

## Technical reports from R&D contracts completed in the 2010-11 financial year

Completed contracts may produce final technical reports which form part of the raw material used to develop innovations ready for end-users. MLA's value-add is to build the technical information in final reports into useful innovations. These reports are made available on various MLA websites.

The following list contains technical R&D contracts completed within the 2010-11 financial year. A number of contracts of administrative, operational or capital related expenditure have not been included in this listing. All contracts under \$10, 000 have also been omitted from this listing. All contracts are linked to the relevant final report or associated material.

Additional contract information (Expenditure, start and finish dates and service provider) has also been included in the listing below.

For further information please email [reports@mla.com.au](mailto:reports@mla.com.au)

MLA AOP Objective	Project code	Project title	Actual \$	Start date	Finish date	Service provider
1.1	A.MFS.0222	<a href="#">Process risk models - continued development - 40857</a>	11,000	1/07/2010	30/06/2011	SARDI Climate Applications
1.1	A.MFS.0220	<a href="#">International Association for Food Protection (IAFP) conference and Danish Meat Research Institute</a>	13,041	25/06/2010	23/09/2010	The University of Tasmania
1.1	A.RBP.0007	<a href="#">Historical Review – Publication</a>	14,000	15/11/2010	15/06/2011	Joan Lloyd Consulting Pty Ltd
1.1	A.MFS.0180	<a href="#">Scientific Risk Management Panel Participation - Food Safety program 2009 - 2010</a>	16,068	1/07/2009	6/12/2010	Department of Trade & Investments
1.1	A.MFS.0199	<a href="#">ESAM analysis reporting service</a>	22,500	1/02/2010	30/03/2011	Primary Industries and Resources SA
1.1	A.MFS.0216	<a href="#">Practical Listeria Control Panel</a>	23,504	1/07/2010	30/06/2011	
1.1	A.MFS.0244	<a href="#">Challenge trials – Listeria</a>	27,000	1/12/2010	30/04/2011	University of Tasmania
1.1	A.GMO.0009	<a href="#">Meat and Livestock Gene Technology e-bulletin 2009-2010</a>	33,000	1/10/2009	30/09/2010	Agrifood Awareness Australia Ltd

1.1	P.PSH.0569	<a href="#">Validation of "Twin Oxide" product in achieving reductions for enteric pathogens (E. coli O157:H7) for calves</a>	52,792	13/05/2010	30/09/2010	CSIRO Accounts Receivable
1.1	A.MFS.0238	<a href="#">Microbial growth and communities of packed lamb shoulders</a>	64,400	15/01/2011	20/06/2011	SARDI Climate Applications
1.1	A.MFS.0219	<a href="#">Application of heat in post cook chillers as a means for Listeria Reduction in processed meat</a>	96,806	20/06/2010	6/12/2010	EML Consulting Services QLD Pty Ltd
1.1	A.MFS.0197	<a href="#">Epidemiological analysis of STEC and EHEC infection in Australia</a>	110,500	10/11/2009	15/05/2011	Australian National University
1.1	A.MFS.0194	<a href="#">Microbial communities in stored vacuum packed primals</a>	118,000	1/09/2009	15/06/2011	The University of Tasmania
1.1	A.MFS.0183	<a href="#">Technical Advisor for the Food Safety Research Program 2009/2010</a>	141,638	1/07/2009	30/11/2010	M&S Food Consultants Pty Ltd
1.3	W.LIV.0131	<a href="#">Linking pre-delivery factors to post-delivery performance (short haul)</a>	38,725	15/04/2009	30/09/2010	Ausvet Animal Health Services Pty
2.1	P.PIP.0237	<a href="#">SP1 - Dalriada Foods – New Generation Beef Meat Electronics, Small to Medium Processors Syndication</a>	13,598	1/09/2009	30/08/2010	Dalriada Foods Pty Ltd
2.1	B.SMQ.0058	<a href="#">Effects of feeding regimes on lamb meat flavour – sample collection and processing</a>	28,500	1/06/2011	29/06/2011	CSIRO Accounts Receivable
2.1	P.PIP.0246	<a href="#">SP5 - Goodchild Abattoir – New Generation Beef Meat Electronics, Small to Medium Processors Syndication</a>	51,409	1/10/2009	19/08/2010	Goodchild Abattoir Pty Ltd
2.1	P.PSH.0512	<a href="#">G2 Tenderometer benchmarking and adoption</a>	75,000	30/09/2009	30/04/2011	NSW Department t of Primary Industr
2.1	A.MQT.0039	<a href="#">Accelerated processing of sheep meat</a>	592,851	30/04/2007	30/06/2011	NSW Dept of Industry & Investment
2.1	A.MQT.0029	<a href="#">Optimising the abattoir component of the supply chain for red meat to increase processing efficiency, yield and quality. (SNGPI.029)</a>	919,000	1/04/2006	12/12/2010	Department of Primary IndustriesVIC

