

2023-24 RD&E EXPENDITURE COMMITTED at 14 June 2023

Investments forecast over \$50,000

INVESTMENT TITLE	INVESTMENT PARTNER	FORECAST EXPENDITURE IN 2023-24
A proof of concept for the proximal 3D sensing of plant available water capacity	The University of Queensland	\$107,916.00
Accelerated integration of physiology-based wheat traits within a commercial breeding programme	Australian Grain Technologies Pty Ltd	\$827,650.00
Accelerating the development of tools using satellite imagery and environmental data to identify optimum canola windrow timing	Department of Regional NSW	\$90,000.00
ACRCP Phase 5: Optimising genetic control of wheat rusts through development of RustHapSelect	CSIRO	\$581,514.00
ACRCP Phase 5: Optimising genetic control of wheat rusts through high value resistance gene combinations	University of Sydney	\$909,134.00
ACRCP Phase 5: Optimising genetic control of wheat rusts through high value resistance genes	CSIRO	\$792,596.00
ACRCP Phase 5: Optimising genetic control of wheat rusts through identification of gene editing targets for broad spectrum wheat rust control	CSIRO	\$575,820.00
ACRCP Phase 5: Optimising genetic control of wheat rusts through improved phenotyping	University of Sydney	\$437,850.00
ACRCP Website: Optimising genetic control of wheat rusts through improved access to knowledge	Digital Garden	\$106,010.00
Action learning on crop response to acid subsoil stratification and amelioration benefits	Charles Sturt University	\$52,487.75
AEGIC: Supply chain review	Australian Export Grains Innovation Centre Limited	\$199,633.00
Agri-Climate Outlooks	Agricultural Innovation Australia	\$1,559,862.00
Agronomic management of weeds, crop nutrition and farming practices in central west NSW to maximise crop profitability	Grain Orana Alliance Inc	\$379,800.00
Agronomic management of weeds, crop nutrition and farming practices in Northern NSW & Southern QLD to maximise crop profitability	Northern Grower Alliance Incorporated	\$650,400.00
Agronomic practices to maximise Peanut kernel quality and yield	Queensland Department of Agriculture and Fisheries	\$50,000.00
Analysing intrinsic heat response pathways to optimise thermal tolerance of wheat	The University of Adelaide	\$531,370.00
Analytics for the Australian Grains Industry (AAGI) Strategic Partnership	The University of Adelaide	\$3,480,050.00
Analytics for the Australian Grains Industry (AAGI) Strategic Partnership	The University of Queensland	\$2,163,680.00
Analytics for the Australian Grains Industry (AAGI) Strategic Partnership	Curtin University	\$1,869,764.00
ARC Research Hub for Sustainable Crop Protection	The University of Queensland	\$150,000.00
Assessment of on-farm performance and impact of technology adoption	CSIRO	\$330,000.00
Assessment of organic phosphorus sources	The University of Queensland	\$88,480.00
Australian Cereal Rust Control Program - Continued monitoring of cereal rust pathogens in Australia 2022-27	University of Sydney	\$472,865.66
Australian Export Grain Innovation Centre (AEGIC)	Australian Export Grains Innovation Centre Limited	\$3,000,000.00
Australian Fungicide Resistance Extension Network (AFREN 2)	Curtin University	\$300,000.00
Australian Grains Genebank Strategic Partnership 2022-2027	Department of Energy, Environment and Climate Action (DEECA)	\$2,800,000.00
Australian Herbicide Resistance Initiative - Phase 6	University of Western Australia	\$1,047,120.00
BCG - Geared for Growth	Birchip Cropping Group	\$309,154.80
Bench marking chickpea yield genetic gain	Department of Regional NSW	\$87,000.00
Bench marking faba bean yield genetic gain	The University of Adelaide	\$54,950.00
Better Sorghum through Gene Editing: larger grain with higher and more digestible protein (POC)	The University of Queensland	\$165,000.00
Better summer weed management decisions in southern and western Australia	CSIRO	\$91,835.00
Building and Maintaining the GRDC Data Catalogue	Elysium Digital Pty Ltd	\$115,376.64
