



SAMRC RD&E PRIORITIES (FY2017-18) – SUMMARY VERSION

CATEGORY	PROGRAM / SUB-PROGRAM		OUTPUTS / OUTCOMES SOUGHT
FARM PROFITABILITY	WHOLE FARM SYSTEMS MANAGEMENT		Build business acumen, enhance resilience (in the business) and adaptability (in management), with a focus on managing the animal / plant / environment / production system / market specification interaction in temperate and sub-tropical regions
FARM PRODUCTIVITY	LIVESTOCK PRODUCTIVITY	ANIMAL HEALTH	Develop tools to help in the mitigation of parasites and diseases, with a focus on real-time assessment, forecasting and regional applications.
		ANIMAL NUTRITION	Enhance rumen efficiency to drive productivity and environmental (↓ methane) benefits, focussing on accurate and cost-effective FCE measurement in pasture systems, and manipulation of FCR through supplementation and other interventions
		BREEDING & REPRODUCTIVE EFFICIENCY	Guidelines and management strategies to optimise reproductive efficiency (and minimise reproductive wastage) in accordance with regional / climatic limitations
		PRECISION MANAGEMENT SYSTEMS	Targeted information and programs to promote value-based decision-making utilising individual animal data generated from eID
	GRAZING & FEEDBASE MANAGEMENT	OPTIMISING GROWTH & UTILISATION OF THE FEEDBASE	New pasture / crop species and management practices to optimise growth, perenniality, persistence and utilisation of the feedbase in accordance with regional / climatic needs
			Technologies and decision-support systems to provide enhanced automation and accuracy in soil fertility and feedbase assessment



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CONSUMER & COMMUNITY SUPPORT	PERCEPTION / SUPPORT OF FARM PRACTICES	ANIMAL HUSBANDRY PRACTICES	Communication tools to support livestock managers in being able to articulate and promote husbandry and stewardship practices related animal welfare.
			Commercially-validated information to quantify and promote the incentives, considerations and options around the cessation of invasive (surgical) husbandry practices
		SUSTAINABILITY	Validate indicators of - and productivity 'hooks' for - nationally-consistent sustainability measures, and the differentiation of regional specificities if/as needed
PRODUCT INTEGRITY & SUPPLY CHAIN EFFICIENCY	SUPPLY CHAIN EFFICIENCY	OBJECTIVE MEASUREMENT	Market-ready objective live animal and carcass measurement technologies (for yield and quality), along with associated value-based payment systems
		SUPPLY CHAIN CONNECTIVITY	Commercially-validated feedback / feed-forward systems to link - and provide mutual benefits to - processors and breeders, and help inform supply and on-farm management decisions, respectively.
RD&E CAPABILITY & CAPACITY	EXTENSION STRATEGY	PROGRAM DELIVERY	Sector-wide focus on quality D&E (leading to A) with emphasis on: fewer, larger and better co-ordinated programs, increased end-user engagement, validation and measurement of results, collaboration and co-investment across RD&E providers, and fostering producer networks and grower groups activities.
	INDUSTRY ENGAGEMENT	RD&E CONSULTATION & PLANNING	Develop procedures and systems to strengthen the role and capability of SAMRC, NABRC and WALRC, focussing on greater utilisation of the RAC structure and enhanced collaboration across its members.