

GRDC Investments over \$50,000 in 2023-24

Investment title	Investment partner	Expenditure
PILLAR: HARNESS EXISTING POTENTIAL		
Optimising canola production in diverse Australian growing environments	CSIRO	\$50,000.00
Barley Net Blotch Consortium Program 1 - Monitoring and screening: Monitoring of Net Blotch populations for new virulences of industry significance	The University of Adelaide	\$525,000.00
Barley Net Blotch Consortium Program 2 - Resistance sources: using 'fast-stack' to develop effective durable net blotch resistance gene stacks	The University of Queensland	\$150,000.00
Barley Net Blotch Consortium Program 3 - Micro-phenotyping: Digital phenotyping for enhanced disease resistance outcomes	La Trobe University	\$1,148,479.00
Barley Net Blotch Consortium Program 4 - In-field high throughput phenotyping of Net Blotch in barley	The University of Adelaide	\$288,822.00
Barley Net Blotch Consortium Program 5 - Integrated management strategies for Net Form Net Blotch in low, medium, and high rainfall zones	Queensland Department of Agriculture and Fisheries	\$716,000.00
Oat Septoria Research Consortium Program 1 - Accelerating transfer of oat septoria resistant sources to Australian oat breeders	The University of Adelaide	\$150,000.00
Oat Septoria Research Consortium Program 3 - Neutralising oat sensitivity loci corresponding to targets of oat septoria fungal effectors	Curtin University	\$90,000.00
Proof of concept for the proximal 3D sensing of plant available water capacity	The University of Queensland	\$107,916.00
Accelerating the development of tools using satellite imagery and environmental data to identify optimum canola windrow timing	NSW Department of Primary Industries and Regional Development	\$60,000.00
Australian Cereal Rust Control Program Phase 5: Optimising genetic control of wheat rusts through development of RustHapSelect	CSIRO	\$581,514.00
Australian Cereal Rust Control Program Phase 5: Optimising genetic control of wheat rusts through high value resistance gene combinations	University of Sydney	\$909,134.00
Australian Cereal Rust Control Program Phase 5: Optimising genetic control of wheat rusts through high value resistance genes	CSIRO	\$792,596.00
Australian Cereal Rust Control Program Phase 5: Optimising genetic control of wheat rusts through identification of gene editing targets for broad spectrum wheat rust control	CSIRO	\$575,820.00
Australian Cereal Rust Control Program Phase 5: Optimising genetic control of wheat rusts through improved phenotyping	University of Sydney	\$553,124.00
Australian Cereal Rust Control Program Website: Optimising genetic control of wheat rusts through improved access to knowledge	Digital Garden	\$99,345.00
Advancing genetic solutions for crop protection in Australian wheat: identifying novel resistance genes to Septoria tritici blotch	NSW Department of Primary Industries and Regional Development	\$617,469.00
Advancing genetic solutions for crop protection in Australian wheat: identifying optimal combinations of APR resistance genes to Septoria tritici blotch (STB)	NSW Department of Primary Industries and Regional Development	\$361,554.00
Agri-Climate Outlooks	Agricultural Innovation Australia	\$779,931.00
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	\$448,170.00
Initial analysis of the levels of plant available silicon in the western region	Murdoch University	\$50,000.00
ARC Research Hub for Sustainable Crop Protection	The University of Queensland	\$150,000.00
NRMI Nitrogen Decisions Project	Agricultural Innovation & Research Eyre Peninsula Inc	\$215,036.00
NRMI Nitrogen Decisions Project	Birchip Cropping Group	\$307,911.00
NRMI Nitrogen Decisions Project	Charles Sturt University	\$430,399.00
NRMI Nitrogen Decisions Project	Grower Group Alliance	\$503,491.00
NRMI Nitrogen Decisions Project	Hart Field Site Group Inc	\$250,735.80
NRMI Nitrogen Decisions Project	Queensland Department of Agriculture and Fisheries	\$351,048.00
NRMI Enterprise Agronomic Decisions Project	Hart Field Site Group Inc	\$167,157.20
NRMI Enterprise Agronomic Decisions Project	Agricultural Innovation & Research Eyre Peninsula Inc	\$151,755.00
NRMI Enterprise Agronomic Disease Management Decisions	Birchip Cropping Group	\$108,114.00
NRMI Enterprise Agronomic Lime and Learn Decisions	Charles Sturt University	\$66,000.00
NRMI Enterprise Agronomic Phosphorus Decisions y	Charles Sturt University	\$56,000.00
NRMI Enterprise Agronomic Sowing Decision Project	Grower Group Alliance	\$101,745.00
NRMI Enterprise Agronomic Sowing Decisions	Queensland Department of Agriculture and Fisheries	\$76,697.00
NRMI Enterprise Agronomic, Challenging Decisions	Birchip Cropping Group	\$307,912.00
NRMI Enterprise Financial Decisions	Birchip Cropping Group	\$407,912.00
NRMI Enterprise Financial Decisions	Charles Sturt University	\$200,000.00
NRMI Enterprise Financial Decisions	Grower Group Alliance	\$305,248.00
NRMI Natural Resource Management soil capability	Queensland Department of Agriculture and Fisheries	\$227,711.00
Assessing the ecological and economic benefits of controlling aphid pests of canola with parasitoid wasps	CESAR Pty. Ltd	\$368,442.72
Assessment of dsRNA to control blackleg of canola	The University of Queensland	\$365,214.00
Australian Cereal Rust Control Program - continued monitoring of cereal rust pathogens in Australia 2022-2027	University of Sydney	\$472,865.66
Australian Fungicide Resistance Extension Network (AFREN 2)	Curtin University	\$300,000.00
Australian Herbicide Resistance Initiative - Phase 6	University of Western Australia	\$1,047,120.00
Benchmarking chickpea yield genetic gain	NSW Department of Primary Industries and Regional	\$87,000.00
Benchmarking faba bean yield genetic gain	The University of Adelaide	\$54,950.00
Best practice liming demonstration to address subsoil acidity in North Eastern Victoria	Riverine Plains Inc	\$65,562.00
Cereal rust isolate categorisation proof-of-concept	CSIRO	\$81,352.00
Changing the game - Resilience to seasonal variations & drought through ag tech	University of Southern Queensland	\$350,000.00
Chickpea Breeding Australia 2020-2025	NSW Department of Primary Industries and Regional	\$2,842,392.00
Closing the economic yield gap for grain legumes in Western Australia	Grower Group Alliance	\$440,000.00
Common seed bulk-up: 2020-2024	Various	\$642,695.03
Consultancy to develop weeds RD&E strategic gap and opportunities paper	Colere Group Pty Ltd	\$92,192.10
Consultative report on the changing ecology and biology for key weed species impacting Australian grains due to climate and soil factors	La Trobe University	\$50,000.00
Crown rot resistance and tolerance evaluation for genetic improvement	Australian Grain Technologies Pty Ltd	\$196,407.00
Centre for Crop and Disease management	Curtin University	\$6,000,000.00
