

Smart Farms Small Grants Round 2 - Successful Applicants

RECIPIENT LEGAL ENTITY NAME	STATE	PROJECT TITLE	SUMMARY OF APPLICATION - Purpose of the grant	Total Funding (GST Excl)
Cunningham Valley Action Group Inc	NSW	Smart Use of Weather and Soil Moisture Data to Adapt to Change in the Cunningham Valley	Cunningham Valley Action Group will install a local weather station and one soil moisture probe to link to and extend a small network of soil moisture probes. This project is a collaborative venture that will assist farmers in Cunningham Valley lift production and improve grain & livestock quality while protecting and improving natural resources of the valley. Smart use of data will assist local farmers in making informed decisions concerning crop & pasture selection, nitrogen application, stocking rates, fertiliser application, timing of sowing and harvest as well as for the sustainable management of pasture and protective vegetation. The information, and how to interpret it, will be made available to all landholders in the Cunningham Valley. Increasing targeted inputs and improving management will be achieved by educating local farmers to understand soil and water interaction. Monitoring of the sites will build knowledge of emerging weather patterns associated with climate change.	\$23,400.00
Herbert Cane Productivity Services Ltd	QLD	Assess green waste streams from urban areas in sugarcane production systems in tropical Queensland	This project will improve soil health of sugarcane farms through the use of green waste from urban areas. (10) sugarcane growers, (5) from the Herbert and (5) from the Burdekin cane growing regions, will participate in a peer learning program to increase their understanding of using organic ameliorants to improve soil health through the application of green waste from local councils. Growers will identify areas on their farm that have poor soil so that green waste can be applied to this soil and changes in soil health indicators, runoff water quality and sugarcane productivity monitored. The participant's will increase their knowledge of soil health and water quality as well as gain positive practical experience about the benefits of applying organic material to their soil on crop productivity and runoff water quality. These twenty growers will be used as case studies to promote this farming system change to the wider sugarcane growing communities in both the Herbert and Burdekin.	\$50,000.00

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James Cook University	QLD	Applying New Image Recognition Techniques for Automatic Detection and Spraying of Harrisia Cactus	Harrisia cactus (Harrisia sp.) is a significant rangeland weed in Queensland and northern NSW. It competes against native and naturalised pasture species while its long spines inhibit stock access and pose a threat of injury to native and domestic animals. JCU have developed image recognition software to identify Harrisia cactus in pasture. This software has been deployed on a prototype robotic platform to detect and spray Harrisia in a rangeland environment without spraying adjacent pasture. Automatic detection and spraying is more efficient than traditional "hand gunning" by an operator. This application seeks funding to build a new spot spraying unit incorporating JCU's developed technology to mount on a vehicle provided by Warrakirri Cropping. This project will 1) demonstrate the efficacy of the new technology versus the traditional technique, 2) treat 500 ha of infested pasture land at Warrakirri's "Willaroo" property; and 3) showcase the new technology to local landholders.	\$50,000.00
The Trustee for MR & JL Coates Family Trust	SA	SA oyster production - demonstration ZAPCO floating system reducing impact on marine biodiversity	Seagrasses support commercial fisheries and biodiversity, clean the surrounding water and help take carbon dioxide out of the atmosphere. In this project oyster growers will be able to observe and learn how to use a production method, a ZAPCO system, which will halve the shading impact on seagrass meadows and significantly reduce the turbidity disturbance to the benthic and concomitant impact on light for seagrass photosynthesis. The requirement to walk around oyster leases, to harvest and manage oyster production will be greatly reduced using the ZAPCO system alongside of a mechanical winch which will bring oyster bags onto the boat without the need to enter the water. Seagrass meadows will be monitored and the results shared with oyster growers, the community and Primary Industries and Regions SA during and beyond the life of the project.	\$41,000.00