Canola establishment in the low rainfall zones of the Western region	Living Farm Pty Ltd	\$128,050.00
Capturing global diversity and international genetic gains of wheat and barley: CAIGE 2022-26	University of Sydney	\$579,151.00
CCDM - Centre for Crop and Disease management	Curtin University	\$6,000,000.00
Changing the Game - Resilience to Seasonal Variations & Drought through Ag Tech	University of Southern Queensland	\$350,000.00
Chickpea Breeding Australia 2020-2025	Department of Regional NSW	\$2,000,000.00
Closing the Economic Yield Gap for Grain Legumes in Western Australia	Grower Group Alliance	\$560,000.00
Core classifications, operations and commodity councils' agreement	Grains Australia Limited	\$1,400,000.00
CropPhen: Remote mapping of grain crop type and phenology	The University of Queensland	\$270,691.00
Crown rot resistance and tolerance evaluation for genetic improvement	Australian Grain Technologies Pty Ltd	\$196,407.00
Data Catalogue Harvesting Extension	Elysium Digital Pty Ltd	\$436,965.48
Data Partnerships Initiative	Various suppliers	\$292,818.00
Data Partnerships Initiative: Federation University	Federation University of Australia (formerly University of Ballarat)	\$98,795.00
DEECA - National Grain Diagnostic & Surveillance Initiative (NGDSI)	Department of Energy, Environment and Climate Action (DEECA)	\$1,157,137.00
Determining the incidence of herbicide resistance in Australian grain cropping	Charles Sturt University	\$596,599.00
Developing a new high value noodle market for South Australian growers	The South Australian Grain Industry Fund	\$66,150.00
Developing genetic tools to facilitate breeder use and deployment of high value acid soils tolerant chickpea germplasm	Murdoch University	\$280,000.00
Developing strategies to mitigate and manage resistance to key herbicides	The University of Adelaide	\$458,832.00
Development and extension to close the economic yield gap and maximise farming systems benefits from grain legume production in NSW	Brill Ag	\$410,600.00
Development and extension to close the economic yield gap and maximise farming systems benefits from grain legume production in South Australia	The University of Adelaide	\$632,398.00
Development and extension to close the economic yield gap and maximise farming systems benefits from grain legume production in Victoria	Department of Energy, Environment and Climate Action (DEECA)	\$590,503.96
Development of methods to quantify root distribution, length and biomass using a machine learning approach based on X-ray tomography of intact field soil cores	University of South Australia	\$75,000.00
Disease epidemiology, modelling and delivery of management decision support tools	Department of Primary Industries and Regional Development	\$900,000.00

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Disease surveillance and related diagnostics for the Australian grains industry	Various providers	\$765,000.00
Durable resistance to Oat crown rust	CSIRO	\$450,000.00
Earth Observation (EO) analytics for site-specific disease management	Data Farming Pty Ltd	\$700,000.00
Earth Observation (EO) analytics for site-specific weed management	Data Farming Pty Ltd	\$700,000.00
Economics of Amelioration of Soil Sodicity	University of New England	\$522,750.00
Effective Control of Blackleg of Canola	Marcroft Grains Pathology Pty Ltd	\$476,746.00
Effective control of brome grass in the southern and western cropping zones	The University of Adelaide	\$422,440.00
Effective control of three corner jack (spiny emex) species in lentils in the mid and upper north of SA	The University of Adelaide	\$100,000.00
Effective fall armyworm pheromone blends for improved monitoring and population estimation in Australia	Horticulture Innovation Australia Limited	\$300,000.00
Effective virus management in grain crops (C3)	University of Western Australia	\$169,969.00