National Grain Diagnostic & Surveillance Initiative (NGDSI)	Department of Agriculture, Fisheries and Forestry	\$700,000.00
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 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 New South Wales	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 and extension to realise the system benefits and economic potential of mungbean in northern farming systems	Censeo Field and Lab Pty Ltd	\$415,000.00
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	\$85,000.00
Disease epidemiology, modelling and delivery of management decision support tools	Department of Primary Industries and Regional Development	\$950,000.00
Disease surveillance and related diagnostics for the Australian grains industry (NSW)	NSW Department of Primary Industries and Regional	\$350,000.00
Disease surveillance and related diagnostics for the Australian grains industry (western region)	Department of Primary Industries and Regional Development	\$84,380.00
Disease surveillance and related diagnostics for the Australian grains industry (northern region)	Queensland Department of Agriculture and Fisheries	\$138,131.00
Disease surveillance and related diagnostics for the Australian grains industry (southern region - South Australia)	The University of Adelaide	\$89,323.00
Disease surveillance and related diagnostics for the Australian grains industry (southern region - Victoria)	Department of Energy, Environment and Climate Action (DEECA)	\$103,166.00
Dissecting the molecular basis of disease and resistance to Septoria tritici blotch	Australian National University	\$223,021.00
National Grains Diagnostic and Surveillance Initiative (NGDSI)	Department of Primary Industries and Regional Development	\$1,818,470.00
Durable resistance to oat crown rust	CSIRO	\$450,000.00
Economic impact of root lesion nematodes in mungbean	University of Southern Queensland	\$105,000.00
Economics of amelioration of soil sodicity	University of New England	\$522,750.00
Effective control of blackleg of canola	Marcroft Grains Pathology Pty Ltd	\$488,746.00
Effective control of blackleg of canola: phenotyping	CSIRO	\$449,654.00
Effective control of brome grass in the southern and western cropping zones	The University of Adelaide	\$422,440.00
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	Department of Primary Industries and Regional Development	\$2,105,723.00
Effective virus management in grain crops	The University of Queensland	\$235,581.00
Effective virus management in grain crops	University of Western Australia	\$169,969.00
Enhanced efficiency nitrogen fertilisers in the grains industry: an opportunity to reduce GHG emissions and increase Nitrogen Use Efficiency (NUE)	The University of Melbourne	\$746,713.00
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	\$1,301,651.52
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)	\$179,464.00
Epidemiology, economic thresholds and management of Ascochyta blight and botrytis diseases in lentil and faba beans	Department of Energy, Environment and Climate Action (DEECA)	\$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	\$125,000.00
Expansion of soybean in high rainfall zones in northern NSW	NSW Department of Primary Industries and Regional	\$226,000.00
Expansion of soybeans in high rainfall zones in coastal QLD	Queensland Department of Agriculture and Fisheries	\$322,375.34
Fertiliser recommendations for grain legumes in western region with limited production area	Living Farm Pty Ltd	\$308,000.00
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
Genetic initiative to transform symbiotic nitrogen fixation in Australian pulse crops	The University of Queensland	\$607,940.00
Geospatial analytics to predict the impact of residual herbicides on establishment and yield	NSW Department of Primary Industries and Regional Development	\$714,975.00
Grower driven strategies to maintain constant ground cover in Central Queensland	Queensland Department of Agriculture and Fisheries	\$100,000.00
Herbicide Innovation Partnership phase 2	Bayer CropScience AG	\$9,000,000.00
Hyper Profitable Crops - cereal paddock benchmarking and innovation groups	Field Applied Research Australia Ltd	\$250,000.00
Hyper yielding and profitable Cereals - Quantifying the economic impact of management practices for wheat and barley in medium and low rainfall zones of the southern region	CSIRO	\$240,000.00
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
Impact of Foot and Mouth disease on grains value chain	Ausvet Pty Ltd	\$121,000.00
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	\$207,797.00
Improved surveillance and management options for mice in crops	CSIRO	\$392,483.00
Improving farming systems efficiency in southern NSW	CSIRO	\$1,570,041.00
Improving major gene and quantitative (minor) resistance to blackleg disease of canola	University of Western Australia	\$581,349.00
Improving physiological understanding and crop yield of early sown wheat genotypes under constrained environments	The University of Melbourne	\$450,000.00
Improving production of grower retained open pollinated canola seed using agronomic management to increase establishment in the MRZ and LRZ of the northern region	NSW Department of Primary Industries and Regional Development	\$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 understanding and the effectiveness of N fixation in pulses in Australia	The University of Adelaide	\$1,143,412.00
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 canola yield potential on acidic soils	NSW Department of Primary Industries and Regional	\$263,456.00
Increasing farming system profitability and longevity of benefits following soil amelioration	Department of Primary Industries and Regional Development	\$1,826,948.00
Increasing profit from N, P and K fertiliser inputs into the evolving cropping sequences in the Western Region	Murdoch University	\$120,371.10
Increasing stable lupin productivity through enhanced disease resistances	Department of Primary Industries and Regional Development	\$741,000.00
Increasing the effectiveness of nitrogen fixation in pulses through improved rhizobial strains in the western region	Murdoch University	\$55,000.00
Independent review of the Australian Herbicide Resistance Initiative	Innokas Intellectual Service	\$80,000.00
Informed weed management strategies for emerging weeds based on biological and ecological knowledge of bulton grass, Indian hedge mustard, prickly lettuce, fleabane and wireweed	The University of Queensland	\$701,391.00
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	NSW Department of Primary Industries and Regional	\$489,235.00

Integrating long coleoptile wheat into Australian farming systems through an integrated understanding of genetics, management and environment	CSIRO	\$2,312,501.00
