
1212 Dr Georgett Banchemo	Growth, meat yield and meat quality of lambs born to ewes submitted to energy restriction during mid gestation
1216 Dr Shawn McGrath	Forage quantity and quality of dual-purpose wheat: changes during grazing and implications for livestock production
1224 Dr Peter Hutton	Providing pasture choice to sheep reduced intensity of methane emissions and increased growth compared with annual ryegrass
1227 Prof John Williams	Functional annotation to understand how imprinting affects phenotypes in pure bred and hybrid cattle
1235 Natasha Edwards	Effect of dietary natural betaine on broiler breeder hen performance and egg quality characteristics
1237 Dr Peter Hutton	<i>Biserrulla pelecinus</i> reduces leptin secretion in dry merino ewes
1256 Dr Dave Kleeman	Variation in sexual activity of young Border Leicester rams treated with melatonin in spring

1257 Anne Collins	The National Grass Seed Action Plan provides a model for addressing an issue impacting the whole supply chain
1259 Dr Janelle Hocking Edwards	Saleable meat yield affects lamb carcass value
1280 Dr Rob Dixon	Responses of deficient breeder cows to additional diet phosphorus
1281 Dr Rob Dixon	Effects of time of sampling during the day on the concentration of phosphorus in faeces of cattle
1282 Dr Ian Goodwin	Possible alternatives to methylene blue to treat nitrite-induced methaemoglobinaemia
1298 Prof Wayne Pitchford	Drafting cattle for slaughter should not limit use for genetic evaluation
1299 Dr Michelle Hebart	Size Matters - Heavier and carcasses with greater marbling have greater variation in traits affecting beef eating quality.
Student Poster Submissions	
1049 Mammo Erdaw	Effects of diet containing raw, full-fat soybean meal and supplemented with high-impact protease for broilers on relative weight of pancreas
1053 Paula Alejandra Gonzalez-Rivas	Characterization of in vitro rumen fermentation parameters of 3% NaOH treated wheat grain.
1054 Paula Alejandra Gonzalez-Rivas	Rumen bolus is a useful tool to monitor body core temperature as affected by ambient temperature in lactating dairy cows in a sub-tropical summer.
1173 Abd Al-Bar Al-Farha	Evaluation of Recoverability of Mycoplasma-like organisms causing mastitis in dairy cattle in South Australia under different freezing conditions.
1176 Kayla Kopp	Barley grain supplementation in late gestation to improve lamb survival in twin-bearing Merino ewes grazing pasture of high biomass and quality
1177 Khaled Kanakri Sponsor: SASAG	The influence of variable dietary fats on tissue fatty acid composition and growth performance of broilers
1208 Abd Al-Bar Al-Farha	Microbiology and molecular tools for detection of Mycoplasma mastitis in South Australia
1214 Abd Al-Bar Al-Farha	The effect of Mycoplasma mastitis on somatic cell counts patterns and bovine milk production in South Australia
1218 Pablo Alvarez Hess	Analysis of three methods for the estimation of in vitro CH ₄ production from vented bottles.
1234 Oanh Le Sponsor: ASAP QLD	Preference of weaner calves for pellets is improved by inclusion of Bacillus amyloliquefaciens spores as an ingredient
1241 Jemma Seyfang	Gilts from female-biased litters behave differently than gilts from male-biased litters
1244 Cassius Coombs	Examining the relationship between colorimetric measurements and microbial loading of beef meat
1263 Shernae Woolley	Emerging inherited diseases and animal welfare: A case study of congenital mandibular prognathia in Droughtmaster cattle
1264 Tiago Alves Correa Carvalho de Silva Sponsor: ASAP QLD	High protein content stimulates bone elongation on energy-restricted cattle
1294 Pardeep Sharma Sponsor: SASAG	Serological responses to Salmonella Typhimurium infection in laying hens
1308 Victoire De Raphelis-Soissan	Nitrate encapsulated with paraffin wax inhibits short term methane production in sheep and effectively reduces the risk of nitrite toxicity
1343 Madhu Sharma	4- Nonylphenol induced Genotoxicity assessment in blood cells of fish Channa punctatus using Comet Assay