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The Trustee for The Jackman & Milikins Family Trust	TAS	The Power of Positive Change in Tasmanian Organic & Biodynamic Dairy	In this project dairy farmers & the wider pastoral industry will learn how to increase farm productivity & enhance their environmental performance from pasture Grass-Fed Organic Dairy systems. This will be achieved by implementing a peer to peer learning program to identify & adopt the most effective pasture management techniques to increase soil health & productivity in the absence of inorganic nitrogen fertiliser. In addition, the efficient use of organic effluent & the production and feeding of organic grains within the whole of farm system will be demonstrated & communicated. The first activity will be a study of 3 sites where pastures are being managed for increased organic matter through pasture species selection, the addition of compost & other organic fertilisers. The second activity, participants establish a 2-5 ha area of organic grain on their own farm where they monitor changes in soil organic matter & other key physical chemical & biological indicators associated with soil.	\$20,425.00
Inglewood And Texas Landcare Association Inc	QLD	Continuation of the Southern Qld Murray Darling Feral Animal Initiative	Protection of biodiversity and vegetation will be achieved through reduction of feral animals on farm through a coordinated program of various pest management strategies. Landholders across the Inglewood and Texas Landcare district will be engaged in this coordinated program with an aim to control the number of feral pests detrimentally affecting soil and waterways on and off farm. Proposed activities include 1080 baiting, on ground trapping and aerial shooting. The baiting will be conducted in collaboration with the Goondiwindi Regional Council. Trapping will be implemented in isolated areas where baiting cannot be facilitated (areas sensitive to baiting). The Far-Away Trapping System is a proven method developed and administered by ITLA, involving controlled release of feed to attract feral pigs and remote surveillance and capture via telemetry equipment and technology. Aerial shooting is conducted by an experienced contractor with proven results.	\$48,000.00

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Australian Trust For Conservation Volunteers	VIC	Protecting the Lowland Native Grasslands of Tasmania from Invasive Woody Plants.	This project will deliver a proven on-ground works program to help protect the Lowland Native Grasslands of Tasmania from invasive woody plants such as hawthorn, gorse, prickly box, silver wattle, and briar rose. Using existing desk-top data and land-owner knowledge, areas of invading woody plants will be selected so that teams of supervised volunteers can efficiently remove the invaders. With a focus on minimising chemical application and minimising ground disturbance, a variety of techniques will be used for the removal including: cut-and-paint, drill-and-fill, and grubbing. The process and results will be documented using photographs and video so that a professional on-line presentation can be distributed to native grassland stakeholders in Tasmania and across Australia. The project will demonstrate what is required to remove invading woody plants and it will highlight the benefits of early intervention.	\$48,350.00
Cachia, Mark Alexander	QLD	Soil and Water Conservation of the Brigalow Belt North and Central Mackay Coast Bioregions	For this project, farmers will learn how to conserve their local soil and surround water quality by using novel methods of increasing the surrounding boundary vegetation to create a further buffer during inclement weather conditions and protect against bushfires. Two farming properties along with members of the Capricorn Coast Landcare Group, Livingstone Shire Council and Banana Regional Council will be engaged in a field-based educational program to develop native vegetation and water quality assessment to identify the best soil conservation techniques to not only improve the soil quality and reduce erosion on their own property but also protect endangered species and ecological communities throughout the catchment.	\$40,000.00