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
Leveraging existing international germplasm to deliver improved acid soil tolerance chickpea for Australian growers (GRDC/USA/Ethiopia Initiative)	UC Davis	\$50,000.00
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	NSW Department of Primary Industries and Regional Development	\$775,008.00
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	NSW Department of Primary Industries and Regional Development	\$293,626.50
Minimising damage of invertebrate pests in canola through a better understanding of the impact of beneficial insects	CSIRO	\$1,622,982.00
Modelling the incursion and spread of hitchhiker and windborne plant pests in Australia	The University of Melbourne	\$297,354.00
More effective control of pest snails in Australian grain crops	The University of Adelaide	\$911,778.00
Mouse pathogen profiling – the role of disease in regulating population dynamics	CSIRO	\$60,216.00
MU: Calcium requirements of Australian pest snails and the impact of liming	Murdoch University	\$133,870.00
National Farming Systems forum for research collaboration and technical reviews	INDEPENDENT CONSULTANTS AUSTRALIA NETWORK PTY. LIMITED(ICAN Pty Ltd)	\$98,457.70
National field pea breeding program	Department of Energy, Environment and Climate Action (DEECA)	\$542,700.00
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 soybean breeding program 2017 - 2021	CSIRO	\$167,500.00
National Variety Trials 2024-2028 Winter crops	Various	\$4,032,388.62
National Variety Trials 2020-2024	Various	\$3,943,319.11
National vetch breeding program	The University of Adelaide	\$580,654.00
New metrics to quantify biological function and resilience in soils	CSIRO	\$400,198.00
Next generation Machine Learning models for 3D soil-mapping applications	University of Sydney	\$953,762.00
Next-gen multi-layer analytics to improve profit from integrated weed management	University of Western Australia	\$1,067,846.00
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 pest suppression in grains and vegetables: preparing the grain and vegetable industries for a future without broad-spectrum insecticides	The University of Melbourne	\$200,000.00
Novel suppression and resistance management of invertebrate pests	The University of Melbourne	\$1,391,317.00
NRMI coordination & science leadership	CSIRO	\$384,887.00
NRMI analytics & modelling	CSIRO	\$508,715.00
NRMI behavioural science	CSIRO	\$281,281.00
National Grains Diagnostic & Surveillance Initiative (NGDSI)	NSW Department of Primary Industries and Regional Development	\$1,215,220.00
NSW seasonal status of pests and diseases delivered to growers	NSW Department of Primary Industries and Regional Development	\$65,311.00
NVT services	Various	\$531,000.00
NVT Pathology Services	Various	\$1,556,214.09
Optimizing slug management: enhancing capacity and capability through population modelling and innovative management strategies	The University of Adelaide	\$480,135.00
Outsmarting fungal pathogens by preventing host recognition	The University of Adelaide	\$125,000.00
Overcoming constraints to the profitability of cropping systems on ironstone gravel soils within the southern cropping region of Australia phase 2	Murdoch University	\$230,000.00
Pathways to Registration Minor Use (2022 to 2025)	AKC Consulting Pty Ltd	\$139,262.87
Plant Biosecurity Research Initiative (PBRI) - Phase 3	Horticulture Innovation Australia Limited	\$70,940.63
Pollination attribution in grain crops particularly canola	University of Southern Queensland	\$134,052.00
Precision ag analytics for frost and heat management	University of Sydney	\$431,340.00
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 grains industry	Murdoch University	\$114,284.70
Profitable vetch - agronomy, breeding and market development	The South Australian Grain Industry Fund	\$85,513.00
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)	\$277,285.00
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
Progressing fleabane weed biocontrol solutions for the Australian grains industry	CSIRO	\$160,000.00
Proof of concept - Oscillatory tillage in broad acre agriculture	University of South Australia	\$135,009.00
National Grain Diagnostics & Surveillance Initiative (NGDSI)	Queensland Department of Agriculture and Fisheries	\$120,000.00
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
Quantifying the economic impact of weeds on the Australian grain and cotton cropping systems investment	CSIRO	\$222,784.00
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 risks to canola establishment through an integrated understanding of genetics, management, and environment	CSIRO	\$1,539,880.00

Regenerative Agriculture: understanding the intent, practices, the benefits and disbenefits	Southern Cross University	\$225,061.00
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	\$554,723.00
Residue and efficacy field studies with clothianidin (Sumitomo Shield Insecticide) in summer pulses	Sumitomo Chemical Australia Pty Limited	\$110,000.00
Resistance surveillance for sustainable management of Helicoverpa and fall armyworm in grains	NSW Department of Primary Industries and Regional Development	\$259,800.00
Sandy Soils II: Management to sustain production potential in the low to medium rainfall environments of the southern cropping region	CSIRO	\$1,200,000.00
Sclerotinia management for narrow leaf lupin crops in Western Australian farming systems	Department of Primary Industries and Regional Development	\$397,201.00
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
Sorghum National Variety Trials 2021-2024	Various	\$306,143.48
Synchrotron Postdoctoral Fellow no. 4: Plants - Novel foliar fertilisers and nutrition trait diversity of grains	Murdoch University	\$100,000.00
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
The value of climate information for risky decision-making in grain production - underused or oversold?	SA Research and Development Institute	\$140,000.00
The WA stubble story: investigating alternative stubble systems for cropping systems in the western region	The Liebe Group Incorporated	\$157,000.00
Towards developing improved resistance to BGM in chickpea and lentil	Curtin University	\$299,968.00
National Grains Diagnostic and Surveillance Initiative (NGDSI): National surveillance system for Karnal bunt	The University of Adelaide	\$308,174.00
Calcium requirements of Australian pest snails and the impact of liming	The University of Adelaide	\$75,794.00
Pulse Breeding Australia: Faba bean breeding	The University of Adelaide	\$1,595,000.00
Understanding crop development and yield responses to mitigate high soil strength in Australian soils	The University of Queensland	\$967,018.00