Enhancing frost tolerance and/or avoidance in wheat, barley and canola crops through in-season agronomic manipulation	Field Applied Research Australia Ltd	\$1,159,977.00
Enterprise choice and sequence strategies that drive sustainable and profitable southern Australian farming systems	The University of Adelaide	\$1,100,000.00
Epidemiology and management of Rhizoctonia in low and medium rainfall zones	Department of Primary Industries and Regional Development	\$1,231,651.52
Epidemiology of Septoria Tritici Blotch in the low and medium rainfall zones of the Southern region to inform IDM strategies.	Department of Energy, Environment and Climate Action (DEECA)	\$224,737.00
Epidemiology, economic thresholds and management of Ascochyta blight and Botrytis diseases in lentil and faba beans	Department of Jobs, Precincts and Regions	\$522,000.00
Establish Australian economic management thresholds for fall armyworm in maize for (rainfed and irrigated) and sorghum	Queensland Department of Agriculture and Fisheries	\$250,000.00
Expanding the capacity and capability of the OzBarley G2P Platform and accelerating its adoption	The University of Adelaide	\$145,000.00
Expansion of Soybean in high rainfall zones in Northern NSW	Department of Regional NSW	\$226,000.00
Expansion of Soybeans in high rainfall zones in Coastal QLD	Queensland Department of Agriculture and Fisheries	\$322,375.34
Fallow Management and the economic costs	Laconik	\$58,960.00
Frost and Heat Management Analytics	CSIRO	\$2,164,173.00
Frost SENSE: An integrated modelling framework to rapidly map the extent of stem and reproductive frost damage in wheat and barley	CSIRO	\$150,386.00
Future options for the control of RLEM in Australian grain crops	CESAR Pty Ltd	\$580,000.00
Geospatial analytics for variable rate application of pre-emergent herbicides	Syngenta Australia Pty Ltd	\$524,926.00
Grain Receivals Data Services 2021/22 to 2022/23	Kynetec Australia Pty Ltd	\$86,308.00
Grains Research Scholarships (GRS)	Various providers	\$504,360.25
GRDC / CRCNA Co-Funding Agreement	CRC For Developing Northern Australia Ltd	\$200,000.00
GRDC Branded Publications 2022-2024	Coretext	\$349,224.50
GRDC Grains Research Updates Western region	Grain Industry Association of Western Australia	\$802,487.00
GRDC Membership of the Primary Industries Education Foundation of Australia	Primary Industries Education Foundation Australia	\$61,650.00
GRDC Research Update Series - Northern region	Independent Consultants Australia Network Pty Ltd (ICAN Pty Ltd)	\$913,580.00
GRDC Research Update Series - Southern region	ORM Pty Ltd	\$772,167.00
GRDC Video and Podcast investment	Anvil Media Pty Ltd	\$359,338.09
GroundCover suite - editorial content and hardcover publications	Coretext	\$1,591,364.30
Grower driven strategies to maintain constant ground cover in Central Queensland	Queensland Department of Agriculture and Fisheries	\$91,000.00
Herbicide Innovation Partnership (HIP) - Phase 2	Bayer CropScience AG	\$9,000,000.00
Horizon Scholarship Program: 2023-25	AgriFutures Australia (RIRDC)	\$80,000.00
Hyper Yielding Crops	Field Applied Research Australia Ltd	\$1,340,133.00
Identifying and prioritising significant localised weeds of the northern grain region	The University of Queensland	\$65,062.00
Identifying potassium responsive soils and best practice application of K in the MRZ and HRZ of the Southern region	The University of Adelaide	\$68,000.00
Impact of root diseases on pulse crops in Northern and Southern regions	The University of Adelaide	\$479,109.00
Improved management of Rutherglen bug in the Northern Region	CSIRO	\$125,338.00
Improved surveillance and management options for mice in crops	CSIRO	\$392,483.00
Improving canola heat tolerance - a coordinated multidisciplinary approach	University of Western Australia	\$150,000.00
Improving farming systems efficiency in southern NSW	CSIRO	\$1,175,041.00
Improving major gene and quantitative (minor) resistance to blackleg disease of canola	University of Western Australia	\$581,349.00