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Animal Management in Rural & Remote Indigenous Communities Incorporated	NT	Sheep not dogs on grazing country	There have been considerable reports of dog-related stock loss within the Ceduna region, particularly around Koonibba Aboriginal Community. In this project Koonibba community members will be engaged in an informative capacity building process to encourage recognition of local dog behaviour issues and guiding management decisions to improve the neighbouring stock loss situation. A veterinary program will be provided to assist with the capacity to act on their decisions. AMRRIC, an unique not for profit organisation leading remote animal management, will organise door to door household visits, local meetings and a school education program to raise awareness of the threats of both roaming dogs and cats to grazing stock and wildlife. The veterinary program will offer solutions. To secure sustainable outcomes two more vet programs will be offered to the community over the following 24 months. This community led approach will allow a sustainable reduction in local dog related stock loss.	\$44,880.00
Applied Horticultural Research Pty Ltd	NSW	Strip tillage and cover crops. A winning combination for improving soil health and reducing nutrient runoff to the Reef environment in Bundaberg	Bundaberg, Queensland is a centre of intensive vegetable production and nutrients from the 7000 Ha of vegetable farms can easily find their way into waterways and groundwater, adversely affecting the Great Barrier Reef. In addition, soil condition is declining due to excessive cultivation and loss of organic matter. Combining cover cropping to supply organic matter to soil with the new innovation of strip tillage, can improve crop yields and soil health, and reduce nutrient leaching into waterways and aquifers. The project will establish demonstration plots on two farms in the Bundaberg region: Greensill Farming (watermelons) and Mick Grima (green beans). Bundaberg Fruit and Vegetable Growers Association will organise and promote four field days to demonstrate the benefits of strip tillage and cover crops to growers and advisers in the Wide Bay / Burnett region. The project will run one coaching clinic in Bundaberg and produce a factsheet on using the techniques for vegetable crops.	\$48,000.00

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Applied Horticultural Research Pty Ltd	NSW	Strip tillage and cover crops. A winning combination for improving soil health and reducing nutrient runoff in the Gippsland region	The Gippsland Lakes are of high conservation value, and important centres of tourism for the region. The health of the main lakes (Wellington, Victoria and King) are threatened by salinity and nutrient loads from soil erosion and nutrient runoff from vegetable production in East Gippsland. A potential solution is to combine cover cropping to supply organic matter to soil with the new innovation of strip tillage, where only a narrow strip of soil is cultivated, resulting in improved crop yields and soil health and less nutrient leaching into waterways and aquifers. The project will establish a demonstration plot on a major vegetable farm in the Gippsland region: Mulgowie Farms at Boisdale. The East Gippsland food cluster will promote two field days to demonstrate the benefits of strip tillage and cover crops to growers and advisers in the Gippsland area. The project will run one cover crop coaching clinic in Bairnsdale and produce a factsheet on using the techniques for vegetable crops.	\$44,000.00
Aqua Tropics Pty Ltd	NT	Twin Spring Station Land Consolidation and Water Retention - Adapt and Adopt for NT	This project will establish a demonstration site for best-practice natural land management of degraded, riparian, heavy-hoof animal grazing land, with proven methodology adapted to the NT environment. The project addresses erosion in drainage lines within 600ha of fenced riparian and agricultural land, part of 1527ha Twin Spring Station, primarily with the installation of energy-dissipating rock structures. Installation of these rock structures will trap sediment, slow water flow and retain top soil and soil moisture, restoring biodiversity and improving productivity. Supplementary activities include creating access and fire break lines, and subdividing the fenced area for grazing management. The project will encourage adoption of these practices by landholders Territory-wide. With one outcome being beef cattle production potentially increased by up to 50%, adoption will have a substantial impact on the NT's most valuable primary industry.	\$48,000.00

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Carbon Neutral Charitable Fund Limited	WA	Saltland Carbon - Restoring salinised lands with carbon plantings	The focus of this project is to develop and test a carbon farming system with secondary grazing benefits that can make use of these vast tracks of non-arable lands. It is well recognised that for the benefit of the community, economy and environment, there needs to be large scale revegetation of southwestern Australia. In many cases landholders are not willing to take arable land out of production and lock up with revegetation. Although WA landscapes are generally over cleared, there is currently a shortage of available land for planting native woody vegetation for environmental and other ecosystem service provision (e.g. carbon). Concurrently there is a large amount of salinised land an increasing extent of which has little to no economic value to the farming community. This project will work in association with other agencies which may be research the use of native saltbush perennials to optimise profitability and environmental outcomes from salinised land.	\$45,280.00
Goondicum Research Foundation Limited	QLD	Regenerative Agriculture in the Upper Burnett River Region	The project will assist farmers in the Upper Burnett River catchment to learn and adopt proven farming practices that can improve land, biodiversity and productivity values. The project will be operated on-farm via CRATER, our not for profit body, and hold workshops at the Burnett River within the Goondicum crater to share and assist with the implementation of targeted best practice works for Upper Burnett River region farmers. The project would include workshop discussion and practical measures, demonstrating: 1. Matching stock grazing pressure, pasture availability and land class type for continual ground cover management and to assist with retaining soil and reducing erosion; 2. Riparian zone protection and enhancement to create a vegetation filter between farm water runoff and the Burnett River; 3. Enhancing and buffering existing remnant vegetation patches to increase biodiversity and resilience of the regional catchment, which links to the Great Barrier Reef.	\$45,000.00