2.2	D.MHN.0023	<a href="#">Vitamin D in Australian lean red meat</a>	144,000	30/11/2007	31/12/2010	University Of Sydney
2.2	D.MHN.0009	<a href="#">Comparison of diets on weight loss and other indicators in young, obese women.</a>	260,121	25/04/2005	10/12/2010	University of Sydney
2.3	A.BIO.0036	<a href="#">Blood Processing Capability Analysis</a>	11,875	5/11/2010	17/01/2011	Kurrajong Meat Technology Pty Ltd
2.3	A.BIM.0028	<a href="#">Evaluation of synergies between MLA and Dairy Australia in bioactives / bioscience programs</a>	21,739	17/05/2010	3/02/2011	Food Innovation Partners Pty Ltd
2.3	A.MPC.0019	<a href="#">Leatherhead Bulletins 2010</a>	24,000	1/02/2010	30/03/2011	Leatherhead Food Research
2.3	A.COP.0065	<a href="#">Co-products Price Monitor 2009 -2010</a>	24,760	17/08/2009	28/07/2010	Kurrajong Meat Technology Pty Ltd
2.3	A.COP.0069	<a href="#">Co-products Price Monitor 2010-2011</a>	24,760	19/08/2010	30/06/2011	Kurrajong Meat Technology Pty Ltd
2.3	A.BIT.0010	<a href="#">Solvent free extraction and purification of bioactives</a>	26,500	1/05/2010	31/07/2010	Oisten Pty Limited
2.3	A.BIT.0011	<a href="#">Alternative Use of Hides - Literature and Patent Review</a>	28,800	20/06/2010	15/11/2010	Thricor Pty Ltd
2.3	A.MPT.0042	<a href="#">Determine Feasibility and Develop Process Protocol for Cold Set Binding Using Smart Shape Technology</a>	40,000	15/04/2011	10/06/2011	CSIRO Accounts Receivable
2.3	A.BIT.0016	<a href="#">Plasma and Blood Functionality Review</a>	49,750	25/11/2010	13/05/2011	CSIRO Accounts Receivable
2.3	A.MPT.0032	<a href="#">HPP concept product development trails</a>	49,895	1/11/2010	17/12/2010	CSIRO Accounts Receivable
2.3	A.COP.0067	<a href="#">Tallow Enhancement Process Investigation</a>	49,950	25/11/2010	22/04/2011	CSIRO Accounts Receivable
2.3	A.MPT.0038	<a href="#">Evaluation of the Potential for Sous-Vide Processing in the Red Meat Industry</a>	49,962	25/11/2010	3/04/2011	GHD Pty Limited
2.3	A.MPT.0027	<a href="#">Disintegration Technology Feasibility Trials of Beef Carcase Components</a>	51,116	11/05/2010	30/11/2010	Thricor Pty Ltd