Improving production of grower retained open pollinated canola seed using agronomic management to increase establishment in the MRZ and LRZ of the GRDC Northern region	Department of Regional NSW	\$100,000.00
Improving The Adaptation And Profitability Of High Value Pulses (Chickpea And Lentil) Across Australian Agroecological Zones	University of Tasmania	\$1,000,000.00
Improving the yield stability of lentil under elevated temperatures	Department of Energy, Environment and Climate Action (DEECA)	\$627,525.24
Improving wheat yield through increases in heat tolerance of leaf carbon exchange	Australian National University	\$581,284.00
Improving yield potential of lentils on acid soils in Australia	Department of Energy, Environment and Climate Action (DEECA)	\$489,282.00
Increased grower profitability on soils with sodicity and transient salinity in the eastern grain belt of the Western region	Department of Primary Industries and Regional Development	\$80,000.00
Increasing cereal yield potential through reduced floret abortion	The University of Adelaide	\$392,272.00
Increasing farming system profitability and longevity of benefits following soil amelioration	Department of Primary Industries and Regional Development	\$1,507,419.00
Increasing intrinsic heat tolerance of wheat through improved genetics in the source-sink relationship	Western Sydney University	\$474,724.00
Increasing profit from N, P and K fertiliser inputs into the evolving cropping sequences in the Western region	Murdoch University	\$120,371.10
Increasing the effectiveness of nitrogen fixation in pulses through improved rhizobial strains in the GRDC Western region	Murdoch University	\$55,000.00
Increasing wheat yield and yield stability through improved heat tolerance during grain filling	University of Sydney	\$661,004.00

INVESTMENT TITLE	INVESTMENT PARTNER	FORECAST EXPENDITURE IN 2023-24
Infrastructure grants - 2023	Various suppliers	\$10,544,126.75
Insecticide resistance in the green peach aphid: national surveillance, preparedness and implications for virus management	CESAR Pty Ltd	\$397,050.00
Integrated management of Fusarium crown rot in the Northern and Southern regions	Department of Regional NSW	\$535,835.00
Integrating long coleoptile wheat into Australian farming systems through an integrated understanding of genetics, management and environment	CSIRO	\$2,279,677.00
International Field Pea Pan-Genome Initiative - Leveraging Global Resources and Tools for Field Pea Improvement	Department of Energy, Environment and Climate Action (DEECA)	\$161,980.00
Introducing a new major effect gene for crown rot resistance into Australian wheat	CSIRO	\$319,150.00
Introgression of improved root lesion resistance from wild Cicer into elite chickpea germplasm	University of Southern Queensland	\$112,463.00
INVITA - A technology and analytics platform for improving variety selection	The University of Queensland	\$848,988.00
IPMforGrains, delivered by the National Pest Information Network	CESAR Pty Ltd	\$695,036.00
IYM23: Sorghum and other millet crops for human food applications	Queensland Department of Agriculture and Fisheries	\$125,000.00
Know and Show Project - Discovery and Pre-build	Agricultural Innovation Australia	\$250,000.00
Leveraging Existing International Germplasm to Deliver Improved Acid Soil Tolerance Chickpea for Australian Growers (GRDC/USA/Ethiopia Initiative)	UC Davis	\$200,000.00
Management of Rosinweed and Star of Bethlehem in Victoria's Mallee and Wimmera	Birchip Cropping Group	\$65,909.00
Management of spot form of net blotch in the low rainfall zones of Western Australia	Department of Primary Industries and Regional Development	\$175,000.00
Managing multiple and variable soil constraints to optimise soil amelioration in southern Australia	Department of Energy, Environment and Climate Action (DEECA)	\$337,382.00
Managing sclerotinia in oilseed and pulse crops in Northern and Southern farming systems	Department of Regional NSW	\$775,008.00