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	CESARO 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
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
Updating exotic priority threat tables and the Grains Industry Biosecurity Plan	Plant Health Australia	\$52,563.20
Innovative crop weed control for northern region cropping systems	University of Sydney	\$200,000.00
Validation and extension of farming system sequences to maximise WUE in low rainfall sandy soils of South West NSW	Grain Orana Alliance Inc	\$84,375.00
Valuing N reserves in low rainfall northern Victorian Mallee settings	Birchip Cropping Group	\$60,000.00
WAARC: Innovative management approaches to maximise the use of legume crops in reducing the reliance on fertiliser N in WA cropping systems	CSIRO	\$733,002.00
WAARC: Summer sown aerial seeded pasture legume development for Western Australia	Murdoch University	\$789,000.00
WeedSmart 2020-2025	University of Western Australia	\$350,000.00
Western Australian Farming Systems	Department of Primary Industries and Regional Development	\$1,275,000.00
Wheat Powdery Mildew - residue studies in support of new fungicide registration	Eurofins Agrosience Services Pty Ltd	\$150,880.00
Whole farm integrated nutrient management: analysis	The Trustee for PLUSKE FAMILY TRUST	\$141,000.00
		\$130,485,764.84
PILLAR: REACH NEW FRONTIERS		
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
SoilWaterNow: Soil water nowcasting for the grains industry	University of Sydney	\$87,349.00
CropPhen: Remote mapping of grain crop type and phenology	The University of Queensland	\$270,691.00
Improving canola heat tolerance - a coordinated multidisciplinary approach	University of Western Australia	\$150,000.00
Increasing return on investment from canola seed through improved establishment - Program 1	CSIRO	\$101,535.00
Manipulation of stomata to increase yield potential in wheat (IWYP collaboration)	The University of Adelaide	\$50,000.00
Synchrotron Postdoctoral Fellow no. 1: Soil - root interactions using intact field soil cores	The University of Queensland	\$50,000.00
Synchrotron Postdoctoral Fellow no. 2: Soil - nutrient availability mapping under field conditions using intact soil cores	University of South Australia	\$100,000.00
Optimising genetic control of oat phenology for Australia	CSIRO	\$50,000.00
Accelerated integration of physiology-based wheat traits within a commercial breeding programme	Australian Grain Technologies Pty Ltd	\$827,650.00
Increasing wheat yield and yield stability through improved heat tolerance during grain filling	University of Sydney	\$661,004.00
Reducing lodging risk in sorghum to increase grower confidence and profitability	The University of Queensland	\$417,776.00
Capturing global diversity and international genetic gains of wheat and barley: CAIGE 2022-2026	University of Sydney	\$579,151.00
Proof-of-concept validation of chickpea heat tolerance within ARC LSA Hub germplasm	University of Sydney	\$98,415.00
International Field Pea Pan-Genome Initiative: leveraging global resources and tools for field pea improvement	Department of Energy, Environment and Climate Action (DEECA)	\$71,485.00
Improving the yield stability of lentil under elevated temperatures	Department of Energy, Environment and Climate Action (DEECA)	\$627,525.24
Using data analysis to increase attainable canola yield across Australia	CSIRO	\$200,000.00
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
Proof of concept assessment of wheat genetic modifications and their impact on yield potential	The University of Adelaide	\$118,783.00
Increasing cereal yield potential through reduced floret abortion	The University of Adelaide	\$392,272.00
Expediting the delivery to industry of a novel method of eliminating Late Maturity alpha-amylase in wheat	CSIRO	\$73,973.00
Analysing intrinsic heat response pathways to optimise thermal tolerance of wheat	The University of Adelaide	\$531,370.00
Increasing intrinsic heat tolerance of wheat through improved genetics in the source-sink relationship	Western Sydney University	\$474,724.00
Novel HTP phenomics tech to assess yield components in canola: Feasibility study	PhenoKey	\$50,000.00
Improving wheat yield through increases in heat tolerance of leaf carbon exchange	Australian National University	\$581,284.00

Developing genetic tools to facilitate breeder use and deployment of high value acid soils tolerant chickpea germplasm	Murdoch University	\$280,000.00
Developing new genetic approaches to decreasing the reproductive frost sensitivity of wheat	CSIRO	\$1,026,213.00
Developing metabolite and lipid biomarkers to select for reduced frost sensitivity in wheat	CSIRO	\$731,119.00
Determining the effect of wheat morphological and anatomical traits on frost susceptibility of wheat	CSIRO	\$572,232.00
On-farm operations optimisation	Verge Technologies Australia Pty Ltd	\$1,100,000.00
Scaling commercial technology for disease spore trapping	BioScout Pty Ltd	\$700,000.00
Accelerating development and deployment of long-hypocotyl canola to improve establishment	CSIRO	\$712,398.00
Earth Observation (EO) analytics for site-specific weed management	Data Farming Pty Ltd	\$800,000.00
Earth Observation (EO) analytics for site-specific disease management	Data Farming Pty Ltd	\$800,000.00
Geospatial analytics for variable rate application of pre-emergent herbicides	Syngenta Australia Pty Ltd	\$524,926.00
Technical development of autonomous non-chemical weed control technologies for Australian broadacre cropping	Advanced Agricultural Systems Pty Ltd T/A SwarmFarm	\$850,000.00
Weed scripts: Technology for low-cost, flexible site-specific weed management of post-emergent weeds	Bayer CropScience Pty Ltd	\$1,443,760.00
Unlocking Soil Potential Strategic Partnership Agreement	NSW Department of Primary Industries and Regional Development	\$1,250,000.00
Fast tracking the delivery of improved chilling tolerance chickpea for Australian growers	Department of Primary Industries and Regional Development	\$993,239.00
Technical support with project negotiations and investment analyses in precision agriculture	Dr Rachel Melland	\$73,111.40
Development and testing of a sprayable biodegradable (SBM) product for Australian broadacre crop production	CSIRO	\$275,000.00
Enabling site-specific herbicide application in-crop via boom-sprays	Nufarm Australia Limited	\$600,000.00
Proof of concept to explore epidermal flavonoids as high throughput phenotype markers for heat tolerance in wheat	NSW Department of Primary Industries and Regional Development	\$138,500.00
Expanding phenological diversity in narrow-leaved lupin using novel flowering time genes	University of Western Australia	\$50,000.00
Potential for cold plasma treatment of seed in broadacre cropping	Murdoch University	\$65,075.00
