

AgriFutures Chicken Meat Program - Environment related research

Project ID	Project Name	Principal Investigator	Research Organisation
PRJ-000226	"Piloting chicken litter usage in broadacre cropping: setting research direc"	Craddock, Tony	Rural Directions Pty Ltd
PRJ-005548	Poultry litter biochar soil responses	Wiedemann, Stephen	FSA Consulting
PRJ-006440	"Grower Options for Spent Litter Management - User Guide Development"	Wiedemann, Stephen	FSA Consulting
PRJ-003669	"Poultry litter: alternative fertiliser and ways to increase soil organic carbon"	Warn, Lisa	The University of Melbourne
PRJ-010332	"Analysis of innovative business models for improved chicken litter management"	Forde, Gareth	All Energy Pty Ltd
PRJ-011502	"Litter and Environment – BMPs and data to support production and industry growth"	Dunlop, Mark	QDAF
PRJ-011935	Risk assessment of alternative litter types	Wiedemann, Stephen	Integrity Ag and Environment Pty Ltd
PRJ-010655	Review of Fresh Litter Supply, Management and Spent Litter Utilisation	Wiedemann, Stephen	Integrity Ag Services Pty Ltd ATF Integrity Ag Services
PRJ-	Best practice manual for managing litter	Wiedemann, Stephen	Integrity Ag and Environment Pty Ltd
PRJ-010603	"Developing visual litter management extension resources for meat chicken growers"	Osmond, Rachele	QDAF

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Environmental impacts of poor litter			
PRJ-000596	Managing litter re-use for minimal nutrient runoff to surface water	Devereux, Jarl	"QLD Department of Employment, Economic Development and Innovation"
"PRJ-002342	Artificial Olfaction System for On-site Odour Measurement	Atzeni, Michael	QDAF
PRJ-010619	Summarised findings from Australian poultry odour research (2006-2017)	Atzeni, Michael	QDAF
Shed Environment			
PRJ-05038	Review of fan efficiency for meat chicken sheds	Dunlop, Mark	"Department of Employment, Economic Development and Innovation"
PRJ-008688	Reducing costs and energy by replacing inefficient ventilation fans	Brown, Grant	QDAF
PRJ-010598	Potential energy savings using direct-drive variable speed fans	Brown, Grant	QDAF
PRJ-010245	Effects of an in-shed sprinkler cooling system multiple parameters	Dunlop, Mark	QDAF

AgriFutures Chicken Meat Program – Nutrition related research

Project ID	Project Name	Principal Investigator	Research Organisation
Feed ingredients and processing			
PRJ-003799	Water holding capacity of grain as an indicator of broiler performance.	Selle, Peter	The University of Sydney
PRJ-002969	Development of a process to enhance uptake of pearl millet	Bryden, Wayne	The University of Queensland
PRJ-004799	Improving all-vegetable feed formulations for broiler chickens	Iji, Paul	University of New England
PRJ-002972	Evaluation of new high yielding Triticale lines for broilers	Trethowan, Richard	The University of Sydney
PRJ-009099	Whole grain feeding for chicken meat production	Selle, Peter	The University of Sydney
PRJ-003810	Steam pelleting temperature of sorghum-based broiler diets	Selle, Peter	The University of Sydney
PRJ-006194	Low ANF faba beans for chicken feed	Paull, Jeffrey	The University of Adelaide
PRJ-007639	Evaluation of sodium bisulphite in sorghum-based broiler diets	Selle, Peter	The University of Sydney
PRJ-010489	Survey and review of grain sorghum in chicken-meat production	Selle, Peter	The University of Sydney
PRJ-005882	Feed Grains R&D Partnership (starting in 2010/11)	Investigator, No Principal	Australian Pork Limited
PRJ-011564	Review of the Nutrient Content of Australian Feed Ingredients	Moss, Amy	University of New England
PRJ-010508	Review of AME bioassay for ingredient matrix values of poultry feed	Wu, Shubiao	University of New England

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Crude and Low Protein Diets, and supplementary Amino Acids			
PRJ-010623	Utilisation of synthetic amino acids by poultry	Selle, Peter	The University of Sydney
PRJ-010365	PhD-To investigate the effect of supplemental amino acids of broiler performance	Hilliar, Matthew	University of New England
PRJ-010220	Critical amino acids to improve gut health of chickens fed reduced protein diets	Barekatain, Reza	SARDI
PRJ-011520	Optimising amino acid profiles and energy in reduced-protein diets	Liu, Sonia	The University of Sydney
PRJ-011835	Age dependent energy and digestible amino acids of common Australian feedstuffs	Abdollahi, M. Reza	Massey University
PRJ-011541	Branched-chain amino acids in wheat-based, crude protein-reduced diets	Selle, Peter	The University of Sydney
Energy Availability			
PRJ-002973	Accurate, real-time description of available energy in cereal grains	Hughes, Bob	SARDI
PRJ-006708	Available phosphorus requirement of broilers	Li, Xiuhua	The University of Queensland
PRJ-006015	Dislocated calcium alimentation for broilers	Geist, Jo-Ann	The University of Sydney
PRJ-006063	Omega-3s and broiler heart health	James, Michael	The University of Adelaide
PRJ-003306	Implementation of a net energy system for the Australian chicken meat industry	Swick, Robert	University of New England

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PRJ-007583	Available and retainable phosphorus of feedstuffs for broilers	Li, Xiuhua	The University of Queensland
PRJ-007650	Optimization of Australian Protein Meals	Swick, Robert	University of New England
PRJ-008695	The factors influencing sorghum starch digestibility in broiler chickens	Selle, Peter	The University of Sydney
PRJ-009784	Improved broiler phosphorus utilization and transporter gene expression	Li, Xiuhua	The University of Queensland
PRJ-011549	The response of broilers to insoluble fibre and exogenous enzymes in low protein	Wu, Shubiao	University of New England
PRJ-011487	Economic impact of non-starch polysaccharides in broiler diets	Morgan, Natalie	University of New England
Technologies			
PRJ-005121	Evaluation of NIR-based diet formulations for broiler chickens	Hughes, Bob	SARDI
PRJ-008582	Enhancement of NIR calibrations for broiler chicken AME	Hughes, Bob	SARDI
PRJ-008868	Feed Grain Partnership - Regional Feed Grain Supply and Demand Update	Investigator, No Principal	Grains Research and Development Corporation
PRJ-008722	Dietary manipulation of nutrient-specific appetite in broiler chickens	Roura, Eugeni	The University of Queensland

AgriFutures Chicken Meat Program – Gut health related research

Project ID	Project Name	Principal Investigator	Research Organisation
PRJ-011008	Next generation probiotics to enhance the gut health of chickens	Moore, Robert	Royal Melbourne Institute of Technology
PRJ-010216	Formulating broiler diets based on protein and starch digestive dynamics	Liu, Sonia	The University of Sydney
PRJ-011908	Population level biomarkers of gut health in commercial flocks	Gerber, Priscilla	University of New England