Manipulation of stomata to increase yield potential in wheat (IWYP collaboration)	The University of Adelaide	\$50,000.00
Mapping yield gap and yield variability in commercial pulse crops	University of Sydney	\$60,862.00
Matching adapted pulse genotypes with soil and climate to maximise yield and profit, with manageable risk in Australian cropping systems.	CSIRO	\$1,926,526.00
Maximising the uptake of phosphorus by crops to optimise profit in central and Southern NSW, Victoria and South Australia	Department of Regional NSW	\$236,069.00
Measuring the effects on wheat grain protein and dough characteristics following legumes	Charles Sturt University	\$84,000.00
More effective control of pest snails in Australian grain crops	The University of Adelaide	\$700,000.00
Mouse pathogen profiling - the role of disease in regulating population dynamics	CSIRO	\$60,216.00
National Field Pea Breeding Program	Department of Energy, Environment and Climate Action (DEECA)	\$542,700.00
National Grain Farm Performance Monitoring - Understanding geographic and enterprise differences and the underlying profit drivers	Farmanco Management Consultants Pty Ltd	\$830,415.00
National Lentil Breeding Program	Department of Energy, Environment and Climate Action (DEECA)	\$3,000,000.00
National Milling Oats Breeding Program	InterGrain Pty Ltd	\$500,000.00
National Mungbean Improvement Program 2022-2026	Queensland Department of Agriculture and Fisheries	\$767,132.00
National Phenology Initiative - Phase 2 - Next Gen Flowering Calculators	CSIRO	\$338,684.00
National resistance monitoring and management of stored grain pests	Queensland Department of Agriculture and Fisheries	\$400,000.00
National Risk Management Initiative (NRMI)	Various suppliers	\$3,335,248.80
National Variety Trials program 2020-2023	Various suppliers	\$4,545,110.70
National Vetch Breeding Program	The University of Adelaide	\$520,654.00
Next Generation Machine Learning models for 3D soil-mapping applications	University of Sydney	\$953,762.00
NGN - Deep phosphorus: Research validation, economic viability and extension in South West Qld	Queensland Department of Agriculture and Fisheries	\$50,000.00
NGN - Determining optimal potassium levels and management options for the West Midlands regions	West Midlands Group	\$81,474.00
NGN - GRDC Grower Network - Coordination and facilitation services for Southern NSW	Rural Management Strategies Pty Limited	\$218,500.00
NGN - GRDC Grower Network - Coordination and facilitation services for the Southern Region	AgCommunicators Pty Ltd	\$364,900.18
NGN - GRDC Grower Network - Coordination of Grower Forums in the Western region	Rural Edge Australia	\$216,437.40
NGN - GRDC Grower Network: Coordination and facilitation services for Central NSW	Grain Orana Alliance Inc	\$128,360.50
NGN - Growing summer active legumes for winter nitrogen in the HFZ	Stirlings to Coast Farmers	\$105,432.00
NGN - Management of barley lodging on the Darling Downs using plant growth regulators	Censeo Field and Lab Pty Ltd	\$73,846.00
NGN - Management strategies for wheat powdery mildew in southern NSW - Validation and extension	Field Applied Research Australia Ltd	\$50,000.00
NGN - Maximising the profitability of fallow	Laconik	\$117,403.00
NGN - Raising the bar on crop nutrition in Northern NSW	Outlook Ag Pty Ltd	\$109,900.00
NGN - Seasonal management of disease complexes in a variable climate for the Southern Vic Mallee	Birchip Cropping Group	\$100,000.00
NGN - Tackling compaction, hard-setting and non-wetting on sandy soils on the upper Yorke Peninsula	Trengove Consulting Trust	\$94,969.00
NGN - Understanding the nitrogen contribution of chickpea in Queensland using the natural abundance technique	Queensland Department of Agriculture and Fisheries	\$140,000.00
NGN - Understanding wheat variety by disease management interactions in the Gippsland sub-region	Gippsland Agricultural Group	\$60,000.00