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Gwymac Incorporated	NSW	Soil Health and Productivity	<p>In this project farmers will be learning about best practices to improve Soil Health and Productivity with Dr Judi Earl who is a professional Pasture Ecologist and Holistic Management Educator. Two educational workshops will aim to teach farmers best practice in soil collection and analysis, biological fertilizer application and pasture monitoring. Three Soil samples will be collected over the two year period by ten members of the South West Inverell Landcare Group and tested at the Environmental Analysis Laboratory (EAL) at Southern Cross University for full botanical analysis and soil chemistry. The first soil test will provide a benchmark, then the next two tests will be used as comparison after the application of a balanced soil treatment. Judi will perform soil monitoring and pasture measurement methodology using a checklist and formula to record pasture growth rate and water use efficiency for each season, Autumn, Winter, Spring and Summer over the two year period.</p>	\$50,000.00
Landcare Victoria Inc	VIC	Improving Crop Nitrogen Use Efficiency In The High Rainfall Cropping Zone Of Western Victoria To Increase Profitability And Reduce Environmental Impacts	<p>Over recent years there has been a large shift from mixed cropping and grazing to continuous cropping across the high rainfall zone (HRZ) of Western Victoria. However research shows that crop nitrogen use efficiency in the HRZ is low, with only 30 to 40% of applied nitrogen used. This reduces profitability and indicates significant losses via denitrification on wet clay soils and in runoff, with monitoring showing high nutrient levels in waterways leading to local lakes and RAMSAR wetlands. Nitrogen lost via these pathways can convert to nitrous oxide and methane, potent GHG's which contribute to climate change. This project aims to improve nitrogen use efficiency by demonstrating the new practices of mid row banding and targeted surface application on 2 farms, one being on raised beds and one a conventional paddock. Workshops with expert speakers, field walks and newsletter articles will increase landholder awareness of crop nitrogen management and improved fertiliser practices.</p>	\$25,555.00

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Nambucca Landcare Co-Ordinating Committee	NSW	Protecting soil, water and biodiversity of Buckra Bendinni Creek	This project will improve the river condition and function of 45 km of Buckra Bendini Creek through on farm activities such as river bed and bank structures, planting native riparian species, strategic weed control to protect vulnerable endangered ecological communities, and improving land management practices through in kind contributions of fencing and off-stream watering. The project will utilise innovative drone (UAV) technology to rapidly identify restoration priorities and design tailored strategies for each property in partnership with farmers to improve practices, maintain productivity and implement and monitor restoration actions.	\$50,000.00
North East Downs Landcare Group Inc.	QLD	The health of 485 hectares of old cultivation country will be improved by increasing soil nutrition and organic matter and farmers will increase their management decision making skills.	485 hectares of old cropping country will be improved with soil health and productivity increased by six landholders planting legume based pasture, implementing time controlled rotational grazing techniques and spreading green urea. • This will increase dry matter, productivity and better quality feed. It will extend the pasture life of better species. • 200 trees and 100 salt bush planted to improve 25 hectares of saline soil. • A field day with a pasture consultant will be held to promote this work to 30 farmers in the catchment. The pasture expert will assist them to monitor organic matter and other changes in soil condition and ground cover. This hands on practical experience at the field day will enable 30 farmers to improve their skills and adopt sustainable practices which improve soil health, and water retention plus increased ground cover. The pasture consultant will test leaf matter six months after pastures have been established. GIS monitoring will occur monthly.	\$45,250.00

