	2019-20 Investment Call							
	14 Proposals							
Project	Proposal Title	Lead Investigator	Research	Project Summary				
code			Organisation					
L.LSM.0020	Refining body condition score for region,	Dr Gordon	NSW Department	This project will investigate the reliability of advice around body				
	season, breed and responsiveness	Refshauge	of Primary	condition score targets for sheep reproduction, by examining				
			Industries	data from different regions, breeds and mating seasons and to				
				demonstrate the importance of understanding flock responsiveness to condition score.				
L.LSM.0026	A novel amino acid approach to lamb	Dr Mariana	The University of	This project examines the impact of supplementation of				
More	survival	Caetano	Adelaide	pregnant ewes with specific amino acids on the survival and in				
information	Sarvivar	Cactano	/ tacialac	utero growth/vigour of twin foetuses.				
here								
L.LSM.0021	Increasing lambing percentages through	Associate Professor	The University of	This project aims to increase the adoption of scanning and				
	better use of pregnancy scanning	Forbes Brien	Adelaide	develop more customised management of twin- and multiple-				
	technology			bearing ewes to increase twin-lamb survival. The potential for				
				identifying scanned indicators of foetal health, using remote				
				diagnosis of scanned images, and better linking of scan data				
				with EID tags, will also be examined.				
B.GBP.0052	Calf 48 hour – better detection of calving	Mark Trotter	Central	This project seeks to develop and evaluate on animal and farm				
	events for improved productivity		Queensland	sensor				
			University Australia	systems to provide highly accurate animal location and behaviour data for identify calving events.				
B.GBP.0051	Objective real-time assessment of Bos	Dr Malcolm	NSW Department	This project will expand the use of 3-D camera technology				
B.GBF.0031	Taurus cattle to improve profitability and	McPhee	of Primary	across British breeds to develop a commercial-ready product to				
	productivity	With five	Industries and	predict carcase traits (fat, muscle score, frame score and body				
	productivy		University of	condition score) at different stages of growth in real-time. The				
			Technology,	project will also validate and update predictions of lean meat				
			Sydney	yield, MSA marbling and MSA index on live cattle and will				
			, ,	develop the existing Beefspecs calculator for smart phones.				
B.PAS.0502	Boosting natural regeneration of the	Professor Susanne	School of	This project will evaluate the potential of 'Biocrusts' of soil				
<u>More</u>	nitrogen capital in grazing lands	Schmidt	Agriculture and	microbes to fix nitrogen in grazing lands, and will determine the				
information			Food Science, The	impact of grazing management practices on nitrogen capture by				
<u>here</u>			University of	biocrusts.				
2 722 222			Queensland					
B.TGP.2001	Quantifying spatial and temporal changes in	Dr Sarah McDonald	NSW Department	This project will determine the feasibility of using remotely-				
	feed supply and demand		of Primary	sensed and on-ground monitoring data to develop a decision				

			Industries (Climate Research)	support tool (early warning signal) for graziers to manage total grazing pressure by managed and unmanaged herbivores.	
B.WEE.0148	Integrated management and development of additional agents for Parkinsonia	Michelle Rafter	CSIRO	This project will investigate potential biocontrol agents for the woody weed Parkinsonia. The project will investigate the release of additional leaf defoliating agents, develop new tools to monitor their establishment and determine the impact of a stem-galling fly on Parkinsonia.	
B.WEE.0149	A new hope for the biological control of blackberry	Dr Raelene Kwong	AgVic	This project will investigate a new potential biocontrol agent (the blackberry cane-boring sawfly) for control of blackberries and specifically the specificity of the sawfly to blackberries alone.	
B.PAS.0360	Not enough nodules - impacts of herbicides, pesticides and other farm management tactics	Dr Belinda Hackney	NSW Department of Primary Industries	This project will determine the impact of management practices (herbicides, pesticides and soil inputs) on rhizobia/legume interactions and options for optimising N-fixation and legume biomass production.	
B.GBP.0048 Project complete	Quantifying neonatal mortality and reproductive performance in southern beef herds	Dr Kelly Stanger	The University of Melbourne	This project will quantify (by survey) the extent of neonatal calf losses in southern Australia and the relative importance of the dam, genetics, nutrition, maternal condition score, metabolic disturbances and infectious diseases, on the risk of calf death. Relationships between management practices and calf mortality will also be identified to provide benchmarks for industry.	
L.NAB.1903 (NB2 Strategic Partnership)	Calf Loss Consortium	> 35 interested researchers involved	> 6 organisations involved	Calf loss is a major cause of lost productivity in Northern Australia. The causes are multifactorial and the solutions not well researched. Furthermore, the geographic spread and potential causes and solutions are likely to be varied. Expressions of interest were called from parties to form a partnership to perform RD&A to reduce the incidence and impact of calf loss.	
L.LSM.0024 Project complete	A review of the impact of heat stress on reproductive performance in sheep	This project will see a closed competitive tender (2) put out for the conducting of a review of literature on heat stress (in sheep), identification of key knowledge gaps and a where appropriate development of a program strategy to investigate short, medium and long term methods of mitigating and managing the			

		effects of heat stress on reproductive performance
L.LSM.0028 Project complete	Confinement feeding for sheep	The aim of this project is to prepare a literature review that identifies feeding and other practices that could be managed to optimise reproductive performance whilst ensuring ewe welfare. This review will include evaluation of feeding strategies during joining and of the pregnant ewe, with consideration of the optimal ewe body condition score.