NGN - Updating acidification rates, lime recommendations and extension aids to overcome soil acidity constraints to crop production in the southern region	The University of Adelaide	\$533,000.00
NGN - Validation and extension of management strategies for wheat powdery mildew	Trengove Consulting Trust	\$79,580.00
NGN - Vetch agronomy for the lower Vic Mallee	Birchip Cropping Group	\$98,753.00
NGN Barley management options to close the yield gap and reduce pre-harvest losses	Field Applied Research Australia Ltd	\$95,000.00

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NGN Comparing barley yield gap and pre-harvest losses under water limiting and non-water limiting conditions	Field Applied Research Australia Ltd	\$55,000.00
NGN Comparison of nitrogen based demand and banking strategies to aid N decision making in SE NSW	FarmLink Research Limited	\$60,000.00
NGN GRDC Northern Region Industry Spray Day Initiative	Independent Consultants Australia Network Pty Ltd (ICAN Pty Ltd)	\$134,075.00
NGN Lime response on acid, low rainfall, sandy soils of southwestern NSW	Ag Grow Agronomy Research Pty Ltd	\$50,000.00
NGN Maximising the benefit of early sowing barley and wheat cultivars in low rainfall & high temperature environments	Field Applied Research Australia Ltd	\$105,000.00
NGN Optimising soil amelioration costs in typical Mallee soils	Mallee Sustainable Farming Inc	\$54,000.00
NGN Tactics to minimise frost damage on the Eyre Peninsula	Agricultural Innovation & Research Eyre Peninsula Inc	\$92,500.00
NGN Validating the use of plant growth regulators to manage excessive growth in barley in Northern region warm growing environments	AMPS Research	\$111,000.00
NGN Validation of organic fertiliser sources for crop nutrition in NE Victoria	Riverine Plains Inc	\$70,000.00
NGN: Demonstrating effective management of late summer/early autumn germinating marshmallow (Malva parviflora) in southern Western Australia	Tarwonga Pty Ltd	\$80,000.00
NGN: Furthering grower knowledge and understanding of the scientifically unidentified 'Dongara weevil'	Department of Primary Industries and Regional Development	\$83,260.00
NGN: Guidance for spreading mouse bait to improve efficacy and maintain bait integrity	The Trustee for BM & VL White Family Trust	\$99,815.00
NGN: Investigation of seeding system soil throw and pre-emergent options to control blue lupin establishment and growth in narrow-leaf lupin	Kalyx Australia Pty Ltd	\$137,000.00
NGN-Lentil check discussion groups to maximise profitability of lentil production in the Upper Eyre Peninsula	The University of Adelaide	\$80,000.00
Northern Farming Systems - Integrating research solutions for improving profitability in summer dominated rainfall systems	Queensland Department of Agriculture and Fisheries	\$1,390,717.00
Novel HTP phenomics tech to assess yield components in canola: Feasibility study	PhenoKey	\$50,000.00
Novel suppression and resistance management of invertebrate pests	The University of Melbourne	\$1,324,999.00
NSW Grains Biosecurity and Molecular Biology Uplift	Department of Regional NSW	\$1,650,000.00
Nuffield Australia Farming Scholarship Program 2022 - 2024	Nuffield Australia Farming Scholars	\$106,000.00
NVT Pathology Services Agreement	Various suppliers	\$1,610,632.27
Oat Quality - Program 1: Accelerating the development of an accurate and cost effective high-throughput measurement method for key oat quality characteristics	InterGrain Pty Ltd	\$110,000.00
On-farm grain storage - development and extension to support best practice management	Primary Business	\$767,600.00
On-farm operations optimisation	Verge Technologies Australia Pty Ltd	\$800,000.00
Operations Funding of Grains Australia and its industry good activities and services associated with its objects	Grains Australia Limited	\$2,000,000.00
Optimising Canola Production in Diverse Australian Growing Environments	CSIRO	\$50,000.00
Optimising genetic control of oat phenology for Australia	CSIRO	\$100,000.00