2.3	A.MPT.0024	<a href="#">Part 2: Designer Enzyme Tenderisers</a>	135,167	1/10/2009	15/12/2010	University of Otago
2.3	P.PSH.0531	<a href="#">New products using pre-rigor beef</a>	459,356	2/11/2009	10/10/2010	Beak & Johnston Pty Ltd
2.3	A.MPT.0013	<a href="#">High Pressure Processing to improve meat tenderness</a>	715,884	1/03/2007	29/10/2010	Food Science Australia
3.1	B.COM.1047	<a href="#">Electronic Identification (EID) for the sheep industry in Australia</a>	15,571	6/09/2010	29/10/2010	Miracle Dog Pty Ltd
3.1	B.MBP.0042	<a href="#">Feed Demand Calculator Development</a>	19,500	1/01/2011	25/06/2011	CSIRO Accounts Receivable
3.1	B.PAS.0291	<a href="#">Improving the feed demand calculator</a>	27,500	28/02/2011	15/06/2011	GR and SL Saul
3.1	B.WEE.0401	<a href="#">Biological Control of Patersons Curse: Establishing nursery sites in regions with late and unreliable rainfall and training</a>	30,000	1/06/2007	20/07/2010	Australian Wool Innovation
3.1	B.PAS.0265	<a href="#">Developing supply chain capacity in pastures</a>	35,000	10/06/2010	15/12/2010	AbacusBio Limited
3.1	B.FLT.0141	<a href="#">Impact of ethanol mandate on sorghum prices in Queensland</a>	37,350	19/04/2010	13/08/2010	GHD Pty Limited
3.1	B.PAS.0285	<a href="#">External review of Tedera</a>	41,600	25/03/2011	30/05/2011	Allan Mayfield Consulting Pty Ltd
3.1	B.NBP.0624	<a href="#">Review of productivity decline in sown grass pastures</a>	42,215	1/03/2010	1/09/2010	Dept of Employment Economic Dev & I
3.1	B.PAS.0275	<a href="#">Feedbase investment plan coordination</a>	48,368	1/03/2011	15/06/2011	RPC Solutions
3.1	B.NBP.0496	<a href="#">High-output forage systems for meeting beef markets</a>	50,600	31/10/2009	30/09/2010	Dept of Employment Economic Dev & I
3.1	B.SGN.0130	<a href="#">The effect of telomere length variation on lifetime productivity traits in sheep</a>	65,000	15/06/2010	18/03/2011	Primary Industries and Resources SA
3.1	B.NBP.0623	<a href="#">Review of rumen manipulation options</a>	76,000	14/04/2010	31/10/2010	Strategic Bovine Services
3.1	B.PAS.0263	<a href="#">Regional testing of pasture varieties – auditing &amp; accreditation</a>	79,922	15/05/2010	28/04/2011	Pasturewise Pty Ltd
3.1	B.PAS.0269	<a href="#">Developing a southern feedbase strategy</a>	194,500	23/06/2010	28/02/2011	Mike Stephens & Associates Pty Ltd

3.1	B.SGN.0117	<a href="#">Red Meat Energetics Phase II - Understanding whole animal and tissue based energetics of prime lambs with divergent genetic merit for muscle development, fat and efficiency.</a>	224,863	1/12/2007	23/05/2011	Department of Primary IndustriesVIC
3.1	B.SGN.0113	<a href="#">Genetic Evaluation for Australian Sheep - Expanding the foundation</a>	1,081,982	15/06/2006	30/09/2010	Animal Genetics and Breeding Unit
3.2	A.TEC.0085	<a href="#">Specialist Computer Tomography Conference Berlin 2011</a>	20,040	1/06/2011	30/06/2011	Deformalyze ApS
3.2	A.TEC.0072	<a href="#">Automated Beef Back Boning – Conceptual design Phase 1A (RTL)</a>	24,612	15/09/2009	31/07/2010	Robotic Technologies Limited
3.2	P.PSH.0327	<a href="#">iMAC: International Meat Automation Conference.</a>	40,000	15/10/2007	30/11/2010	Food Automation Networking Limited
3.2	A.OHS.0056	<a href="#">9556B2: Automated Beef Evisceration Project – Stage 1 (Feasibility Study)</a>	81,028	15/03/2011	22/06/2011	Machinery Automation and Robotics
3.2	P.PSH.0468	<a href="#">PVE Robot System(s) 1yr Technology Support and Training</a>	90,698	15/10/2009	1/05/2011	Machinery Automation and Robotics
3.2	A.OHS.0054	<a href="#">Q Fever Register 10/11</a>	115,332	15/07/2010	30/06/2011	Ausvet Animal Health Services Pty
3.2	P.PSH.0509	<a href="#">MAR Red Meat Program Relationship Manager</a>	275,000	1/07/2009	30/08/2010	Machinery Automation and Robotics
3.2	P.PIP.0211	<a href="#">MAR9418Q2 – Castricum Bros Forequarter Robotic Vac San System</a>	303,556	1/05/2009	8/10/2010	Machinery Automation and Robotics
3.2	A.TEC.0075	<a href="#">9296Q3 – Automatic Tool for Robotic Evisceration – Proof of Concept</a>	320,000	16/01/2010	15/11/2010	Machinery Automation and Robotics
3.2	P.PIP.0254	<a href="#">JBS13 – Spray Chilling – Evaluation of the Effect of Spray Chilling in Preventing Chiller Yield Loss and Improving Boning Room Yield in Sheepmeat Processing</a>	381,863	1/07/2010	15/06/2011	JBS Australia Pty Limited