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South Coast Beef Producers Association Incorporated	NSW	Improving the productive capacity of South Coast pastures through the adoption of best practise grazing management	In this project will engage farmers in learn how to optimise pasture production and utilisation through the adoption of best practise cell grazing techniques. Sixteen farming businesses from South Coast Beef Producers Association will participate in a group learning program to develop their capacity to assess changing pasture quality and quantity and to identify and implement the most effective pasture management and cell grazing techniques. The first activity will be an intensive learning exercise where the theory and practise of the techniques are fully detailed. This will be followed over a period of weeks where the participants will visit a number of the individual farms to practise and develop their skills in pasture and livestock assessment. Using these new skills and knowledge participants will be able to implement best practise cell grazing techniques in their farm businesses to improve pasture productivity and soil health and better manage water and nutrient retention.	\$50,000.00
South Myall Catchment Landcare Group Incorporated	QLD	Improve soil health and organic matter on 435 hectares of old cropping country to improve production, and increase management skills of 40 farmers with a field day.	<ul style="list-style-type: none"> • 435 hectares of old cropping country will have soil health and productivity improved when landholders implement time controlled rotational grazing on 200 ha, plant legume based pastures on 135 ha, and apply carbon coated urea to 100 ha. • This will increase dry matter, productivity provide better quality feed, spell grasses and extend pasture life of better species. • The pasture consultant will visit the 3 landholders planting pasture and recommend pasture and legumes suitable for soil types. • A field day with a pasture consultant will be held to promote the increased productivity. This hands on practical experience at the field day will enable 40 farmers to improve their skills, adopt sustainable practices to improve soil health, increase water retention & ground cover. • A portable water monitor will demonstrate improved water infiltration. • Testing of leaf matter will occur six months after pasture is established, and GIS monitoring will occur monthly for monitoring. 	\$49,575.00

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Tweed Shire Council	NSW	Growing sustainable farms from the ground up - Tweed vegetable growers supported to implement best management practices for soils	Vegetable producers in the Tweed Shire will be supported to better manage soil health and increase productivity through capacity building and on-farm demonstration. The project will trial innovative soil improvement programs based on biological farming practices on 0.5 – 1 ha plots on five vegetable farms. By utilising cover crops, compost and biological amendments, the project will protect and enhance soils and natural resources. Project sites will be showcased to other vegetable farmers through field days and practical hands-on workshops leading to widespread adoption of best practice. The project will reduce farmer’s reliance on costly conventional inputs, minimise off-farm impacts from fertilisers and pesticides whilst increasing soil fertility and vegetable production. The project will therefore result in a more profitable, sustainable and resilient vegetable industry.	\$36,558.00
Ovens Landcare Network	VIC	Filling the seasonal gaps with Spring active Onthophagus vacca Dung Beetles -a new release in our area to assist with water quality and soil fertility in a changing climate.	Our project will introduce 10 starter colonies of spring active Onthophagus vacca dung beetles to fill a void in dung beetle activity identified from earlier Ovens Landcare Network surveys. The sites will be chosen through an EOI process to evaluate the best conditions suitable for this species. The successful recipients will routinely monitor, record & map sites to understand their movement & rate of establishment. Workshops engaging our Network members from 23 groups will provide landholders with knowledge on the benefits of dung beetles in supporting the environment & bolstering agricultural systems. Participants will gain skills in identifying, trapping & recording dung beetle species & will be encouraged to undertake monthly monitoring on their property, recording results on an electronic data base app e.g. OZ atlas, biocollect. Landholders then identifying dung beetle activity gaps can source beetles from our starter colony population.	\$49,950.00