Increasing wheat nitrogen use efficiency through improved genetics	Murdoch University	\$157,162.00
Automated in-furrow soil moisture sensing and seed depth adjustment machine	Sensortine Pty Ltd	\$435,047.60
Evaluation of biodegradable mulch film in spring planting of sorghum and maize	Censeo Field and Lab Pty Ltd	\$50,000.00
Grain Automate Program 1 National Coordination Role	AgriStart Pty Ltd	\$325,500.00
Validation and deployment of novel genomic regions from wild barley to enhance grain yield and yield components in domesticated barley	The University of Adelaide	\$82,583.00
Fast tracking deployment of chickpea heat tolerance to develop chickpea varieties with improved high temperature tolerance	The University of Queensland	\$182,059.00
Real-time, machine vision VRT and grain cart automation validation	University of Southern Queensland	\$280,000.00
Implementing the ATLAS technology stack in Australia to fast-track interoperability	AgriCircle AG	\$200,000.00
Intelligent system for minimising harvest losses	AgCulture Pty Ltd	\$150,000.00
The 'Autonomous Agronomist'	Data Farming Pty Ltd	\$160,000.00
Achieving improved genetic gain for yield in chickpea, faba bean and lentil using genetic diversity	Murdoch University	\$635,304.00
Root structure and function traits: Overcoming the root phenotyping bottleneck in cereals	The University of Queensland	\$463,564.00
AccelTrait Plus: Predicting physiological traits for breeding programs with UAV hyperspectral imagery	CSIRO	\$199,818.00
Validation of targeted genetic improvements in yield potential and water use efficiency in wheat	The University of Adelaide	\$117,652.00
Development of new genetic sources for canola heat tolerance	University of Western Australia	\$135,000.00
Expert consultancy - Opportunities in synthetic biology to drive new production frontiers in the Australian grains industry	Betzner Consulting Pty Ltd	\$125,199.94
Grain Automate Program 1: Analytics to support peer to peer learning and community acceptance of machine autonomy	CSIRO	\$200,000.00
Grain Automate Program 1: Developing capability, awareness, and preparedness for autonomy among growers	SPAA - Society of Precision Agriculture Australia	\$350,000.00
Grain Automate Program 1: Proof of concept for an Autonomous Working Farm: connectivity, robots, and machinery	Connected Farms Pty Ltd	\$887,044.00
GRDC/DPIRD Soils Constraints phase 2 program review	Erik Schmidt	\$50,000.00
		\$28,055,631.18
PILLAR: GROW MARKETS & CAPTURE VALUE		
Australian Export Grain Innovation Centre (AEGIC)	Australian Export Grains Innovation Centre Limited	\$750,000.00
LMA Project B - A novel high-throughput, low-cost test to determine cause of starch damage in wheat grain	Department of Energy, Environment and Climate Action (DEECA)	\$207,477.00
On-farm grain storage - development and extension to support best practice management	Primary Business	\$767,600.00
Operations unding of Grains Australia and its industry good activities and services associated with its objects	Grains Australia Limited	\$4,250,000.00
Developing a new high value noodle market for South Australian growers	The South Australian Grain Industry Fund	\$66,150.00
Residue Field Studies - Clopyralid Herbicide Tolerant (CT) Lentil	Eurofins Agrosience Services Pty Ltd	\$57,571.00
National resistance monitoring and management of stored grain pests	Queensland Department of Agriculture and Fisheries	\$400,000.00
Core classifications, operations and commodity councils' agreement	Grains Australia Limited	\$1,400,000.00
Supporting RD&E projects	Grains Australia Limited	\$1,000,000.00
Validation of grain quality assessment and portable technologies	Department of Energy, Environment and Climate Action (DEECA)	\$150,000.00
Measuring the effects on wheat grain protein and dough characteristics following legumes	Charles Sturt University	\$84,000.00
AEGIC: Supply chain review	Australian Export Grains Innovation Centre Limited	\$199,633.00
Better sorghum through gene editing: larger grain with higher and more digestible protein	The University of Queensland	\$125,000.00
Oat Grain Quality Consortium 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
IYM23: Sorghum and other millet crops for human food applications	Queensland Department of Agriculture and Fisheries	\$125,000.00
Improving industry response to white grain disorder and fusarium head blight outbreaks while protecting export markets (SAGIT UAD 03023)	The South Australian Grain Industry Fund	\$84,102.00
Oat Grain Quality Consortium - Program 3: Modulating grain oil content of oats to improve suitability for milling and food/beverage ingredient development	The University of Adelaide	\$300,000.00
Oat Grain Quality Consortium - Program 2: Discovery of desirable aroma and flavour compounds for oat food/beverage applications	InterGrain Pty Ltd	\$100,000.00
Capitalising on pulse protein food and feed opportunities domestically and internationally	Department of Energy, Environment and Climate Action (DEECA)	\$2,200,000.00

Proof of concept for real-time detection of mycotoxins in grain using hyperspectral imagery	Queensland Department of Agriculture and Fisheries	\$140,000.00
Novel approach to determining temperature effects on wheat protein composition and quality attributes	University of Western Australia	\$478,255.00
Updating grains sector greenhouse gas accounting and lifecycle assessments	CSIRO	\$185,000.00
Barley multi-malter pilot	Australian Export Grains Innovation Centre Limited	\$366,071.00
Program 1: Enhancing the nutritional quality of narrow-leafed lupin by reducing anti-nutritional seed alkaloid levels	Murdoch University	\$356,479.00
Program 2: Enhancing the agronomic and nutritive value of narrow-leafed lupin by reducing seed coat thickness and increasing protein content.	CSIRO	\$127,468.00
Trailblazer Food and Beverage Accelerator - associate agreement	The University of Queensland	\$300,000.00
Expert consultancy - non-celiac wheat sensitivity (NCWS) market opportunity and technical gap analysis	Murdoch University	\$75,313.00
		\$14,405,119.00
PILLAR: THRIVE FOR FUTURE GENERATIONS		
Nuffield Australia Farming Scholarship Program 2022-2024	Nuffield Australia Farming Scholars	\$106,000.00
Know and Show Project :discovery and pre-build	Agricultural Innovation Australia	\$225,000.00
Options to increase soil organic carbon in grain production systems	CSIRO	\$550,000.00
GRDC/ CRCNA Co-funding agreement	CRC for Developing Northern Australia	\$200,000.00
Assessing the potential of engineered microbial communities to reduce nitrous oxide (N2O) emissions from agricultural soils	The University of Queensland	\$70,000.00
Ecosystem services - markets and opportunities for Australian grain growers	Aton Consulting Pty Ltd	\$191,948.42
