





### SAMRC REGIONAL RDE PRIORITIES (JULY 2018) - FINAL

CATEGORY	PROGRAM / SUB-PROGRAM	KEY PRIORITY IDENTIFIED / DELIVERABLE SOUGHT	RELATIVE FOCUS			RELATIVE REGIONAL FOCUS*										
			R	D	E	W/NSW - SW QLD	SA	S/NSW	N/NSW	C/VIC	W/VIC	GIPPS / TAS				
FARM PRODUCTIVITY (cont.)	LIVESTOCK PRODUCTIVITY (cont.)	BREEDING & REPRODUCTIVE EFFICIENCY (cont.)	EWE & LAMB MANAGEMENT	Revisit extension efforts aimed at promoting the uptake of pregnancy scanning and the capability of scanner operators.			XXX									
				Use - or where absent, establish - comprehensive regional benchmarks and baselines on current flock performance to direct RD&E investment. Focus on fertility, fecundity and survival, including predation (foxes, wild dogs, pigs, other)	XXX	XX	X									
				Improve scientific understanding of the physiological constraints of the ewe to lamb survival	XXX											
				Increase knowledge of the management responses to environmental extremes and season/climate change on conception and lambing	XXX	XX										
				Develop and optimise novel joining approaches as a means of mitigating drought impact (eg joining in drought lots, confinement or small mob joining, etc)		XXX	X									
				Review and refine LTEM, MMfS and Wean More Lambs curricula to ensure regional relevance, currency and cost-efficiency in key messages and benchmarks.		X	XXX									
				Application of precision management of reproduction processes (joining length, lambing groups, post-lambing management, scanning earlies and lates) (tightest joining possible, tightest lambing period) matching all management factors to decrease mortality/increase survivability of ewes and lambs	X	XX	XXX									
				COW & CALF MANAGEMENT	Improve the conception rate to artificial insemination in beef.	XXX										
		Research heifer management strategies to ensure optimal growth and development to avoid calving difficulties and ensure heifer conception and re-breeding (from first to second joining)	X		XX	XXX										
		Develop a research and development program to identify methods of selection and options to increase ovulation rate and multiple births in beef cattle	XXX		XX	X										
		Develop management guidelines for multiple bearing cows during pregnancy and rearing and weaning strategies during lactation and post weaning.	XXX		XX	X										
		PRECISION LIVESTOCK MANAGEMENT SYSTEMS		Engage with technology specialists to ensure that precision management systems deliver on productivity, sustainability and welfare metrics		XXX	X									
		ANIMAL HEALTH		Development of tools to allow more accurate forecasting and rapid or real-time monitoring, prevention and treatment of parasites (worms, fluke, etc) and metabolic disease (bloat, grass tetany, etc)	XXX	XXX	XXX									
				Refine regional grazing management strategies that impede parasite life cycles and reduce infective capacity		XXX	XX									
				Continued investment in animal health products with varied modes of action to mitigate resistance and optimise the efficacy of existing and new products	XXX											
FARM PROFITABILITY	BUSINESS RESILIENCE & SUSTAINABILITY	CLIMATIC & SEASONAL RISK MITIGATION	BUSINESS & ENTERPRISE STRUCTURE	Physical and economic modelling to identify business and enterprise mixes, risks and optimum strategies - by region - under different climate change outlooks	XXX	XX										
				Review weather (7 days), seasonal (3 months) and climate (> 5years) modelling with a focus on greater granularity (accuracy) for regional applications	XXX	XX										
				Develop practical systems and support networks (advisors, etc) for using modelling to assist industry in addressing seasonal and climate variability		XXX	XX									



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PRODUCT INTEGRITY & SUPPLY CHAIN EFFICIENCY	PRODUCT ASSURANCE		Develop an integrated application for on-farm data collection to improve the ease and use of recording LPA data (eNDVs)	X	XXX	X							
			Integrate a system that enables one auditor visit for all assurance programs (LPA, EU) to reduce red tape and downtime.		XXX	XX							
	SPECIFICATION COMPLIANCE	OBJECTIVE ANIMAL & CARCASE MEASUREMENT	Develop technology to allow accurate and simple on-farm carcass measurement	XXX	XX	X							
			Ensure balance in IMF-yield selection and measurement in OCM technology and related campaigns		XXX								
SUPPLY CHAIN CONNECTIVITY		Fast-track broader supply chain uptake of carcass tracking and feedback systems <b>that facilitate timely and relevant feedback to all supply chain sectors (processors, feedlots, backgrounders, breeders).</b>		XXX	XXX								
RD&E CAPABILITY AND CAPACITY	SAMRC / RAC DEVELOPMENT		Continued development of a SAMRC with increased focus on regional activity and relevance, and the delivery of RD&E consultation to the broadacre livestock industries in south-eastern Australia		XXX								
			Revisit <i>National Extension Blueprint</i> to assess potential roles for SAMRC (and RACs more broadly) in helping improve co-ordination, collaboration and consistency of the extension landscape		XXX								
	COLLABORATION & CO-INVESTMENT		Update/undertake stocktake of RD&E capability and capacity in lieu of forthcoming planning for the next Meat Industry Strategic Plan (MISP)	XXX									
			Develop the skills and capacity of private and public sector advisors to ensure they are up to date with research, tools and services for industry - including consideration for regional red meat and livestock RD&E updates			XX							
EXTENSION PLANNING & DELIVERY		Engage and foster farmer / grower group structure to improve regional-local connectivity, and to help build localised extension curricula and capacity			XXX								

**NOTES:**

- MAJOR RISK / IMPEDIMENT / ISSUE
- MODERATE RISK / IMPEDIMENT / ISSUE
- LOWER (RELATIVE) RISK / IMPEDIMENT / ISSUE