3.2	A.TEC.0071	<a href="#">Automated Beef Back Boning – Conceptual design Phase 1A (DMRI)</a>	403,746	1/10/2009	31/07/2010	Danish Technological Institute
3.2	P.PIP.0164	<a href="#">Robotic Beef Hock Cutting</a>	708,351	15/12/2007	15/07/2010	Machinery Automation and Robotics
3.2	P.PSH.0525	<a href="#">9495Q3 – 6 Way Cut Stage 2 and Carcass Split Trials</a>	787,751	18/10/2009	12/01/2011	Machinery Automation and Robotics
3.2	P.PIP.0261	<a href="#">9180Q4 – SWIFT Dinmore – Beef Rib Cutting System – STAGE 1</a>	799,215	7/06/2010	28/02/2011	Machinery Automation and Robotics
3.2	P.PSH.0510	<a href="#">Robotic Ovine Cutter – ROC 400 Scale Up</a>	820,044	1/09/2009	15/01/2011	Midfield Meat International
3.2	P.PSH.0520	<a href="#">LEAP V Single Cell automated bone-in Forequarter system</a>	952,929	1/08/2009	30/03/2011	Robotic Technologies Limited
3.2	P.PSH.0519	<a href="#">LEAP IV Single cell automated bone-in middle processing</a>	1,201,326	1/08/2009	30/03/2011	Robotic Technologies Limited
3.4	B.AHE.0048	<a href="#">Assess the efficacy of Buparvaquone</a>	29,952	30.06.2010	22/12/2010	Dept of Employment Economic Dev & I
3.4	B.AHE.0050	<a href="#">Cattle tick breed susceptibility: Innate susceptibility of various cattle breeds to tick fever disease caused by Babesia bovis and Anaplasma marginale</a>	53,600	1/08/2010	31/05/2011	Dept of Employment Economic Dev & I
3.4	B.AHE.0020	<a href="#">Fungal Biopesticide for Cattle Tick control</a>	93,706	15/02/2010	30/03/2011	Dept of Employment Economic Dev & I
3.4	B.FLT.0349	<a href="#">Feed choices: Cattle preference for feedlot or pasture environments.</a>	358,488	1/05/2009	31/05/2011	CSIRO Division of Livestock
3.4	B.AHW.0058	<a href="#">A coordinated approach to minimising the Impact of Annual Ryegrass Toxicity (ARGT) in Agriculture</a>	563,324	15.07.2004	27/07/2010	Department of Agriculture
4.1	A.ENV.0090	<a href="#">Environmental data analysis</a>	18,902	1/08/2010	30/06/2011	RB&RA BROOKS Pty Ltd
4.1	B.FLT.0351	<a href="#">Odour modelling workshop</a>	45,500	15/05/2011	30/06/2011	Feedlot Services Australia Pty Limi