Developing methodologies for crop and farm level alignment with Australian Sustainability Frameworks	The University of Queensland	\$190,000.00
Study tour: investigating maize production practices and technologies in the US	AgNVet	\$50,000.00
GRDC Farm Business Updates - national coordination, monitoring & evaluation, in-depth topic development and quality assurance	ORM Pty Ltd	\$512,468.00
Quantifying greenhouse gas emissions from the decomposition of crop residue	Queensland University of Technology	\$650,564.00
Australian Rural Leadership Program 2024	Australian Rural Leadership Foundation Ltd	\$110,000.00
Joint-RDC Community Trust Program:grains focal study	VoconIQ	\$85,500.00
Quantifying the current and future costs of adherence to the International Sustainability and Carbon Certification scheme and alternative national certification programs to meet market requirements but deliver additional grower and industry benefit	L.E.K. Consulting Australia Pty Ltd	\$260,000.00
Rural Safety & Health Alliance, Ag Safety Data Net	AgriFutures Australia (RIRDC)	\$75,000.00
Grains materiality study	GrainGrowers Limited	\$50,000.00
Follow on research and analysis: quantifying the current and future costs of adherence to the ISCC scheme and alternative national certification programs	L.E.K. Consulting Australia Pty Ltd	\$60,000.00
		\$3,386,480.42
FOUNDATIONAL ENABLER:KNOWLEDGE TRANSFER & ADOPTION		
GRDC Research Update Series: southern region	ORM Pty Ltd	\$850,013.70
GRDC Research Update Series: northern region	INDEPENDENT CONSULTANTS AUSTRALIA NETWORK PTY. LIMIT	\$913,580.00
GRDC Grains Research Updates: western region	Grain Industry Association of Western Australia	\$691,280.00
NGN Grower Network - Coordination and facilitation services for southern NSW	Rural Management Strategies Pty Limited	\$180,030.00
NGN Grower Network: Coordination and facilitation services for central NSW	Grain Orana Alliance Inc	\$89,347.12
NGN Grower Network - Coordination and facilitation services for the southern region	AgCommunicators Pty Ltd	\$322,655.55
GRDC video and podcast	Anvil Media Pty Ltd	\$301,652.42
GroundCover suite - editorial content and hardcover publications	Coretext Pty Ltd	\$1,396,024.81
NGN Agronomic practices to maximise Peanut kernel quality and yield	Queensland Department of Agriculture and Fisheries	\$100,000.00
NGN - Management of Rosinweed and Star of Bethlehem in Victoria's Mallee and Wimmera	Birchip Cropping Group	\$65,909.00
GRDC branded publications 2022-2024	Coretext Pty Ltd	\$348,772.00
NGN Winter wheat agronomy for grain growers in the western region	Croppportunity Pty Ltd ATF The Window of Opportunity Trust	\$55,916.00
NGN Northern region industry spray day initiative	INDEPENDENT CONSULTANTS AUSTRALIA NETWORK PTY. LIMIT	\$134,075.00
NGN: Increasing capacity and capability for mouse surveillance and management in the Western Australian grains industry	Farmanco Management Consultants Pty Ltd	\$58,000.00
NGN - Canola establishment in the low rainfall zones of the western region	Living Farm Pty Ltd	\$128,050.00
NGN Assessment of organic phosphorus sources	The University of Queensland	\$109,890.00
NGN Action learning on crop response to acid subsoil stratification and amelioration benefits	Charles Sturt University	\$52,487.75
NGN Mapping yield gap and yield variability in commercial pulse crops	University of Sydney	\$60,862.00
NGN 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
NGN Tactics to minimise frost damage on the Eyre Peninsula	Agricultural Innovation & Research Eyre Peninsula Inc	\$92,500.00
NGN Better summer weed management decisions in southern and western Australia	CSIRO	\$91,835.00
NGN Precision fertiliser decisions in a tight economic climate	SPAA - Society of Precision Agriculture Australia	\$59,041.00
NGN Validation and extension of management strategies for wheat powdery mildew	Trengove Consulting Pty Ltd	\$79,580.00
NGN Fallow Management and the economic costs	Laconik	\$58,960.00
NGN Stubble residue management for optimising canola establishment in the Wimmera	Department of Energy, Environment and Climate Action (DEECA)	\$88,239.00
NGN N banking strategies to manage variable and unpredictable nitrogen demand in the MRZ of the southern region	Birchip Cropping Group	\$80,000.00
NGN N banking strategies to manage variable and unpredictable nitrogen demand in the LRZ of the southern region	Birchip Cropping Group	\$115,000.00
NGN Barley management options to close the yield gap and reduce pre-harvest losses	Field Applied Research Australia Ltd	\$95,000.00
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 Comparison of nitrogen based demand and banking strategies to aid N decision making in SE NSW	FarmLink Research Limited	\$60,000.00
NGN Lime response on acid, low rainfall, sandy soils of south western 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 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 Validation of organic fertiliser sources for crop nutrition in NE Victoria	Riverine Plains Inc	\$60,000.00
NGN Grower Network - Coordination of grower forums in the western region	Rural Edge Australia	\$121,688.69
NGN Furthering grower knowledge and understanding of the scientifically unidentified 'Dongara weevil'	Department of Primary Industries and Regional Development	\$83,260.00
NGN Demonstrating effective management of late summer/early autumn germinating marshmallow (Malva parviflora) in southern Western Australia	Tarwonga Pty Ltd	\$80,000.00

NGN 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 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 Guidance for spreading mouse bait to improve efficacy and maintain bait integrity	The Trustee for BM & VL White Family Trust	\$139,196.75
NGN Effective control of three corner jack (spiny emex) species in lentils in the mid and upper north of SA	The University of Adelaide	\$120,000.00
NGN Growing summer active legumes for winter nitrogen in the HRZ	Stirlings to Coast Farmers	\$104,432.00
NGN Impact of stripper front and straw length on harvest efficiency, summer weed control, soil moisture retention and pest populations in the Upper Eyre Peninsula	The University of Adelaide	\$80,000.00
NGN Lentil check discussion groups to maximise profitability of lentil production in the Upper Eyre Peninsula	The University of Adelaide	\$80,000.00
NGN Seasonal management of disease complexes in a variable climate for the southern Vic Mallee	Birchip Cropping Group	\$100,000.00
NGN Deep phosphorus: research validation, economic viability and extension in South West Qld	Queensland Department of Agriculture and Fisheries	\$50,000.00
NGN Management of barley lodging on the Darling Downs using plant growth regulators	Censeo Field and Lab Pty Ltd	\$73,846.00
NGN Determining optimal potassium levels and management options for the West Midlands regions	West Midlands Group	\$81,474.00