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Pascoe Publishing Pty Ltd	VIC	Establishing Perennial Native Grasses and Tubers on Black Duck Farm	Black Duck Foods is a company that has been established to support the inclusion of indigenous Australians in the production of native food. The company is based at Black Duck Farm which is situated on the Wallagrough River in 'Yuin Country'. The property is owned and run by Bruce Pascoe, a Yuin man, and the author of Dark Emu, a history of the agricultural systems of First Australians. The farm will produce native grains and tubers for the food industry which is already desperate for the product. This project will oversee the early stages of the farms shift away from annual pasture and over stocking. The project will: 1. Establish trial and seed production plots of native grains and tubers. 2. Improve grazing practice by establishing cellular grazing. 3. Establish on-farm monitoring. 4. protect the established riparian and wetland vegetation.	\$25,263.00
Project Platypus Association Inc.	VIC	Paddock biolinks for warmer times	The project will establish areas of re vegetation on farmland to provide multiple benefits to biodiversity and primary production on a local and regional scale. Vegetation will be established as linear corridors strategically linking areas of existing vegetation with the greater goal of providing links across the landscape between the Grampians National Park and the Pyrenees / Mt Cole forests along the great dividing range. This will benefit not only local efforts to provide connectivity across a drastically cleared farming landscape but will also contribute towards national initiatives like the Great Eastern Ranges initiative. Paddock trees will also be a focus of the project by providing stock protection to remnant paddock trees and create enclosures where trees can naturally recruit seedlings and replace themselves with benefits to farm production, habitat provision and connectivity.	\$49,800.00

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Sustainable Education Pty Limited	NSW	Enhancing biodiversity and building floral resources for apiculture	This project will improve the productivity and profitability of an apiculture (beekeeping) enterprise while supporting sustainable land use management. The property is a high biodiversity conservation area at the headwaters of Broughton Creek. It contains hanging swamps; 20ha of undisturbed old growth rainforest and adjoins Barren Grounds Nature Reserve. The project aims to build productivity in apiculture by re-vegetating degraded areas with nectar and pollen producing native trees and shrubs. Additional floral sources will provide food and habitat for the 180 species of birds identified in the area. Biodiversity of flora and fauna will be enhanced through regeneration, revegetation and the controlling of feral pests and weeds. Remediating eroded areas with mulch and plants will stabilise soils and sequester carbon, build organic matter and minimise nutrient runoff into waterways. Farms downstream will benefit from improved water quality and fewer weeds both air and water borne.	\$12,000.00
The Trustee for Caroonboon Trust	NSW	Wanganella Plains Preservation Project	In this project a group of landholders (herein “participants”) in the Wanganella district will work together to increase their understanding of the importance and value of pasture preservation through best practice implementation of the Shelter Belt pasture preservation method across four separate locations. During the planning phase the participants will gather knowledge via a site tour of the subject sites and will attend a presentation on best practice from the Murray Local Land Service in order to allow a optimum Shelter belt concept design/s to be developed. During the implementation phase the participants will work together and pool their resources (machinery, labour and buying power) to deliver the shelter belts. Post implementation a Workshop and Field Day will be made available to the community to share the knowledge gained from the project. Knowledge will also be shared with the community and Land Services via social media and mainstream media outlets.	\$30,890.00