4.1	B.ERM.0126	<a href="#">Funds for MASTER long term soil liming experiment</a>	50,000	15/06/2010	30/03/2011	Department of Trade & Investments
4.1	B.NBP.0538	<a href="#">Improved fire scar mapping for Queensland via the NAFI web site</a>	51,000	12/04/2010	31/03/2011	Charles Darwin University
4.1	B.WEE.0127	<a href="#">Developing whole farm Integrated Management programs for Unpalatable grasses</a>	68,000	15/03/2011	30/06/2011	Department of Primary Industries
4.1	B.WEE.0403	<a href="#">Pasture weed impact calculator scoping study</a>	69,200	10/01/2011	29/06/2011	University of New England
4.1	B.WEE.0140	<a href="#">Best Management Practice for Summer Perennial Weeds of Southern NSW</a>	120,000	15/04/2010	30/04/2011	Charles Sturt University
4.1	A.ENV.0086	<a href="#">Environmental Performance Review for 2010</a>	148,243	15/02/2010	15/06/2011	GHD Pty Limited
4.1	B.NBP.0379	<a href="#">Wambiana grazing trial extension: Testing and developing grazing principles and management guidelines for the seasonably variable tropical savannas</a>	186,000	15/03/2007	31/07/2010	Department of Primary Ind & Fisheri
4.1	B.NBP.0356	<a href="#">Pre-emptive eradication of weedy tropical forages</a>	230,790	15/03/2006	28/02/2011	Dept of Employment Economic Dev & I
4.1	B.NBP.0579	<a href="#">Enhancing adoption of improved grazing and fire management practices in northern Australia: Synthesis of research and identification of best bet management options</a>	234,500	1/02/2009	31/07/2010	CSIRO Accounts Receivable
4.1	B.NBP.0474	<a href="#">UAV Surveillance Systems for the Management of Woody Weed Infestations</a>	285,000	1/03/2008	1/11/2010	University of Sydney
4.1	B.NBP.0366	<a href="#">Bellyache bush and Parkinsonia biocontrol agents</a>	627,665	31/10/2006	1/08/2010	CSIRO Accounts Receivable
4.1	B.NBP.0578	<a href="#">Enhancing adoption of improved grazing and fire management practices in northern Australia: Bio-economic analysis of best bet management options</a>	692,262	1/02/2009	1/07/2010	Department of Primary Ind & Fisheri

4.1	B.FLT.0333	<a href="#">Management of Contaminants in Feedlot Waste: Development of realistic guidelines</a>	1,483,451	1/04/2006	30/05/2011	University of New South Wales
4.2	A.ENV.0113	<a href="#">Pilot Testing Pyrolysis Systems</a>	11,680	20/12/2010	21/02/2011	Black is Green Pty Ltd
4.2	A.ENV.0101	<a href="#">Waste to Energy: Alternative uses for paunch waste and DAF sludge</a>	15,580	1/08/2010	30/09/2010	Bridle Consulting
4.2	A.ENV.0111	<a href="#">Pilot Testing Pyrolysis Systems And Review Of Solid Waste Use In Boilers</a>	21,640	1/11/2010	4/03/2011	Bridle Consulting
4.2	A.ENV.0109	<a href="#">Roadmap to create knowledge centre for abattoir wastewater treatment</a>	35,459	12/11/2010	20/05/2011	Bridle Consulting
4.2	A.ENV.0102	<a href="#">Economic and Technical Potential for Cogeneration in Industry</a>	36,400	16/08/2010	25/10/2010	Colley Consulting Pty Limited
4.2	B.FLT.0361	<a href="#">Mass balance literature review.</a>	40,400	7/06/2010	31/07/2010	Feedlot Services Australia Pty Limi
4.2	A.ENV.0104	<a href="#">Options for Insulating Sites from Potential Electricity Price Increases</a>	41,600	16/08/2010	25/10/2010	Colley Consulting Pty Limited
4.2	A.ENV.0103	<a href="#">Energy Efficiency Opportunities and State Based Energy/GHG Programs report</a>	50,400	16/08/2010	14/03/2011	Colley Consulting Pty Limited
4.2	A.ENV.0096	<a href="#">Industry Preparedness for NGERS and CPRS</a>	54,670	26/10/2009	31/07/2010	Energetics Pty Ltd
4.2	A.ENV.0097	<a href="#">Technical Advisor to the Environment Program 10/11</a>	58,595	16/08/2010	30/06/2011	Johns Environmental
4.2	B.FLT.0348	<a href="#">Treatment technologies for feedlot effluent reuse</a>	120,190	15/06/2010	29/06/2011	FSA Consulting
4.3	B.AWW.0131	<a href="#">Year 2 QBA - Animal Welfare Objectives measures Research Program: Qualitative Behavioural Assessment as an integrated measure of welfare</a>	260,000	1/07/2008	31/12/2010	Murdoch University
4.3	B.AWW.0135	<a href="#">BCS - Animal Welfare Objective Measures Research Program - Validation of body condition score as a practical indicator of welfare in cattle</a>	394,330	1/07/2008	30/06/2011	CSIRO Accounts Receivable