Optimising mungbean yield in the northern region - Mungbean Physiology	The University of Queensland	\$99,763.00
Options to increase soil organic carbon in grain production systems	CSIRO	\$550,000.00
Overcoming constraints to the profitability of cropping systems on ironstone gravel soils within the Southern cropping region of Australia (Phase 2)	Murdoch University	\$250,000.00
Pathways to Registration Minor Use (2022-25)	AKC Consulting Pty Ltd	\$205,000.00
Portable Vehicle Decontamination Kits for Servicing GRDC Field Trials	Living Farm Pty Ltd	\$66,215.00
Post-doctoral Fellowship - Enhancing Genomic Prediction for Sorghum to deal with genotype-by-environment interactions for yield	The University of Queensland	\$100,000.00
Post-Doctoral Fellowship: High-throughput quantitative analysis of flowering dynamics and canopy structure in Canola germplasm using image analysis and deep learning methods	CSIRO	\$76,204.00
Precision ag analytics for frost and heat management	University of Sydney	\$431,340.00
Precision fertiliser decisions in a tight economic climate	SPAA - Society of Precision Agriculture Australia	\$59,041.00
Predicting nitrogen cycling and losses in Australian cropping systems - augmenting measurements to enhance modelling	The University of Queensland	\$3,157,000.00
Predicting wheat production and development in high yield potential environments	Field Applied Research Australia Ltd	\$700,000.00
Preserving Australia's Rhizobial Collections to Benefit the Australian Grain Industry	Murdoch University	\$114,284.70
Program 1: Towards effective genetic and sustainable management of Ascochyta blight of chickpea - Ascochyta blight pathogen biology, population dynamics and epidemiology.	Griffith University	\$300,000.00
Program 2 - Towards effective genetic and sustainable management of Ascochyta blight of Chickpea	International Centre for Agriculture Research in Dry Areas (ICARDA)	\$327,285.00
Program 3: Towards effective genetic and sustainable management of Ascochyta blight of Chickpea - Identification and characterisation of novel sources of AB resistance in elite cultivars and wild relatives of chickpea	The University of Adelaide	\$500,830.00
Program 4 - Towards Effective Control of Blackleg of Canola: Phenotyping for Adult Plant Resistance (APR - Quantitative Resistance) in canola	CSIRO	\$100,000.00
Program 4: Towards effective genetic and sustainable management of Ascochyta blight of Chickpea - Accurate, effective, cheaper and rapid high-throughput method for qualitative and quantitative evaluation for AB genetic resistance	Department of Energy, Environment and Climate Action (DEECA)	\$230,000.00
Program 5: IDM package for Ascochyta Blight in chickpeas	CSIRO	\$225,000.00
Program 5: Integrated management strategies for Net Form Net Blotch in low, medium and high rainfall zones	Queensland Department of Agriculture and Fisheries	\$816,000.00
Proof of concept assessment of wheat genetic modifications and their impact on yield potential	The University of Adelaide	\$118,783.00
Proof-of-concept validation of chickpea heat tolerance within ARC LSA Hub germplasm	University of Sydney	\$98,415.00
Pulse Breeding Australia: Faba Bean Breeding	The University of Adelaide	\$1,095,000.00
Quantifying fertiliser phosphorus use efficiency in Vertosols across the Northern Region	The University of Queensland	\$408,800.00
Quantifying the diversity and abundance of pest and beneficial invertebrates associated with harvest weed-seed controlled systems in southern Australia	The University of Adelaide	\$135,000.00

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Quantifying the yield risk of planting CMV infected lentil seed in the Southern region	Department of Energy, Environment and Climate Action (DEECA)	\$108,391.51
Reducing lodging risk in sorghum to increase grower confidence and profitability	The University of Queensland	\$417,776.00