NGN Understanding the nitrogen contribution of chickpea in Queensland using the natural abundance technique	Queensland Department of Agriculture and Fisheries	\$140,000.00
NGN Vetch agronomy for the lower Vic Mallee	Birchip Cropping Group	\$98,753.00
NGN Tackling compaction, hard-setting and non-wetting on sandy soils on the upper Yorke Peninsula	Trengove Consulting Pty Ltd	\$94,969.00
NGN Understanding wheat variety by disease management interactions in the Gippsland sub-region	Gippsland Agricultural Group	\$60,000.00
NGN Demonstration and extension of ryegrass control strategies in north east Victoria	Riverine Plains Inc	\$147,218.00
NGN Raising the bar on crop nutrition in northern NSW	Outlook Ag Pty Ltd	\$109,900.00
NGN Increasing sorghum area in north west NSW through understanding and adoption of early sown sorghum principles	NSW Department of Primary Industries and Regional Development	\$360,000.00
NGN Investigating late winter to early spring cereal cropping opportunities for grain growers following autumn waterlogging - south Western Australia	Stirlings to Coast Farmers	\$229,897.00
NGN Upskilling early career agronomists	Crop Consultants Australia Incorporated	\$92,800.00
NGN Understanding the long term residual benefit of deep placed P in south west and central Queensland	Queensland Department of Agriculture and Fisheries	\$125,000.00
NGN Evaluating new pigeonpea genetics in south west Qld	Queensland Department of Agriculture and Fisheries	\$80,000.00
GRDC 2023-28 RD&E Plan awareness raising	Redhanded Creative Pty Ltd	\$52,130.00
NGN Identifying agronomic best practices for pigeonpea in south west Qld	Woods Seeds Pty Ltd	\$78,000.00
NGN - Increased sorghum yield and reliability in South West QLD through optimising crop establishment and fertiliser strategy	MCA Agronomy Pty Ltd	\$130,000.00
NGN Understanding herbicide behaviour workshops	INDEPENDENT CONSULTANTS AUSTRALIA NETWORK PTY. LIMIT	\$90,000.00
NGN Communications support 2023-2024	AgCommunicators Pty Ltd	\$69,000.00
NGN - Very early season annual ryegrass on lower Eyre Peninsula: interactions between physiology, herbicide resistance and efficacy	Plant Science Consulting P/L	\$100,000.00
NGN GRDC In conversation podcast series 2023-25	Humans of Agriculture	\$93,394.87
NGN Improving returns from fertiliser nitrogen applications in the high rainfall zone of Victoria	Southern Farming Systems (SFS)	\$50,000.00
NGN Scoping the correlation between stubble management for subsurface acidity and Fusarium crown rot in cereal crops of the Riverine Plains	Riverine Plains Inc	\$95,000.00
NGN Improving irrigated grain production using facilitated action learning groups	Irrigation Farmers Network Inc	\$150,000.00
Digital Strategy - CRM Officer	Michael Page International (Aus) Pty Ltd	\$100,952.10
Digital Strategy - Digital Manager	Michael Page International (Aus) Pty Ltd	\$177,201.38
NGN Optimised crop establishment through seeder set up in the Victorian Wimmera	Birchip Cropping Group	\$60,000.00
NVT Crop Sowing Guides 2024-2025: design, print and distribute	Coretext Pty Ltd	\$99,365.00
NGN Demonstration of summer fallow weed management strategies to reduce input costs in soils of the Wentworth region	Mallee Sustainable Farming Inc	\$56,250.00
NGN- Comparison of nitrogen demand and banking strategies to aid N decision making in Esperance	SEPWA	\$114,905.00
NGN Snails surveillance project for the south coast of Western Australia	Stirlings to Coast Farmers	\$75,000.00
GRDC video and podcast 2024-2026	Anvil Media Pty Ltd	\$374,700.00
NVT Harvest Reports 2023-2024 regional data collation	SE Knights Consulting	\$63,042.00
NGN Economic returns from managing sclerotinia in medium rainfall landscapes - an applied agronomy approach	Grain Orana Alliance Inc	\$53,245.00
NGN Focus Farms and discussion groups to improve faba bean yield stability through agronomic management in the Wimmera	Frontier Farming Systems Pty Ltd	\$50,000.00
NVT Harvest Reports 2023-2024: design	Coretext Pty Ltd	\$75,600.00
Audit & GA4 migration	Metric Labs Pty Ltd	\$52,580.00
NGN Companion cropping legumes for lower cost nitrogen supply in farming systems	Riverine Plains Inc	\$55,500.00
NGN Identifying the legacy effects on canola and/or wheat following pulse crops	Ag Grow Agronomy Research Pty Ltd	\$74,000.00
GroundCover suite - editorial and hardcopy newspaper publication	Coretext Pty Ltd	\$522,368.00
NGN Stopping seed set of barley grass on the upper Eyre Peninsula	The University of Adelaide	\$75,000.00
NGN Gazanias incidence and impact on grain cropping in the southern region	La Trobe University	\$50,000.00
NGN Understanding the nutritional requirements of hyper yielding crops - learnings from organic fertiliser use	Brill Ag	\$65,000.00
NGN Demonstrating effective management of matricaria species in the low and medium rainfall zones of WA	Living Farm Pty Ltd	\$120,000.00
NGN planter and air seeder workshops	AMPS Research	\$100,000.00
NGN Monitoring of post fallow trial sites	Laconik	\$66,141.00
NGN Sprayer calibration and application efficacy workshops	Bill Campbell Consulting Pty Ltd	\$73,655.00
Independent review of the NGN	Down To Earth Research	\$99,650.00
NGN Development of management strategies for controlling Phalaris in northern NSW and southern QLD	The University of Queensland	\$64,998.00
NGN Winter wheat investigation on the south coast of WA	Field Applied Research Australia Ltd	\$60,963.00
NGN Evaluating deep sowing of oats in WA production systems	Facey Group Inc.	\$79,000.00
Content audit and inventory	Squiz Australia Pty Ltd	\$74,203.76
Project Manager CRM events module	Talent International (ACT) Pty Ltd	\$63,840.00
NGN Assessing the profitability of including canola into farming systems in SW QLD	Queensland Department of Agriculture and Fisheries	\$60,000.00
NGN Further tactics to minimise frost damage on the Eyre Peninsula	Agricultural Innovation & Research Eyre Peninsula Inc	\$50,000.00

NGN Improving the management of grass weeds in grain oat crops in the estern region	Tarwonga Pty Ltd	\$60,000.00
		\$14,159,221.90
FOUNDATIONAL ENABLER:CAPACITY & ABILITY		
Australian Pastures Genebank	SA Research and Development Institute	\$213,757.00
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
GRS - (Paul Deane) Risking the future: how Australian grain growers manage risk today and into the future	The University of Melbourne	\$67,595.00
GRDC Membership of the Primary Industries Education Foundation of Australia (PIEFA)	Primary Industries Education Foundation Australia	\$76,500.00
Australian Grains Genebank Strategic Partnership 2022-2027	Department of Energy, Environment and Climate Action (DEECA)	\$2,800,000.00