5.1	A.PIA.0145	<a href="#">Processor Innovation Awards 2010</a>	11,500	5/03/2010	30/09/2010	Indigo Marketing and Communications
5.1	A.PIA.0146	<a href="#">OH&amp;S Innovation Awards 2010</a>	11,500	5/03/2010	11/11/2010	Indigo Marketing and Communications
5.1	A.PIA.0160	<a href="#">Technology and Environment Awards 2011</a>	12,500	15/02/2011	30/06/2011	Indigo Marketing and Communications
5.1	B.NBP.0599	<a href="#">Customising the Grazing Land Management Education Workshop to the Barkly Region of the Northern Territory</a>	15,000	1/05/2009	31/12/2010	Northern Territory of Australia
5.1	B.LSM.0017	<a href="#">Merino Challenge 2010-2012 – Meat Challenge - 2010</a>	15,037	31/08/2010	30/12/2010	Industry and Investment NSW
5.1	A.PIA.0158	<a href="#">iMAC, A 2011 – Conference organiser</a>	22,520	10/12/2010	12/03/2011	Business and Manufacturing
5.1	B.COM.1049	<a href="#">Market research for future development of the RPGOT</a>	33,300	13/09/2010	18/02/2011	Bureau of Rural Sciences
5.1	B.COM.0082	<a href="#">KPI Survey 2010</a>	71,270	15/06/2010	30/09/2010	Axiom Research Pty Ltd
5.2	A.MIN.0092	<a href="#">4.2.2.3 Vocational graduate certificate / diploma in agri-business</a>	32,660	1/07/2009	30/06/2011	MINTRAC
5.2	A.MIN.0098	<a href="#">EU Animal welfare capability</a>	34,839	1/01/2011	30/06/2011	MINTRAC
5.2	A.PIA.0131	<a href="#">Intercollegiate Meat Judging Competition</a>	200,000	1/07/2009	30/03/2011	Aust Intercollegiate Meat Judging
5.3	B.NBP.0504	<a href="#">PDS Charters Towers</a>	13,850	31/01/2008	31/12/2010	QLD Department of Primary Industr
5.3	B.PRS.0708	<a href="#">2007/V01 Improving Lamb Survival</a>	14,993	15/03/2008	27/06/2011	Glenthompson Bestwool Bestlamb
5.3	B.PRS.0089	<a href="#">2007/S04 - Optimizing Red Meat Productivity</a>	15,000	21/05/2007	17/12/2010	South East Prime Livestock Achiever
5.3	B.PRS.0705	<a href="#">2007/V02 - Sheepmeat Production Systems</a>	15,000	9/07/2007	13/10/2010	Central Highlands Agribusiness Foru

5.3	B.NBP.0490	<a href="#">PDS Mulga Lands - Bollon South West Queensland, - Demonstrating recovery of pasture productivity.</a>	20,000	1/03/2008	14/12/2010	Department of Primary Ind & Fisheri
5.3	B.NBP.0505	<a href="#">PDS Remote Water Management</a>	20,000	10/04/2008	1/03/2011	Department of Primary Ind & Fisheri
5.3	B.PDS.0904	<a href="#">Optimising animal health to improve pasture utilisation and productivity.</a>	30,000	14/02/2010	16/06/2011	University of Melbourne
5.3	B.PRS.0502	<a href="#">2005/N03 Dung Beetles and Internal Parasites of Sheep</a>	37,171	19/08/2005	19/07/2010	Granite Borders Landcare Committee Incorporated
5.3	A.MIN.0096	<a href="#">MINTRAC Environment Network</a>	66,643	1/09/2010	30/06/2011	MINTRAC
5.3	A.MIN.0097	<a href="#">MINTRAC Meat Inspection and Quality Assurance Network</a>	171,740	1/09/2010	30/06/2011	MINTRAC
5.4	G.POL.1101	<a href="#">Policy Research &amp; Analysis</a>	11,980	1/07/2010	30/06/2011	Australian Farm Institute Limited
3.2 / 4.1	A.ENV.0117	<a href="#">2011 Technology and Environment Conference</a>	13,810	20/04/2011	30/06/2011	Lehman & Associates Pty Ltd