Reducing risks to canola establishment through an integrated understanding of genetics, management and environment	CSIRO	\$1,539,880.00
Re-engineering soils to improve the access of crop root systems to water and nutrients stored in the subsoil	Department of Primary Industries and Regional Development	\$2,159,160.00
Regional demonstration of integrated weed tactics across farming systems	Cotton Research and Development Corporation	\$263,000.00
Regional Harvester Set-Up Workshops for the economic optimisation of harvest losses, efficiency and grain quality	Primary Sales Australia Pty Ltd	\$481,831.00
Residue Field Studies - Clopyralid Herbicide Tolerant (CT) Lentil	Eurofins Agrosience Services Pty Ltd	\$50,457.00
Sclerotinia management for narrow leaf lupin crops in Western Australian farming systems	Department of Primary Industries and Regional Development	\$397,201.00
Soil Constraints West Steering Committee	Callum John Wesley	\$50,200.00
Soil Science Challenge: Engineering novel amendments for regenerating soil carbon without the greenhouse gas implications of nitrogen fertiliser	The University of New South Wales	\$75,000.00
SoilWaterNow: Soil water nowcasting for the grains industry	University of Sydney	\$87,349.00
Stubble residue management for optimising canola establishment in the Wimmera	Department of Energy, Environment and Climate Action (DEECA)	\$88,239.00
Supporting RD&E Projects Agreement	Grains Australia Limited	\$1,000,000.00
Synchrotron Postdoctoral Fellow no. 2: Soil - nutrient availability mapping under field conditions using intact soil cores	University of South Australia	\$100,000.00
Synchrotron Postdoctoral Fellow no. 3: Soil - organic matter fractionation using intact soil cores	The University of Queensland	\$50,000.00
Synchrotron Postdoctoral Fellow no. 4: Plants - Novel foliar fertilisers and nutrition trait diversity of grains	Murdoch University	\$120,000.00
Synthesis of data to optimise yield potential of barley in Australian farming systems	Charles Sturt University	\$300,000.00
Technical report based on a market analysis recommending approaches for tillage and seeder machinery innovations	Colere Group Pty Ltd	\$75,000.00
Technical support with project negotiations and investment analyses in precision agriculture	Dr Rachel Melland	\$72,284.40
The impact of GRDC research on the socio - economic resilience of rural and regional communities	Regional Australia Institute	\$153,860.85
The WA Stubble Story: Investigating alternative stubble systems for cropping systems in the Western region	The Liebe Group Incorporated	\$161,000.00
Understanding mouse biology and ecology in zero and no-till cropping systems to inform best practice crop production and mouse management practices	CSIRO	\$131,420.00
Understanding the distribution, damage, and potential management options of the faba bean aphid (Megoura crassicauda) in Victoria and Southern NSW	CESAR Pty Ltd	\$105,000.00
Understanding the Impacts of waterlogging on barley, canola and fababean	University of Tasmania	\$821,000.00
Understanding the pesticide effects on soil microbial functions in contrasting SA soils	The South Australian Grain Industry Fund	\$69,991.00
Unlocking yield potential of Durum in the South East of South Australia	Southern Australia Durum Growers Association Inc	\$75,085.00
Using data analysis to increase attainable canola yield across Australia	CSIRO	\$200,000.00
Validation and extension of farming system sequences to maximize WUE in low rainfall sandy soils of South West NSW	Grain Orana Alliance Inc	\$84,375.00
Validation of grain quality assessment and portable technologies	Department of Energy, Environment and Climate Action (DEECA)	\$150,000.00
WAARC: Summer sown aerial seeded pasture legume development for Western Australia	Murdoch University	\$774,000.00
WeedSmart 2020-2023	University of Western Australia	\$350,000.00
Western Australian Farming Systems	Department of Primary Industries and Regional Development	\$1,275,000.00