Infrastructure Grants 2023 - establishment of grains research support laboratory at Temora Agricultural Innovation Centre	FarmLink Research Limited	\$135,130.80
GRS (Chrisbin James) Virtual Agricultural Imaging and Sensing through Artificial Intelligence and Computer Vision	The University of Queensland	\$52,275.00
Infrastructure grants- equipment to drive grains research & development in the Great Southern region of WA	Stirlings to Coast Farmers	\$96,901.20
GRS (Chunsheng Xiao) The molecular mechanism regulating quinolizidine alkaloid content in vegetative tissues and seeds of narrow-leaved lupin (WAARC)	Murdoch University	\$52,275.00
Infrastructure grants - 2023	Field Applied Research Australia Ltd	\$100,000.00
GRS (Sreshtha Malik) Beyond glyphosate: Targeting unexplored aromatic amino acid biosynthesis enzymes in the search for new herbicides	The University of Adelaide	\$52,275.00
GRS (Brittany Robertson) Reducing stomatal density in barley to improve drought tolerance	Murdoch University	\$52,275.00
Infrastructure grants - 2023	The University of Adelaide	\$1,183,969.20
Infrastructure grants - 2023	Australian Export Grains Innovation Centre Limited	\$227,116.40
Infrastructure grants - 2023 Enhanced grains research infrastructure investment in NSW	University of Sydney	\$914,690.40
Infrastructure grants - 2023	SA Research and Development Institute	\$127,082.80
Infrastructure grants - 2023 - acquisition of AGX P100 agricultural drone for the timely and efficient application of baits, fertiliser, insecticides and desiccants to field trials and Kincaid Kobra Spray unit for pre-emergent herbicide trial spraying	AgXtra	\$159,536.00
Infrastructure grants - 2023	Hart Field Site Group Inc	\$56,530.80
Geared for Growth	Birchip Cropping Group	\$309,154.80
Infrastructure grants - 2023 Hermitage Research Facility - glasshouse 3 enhancement	Queensland Department of Agriculture and Fisheries	\$211,686.00
Infrastructure grants - 2023 NSW grains biosecurity and molecular biology uplift (EMAI Insectary)	NSW Department of Primary Industries and Regional Development	\$1,650,000.00
Infrastructure grants - 2023 Research Station - grains research capital equipment (Narrabri)	NSW Department of Primary Industries and Regional Development	\$314,086.40
Infrastructure grants - 2023	SA Research and Development Institute	\$76,770.00
Infrastructure grants - 2023	Central West Farming Systems	\$242,815.80
Infrastructure grants - 2023 Rezoning modification and enhancement to increase Biosecurity Containment Level 2 (BC2) capability and compliance of the CSIRO Biocontainment Facility	CSIRO	\$923,120.00
Infrastructure grants - 2023	The University of Melbourne	\$606,189.20
Infrastructure grants - 2023 - small plot equipment	Irrigation Farmers Network Inc	\$202,506.00
Infrastructure grants 2023 - improving the outcomes of local and regional research and development through investment into infrastructure	Brill Ag	\$58,635.00
Infrastructure grants - 2023	Southern Farming Systems (SFS)	\$286,448.40
Infrastructure grants - 2023	Charles Sturt University	\$544,800.00
Infrastructure grants - 2023	Department of Energy, Environment and Climate Action (DEECA)	\$480,000.00
Infrastructure grants - 2023	Department of Primary Industries and Regional Development	\$96,000.00
Horizon Scholarship Program: 2023 to 2025	AgriFutures Australia (RIRDC)	\$80,000.00
Expanding the capacity and capability of the OzBarley G2P Platform and accelerating its adoption	The University of Adelaide	\$145,000.00
Traitomic - mutant population acquisition	Traitomic	\$1,057,600.00
Accelerator Program: AgriStart Pty Ltd (Innovation Cluster)	AgriStart Pty Ltd	\$60,000.00
Australian Plant Phenomics Facility 2023-2028 - Phase 1	The University of Adelaide	\$2,000,000.00
Pre-Accelerator and Accelerator Programs: Farmers2Founders	Farmers2Founders	\$150,000.00
GRDC International Visiting Fellowships Program 2023-24 (Julian Algaba)	Australian National University	\$70,000.00
Pre-Accelerator and Accelerator Programs: Cicada Innovations	Cicada Innovations	\$125,085.00
Accelerator Program: AgriBusiness Connect	Agribusiness Connect Limited	\$130,000.00
Pre-Accelerator Program: Business of Agriculture by SproutX Pty Ltd	SproutX	\$50,000.00
		\$16,414,010.20
FOUNDATIONAL ENABLER:DATA & INSIGHTS		
Building and maintaining the GRDC Data Catalogue	Elysium Digital Pty Ltd	\$135,036.02
Assessment of on-farm performance and impact of technology adoption	CSIRO	\$330,000.00
Grain receivals data services 2021-22 to 2022-23	Kynetec Australia Pty Ltd	\$86,308.00
Data Partnerships Initiative	Department of Primary Industries and Regional Development	\$69,164.00
Data Partnerships Initiative	The University of Queensland	\$67,026.00
Data Partnerships Initiative	Federation University of Australia (formerly University of Ballarat)	\$98,795.00
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	The University of Adelaide	\$2,287,443.00
Analytics for the Australian Grains Industry (AAGI) Strategic Partnership	Curtin University	\$1,869,764.00
Deployment of SAGI research output mfxlm	Terem	\$190,413.89
Ex-post analysis of GRDC investments in genetics, disease and genetics/disease	ACRE Economics Pty Ltd	\$88,200.00
Grower Survey 2024 & 2025	Down To Earth Research	\$141,110.00
Data Catalogue harvesting extension	Elysium Digital Pty Ltd	\$540,372.03
Trial Management and Analytics Platform - TrialMAP user interface development	Squiz Australia Pty Ltd	\$382,937.50
National grain farm performance monitoring: understanding geographic and enterprise differences and the underlying profit drivers	Farmanco Management Consultants Pty Ltd	\$830,415.00
ABARES AAGIS survey 2023 to 2025	Department of Agriculture, Fisheries and Forestry	\$738,600.00
Continuation and integration of the Online Farm Trials database and user interface	Federation University of Australia (formerly University of Ballarat)	\$214,000.00
Grains industry data, mapping and data integration services 2023-2026	Kynetec Australia Pty Ltd	\$138,282.96
2018-23 RD&E Plan impact review	Marsden Jacob Associates	\$192,374.00
GrainInnovate impact analysis	Marsden Jacob Associates	\$56,014.00

Physical collections arising from GRDC investments: current status and future outlook	Department of Energy, Environment and Climate Action (DEECA)	\$146,784.00
DataHarvest: Partnership to unlock the value of RD&E data for the Australian grains industry	Curtin University	\$386,000.00
Research data capture & storage BAU transition	Providence Consulting Group Pty Ltd	\$70,500.00
Grain receivals data services 2023-24 to 2025-26	Kynetec Australia Pty Ltd	\$110,571.50
Understanding the global market, potential enablers and barriers to commercial use of biofertilisers, biostimulants and biopesticides in Australian grain production	Applied Horticultural Research Pty Ltd	\$50,000.00
		\$11,383,790.90