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Blackwood Basin Group Incorporated	WA	Learning from the Past to Resource the Future - Best Practice Landcare Guidelines	This program will collate & make readily available a series of 'how to' best practice guides that have been developed or used by the Blackwood Basin Group (BBG) over its 28+ year history. These guides have either been developed by the BBG, are existing publications or are unpublished documents/excerpts that have been provided to the BBG. Much of this information is currently only readily accessible internally by BBG staff, is scattered throughout various library or online sources in a format that is difficult to search for or to understand. Despite the information being available, adoption has been low in recent times due to lack of awareness and a perceived lack of relevance of landcare to farm profitability. Providing relevant and easily accessible information, supported by a series of workshops will greatly improve the awareness and adoption of best practice methods for maintaining and improving soil, water, vegetation, threatened species and biodiversity.	\$44,390.00
Boorowa Community Landcare Group Inc	NSW	Learning to Let Grow - Boorowa Community Landcare Group Mentor Project.	Local & regional champions of regenerative agricultural practices will work to support & educate farmers and graziers in and around the Boorowa Community Landcare Group (BCLG) enabling them to adopt land management practice change. This peer learning project will increase capacity & resilience of farmer networks by developing grazing practices that increase ground cover, improve organic matter and increase moisture holding capacity of soils, by managing pasture and matching stocking rates to carrying capacity. The 'Learning to Let Grow' project will deliver four on-farm grazing group meetings, one training workshop and a bus trip per year, to 'out of area' champions properties who are fostering regenerative agricultural practices. A facilitator and mentors will engage with land managers 'wherever they are at' with their grazing enterprise. Farmers and graziers will develop skills in monitoring & managing their economic, ecological & social wellbeing to improve their business.	\$43,560.00

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Byron Shire Council	NSW	Managing Land in the Micro Climate of Byron Shire - Capacity Building for New and Lifestyle Land Managers	Byron Shire Council (Council) will work in collaboration with a consortium of organisations to develop a Rural Land Know How Package (the Package) for our new and existing lifestyle landholders. We will build the capacity and capability of both new and established land managers in the area - to increase their awareness, knowledge and skills of land management best practice and how to mitigate risks associated with climate change. It will deliver agricultural productivity gains in conjunction with net benefits to soil, water, vegetation and biodiversity within the region. This will be achieved through producing a best practice guide titled: "I've Just Bought Rural Land – Help!" distributed through real estates and online. The Package will also create a mentoring program to connect new farmers with industry leaders and will deliver 6 field days/ workshops/farm tours on subjects such as marketing produce, chemical and pest management, restoring riparian corridors and improving soil health.	\$50,000.00
Kangaroo Island Land for Wildlife (KI LFW) Association Incorporated	SA	Raising Kangaroo Island Land for Wildlife land manager's awareness, knowledge and skills in sustainable land management.	This project will engage 25 Kangaroo Island (KI) Land for Wildlife land managers in best practice methods for managing phytophthora cinnamoni, weeds, feral cats and pigs. Land managers will participate in activities to improve their awareness, knowledge and skills in reducing threats to KI's soil, vegetation and biodiversity (with a focus on protecting the EPBC listed Endangered KI dunnart Sminthopsis aitkeni). Land managers will participate in up to 10 private property assessments and threat reduction demonstrations. Assessments will include flora and fauna monitoring and surveys of feral cats and pigs, weeds and phytophthora dieback. Ten property management plans will be produced, providing group members with individual property information for ongoing management. Demonstrations of threat reduction methods for sustainable land management will be delivered. This project will increase the KI Land for Wildlife group's capacity and capability to engage other land managers.	\$50,000.00

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Biodynamic Agriculture Australia Ltd	NSW	Building farm capacity and resilience through biodynamic techniques to increase humus and soil carbon, adapt to a changing climate and maintain sustainable, biodiverse, healthy soils to grow nutrient rich pasture and produce.	Responding to demand from our 2017-2018 free introductory field day participants, Biodynamic Agriculture Australia Ltd (BAA), we will conduct 2-day biodynamic methodology workshops across five States which will give farmers the knowledge and confidence to adopt effective, achievable and holistic techniques applicable to diverse farm management systems and foster that interest by providing on-going BAA technical support. Farmers across five States will learn what each biodynamic preparation brings to the soil and how and when to make or use them to make measurable improvements to nutrient availability, genetic diversity, plant-available water holding capacity and improved soil structure and carbon capture.	\$11,000.00
Basalt to Bay Landcare Network Inc.	VIC	Grassroots extension podcasts	This project will create a foundation platform of 6 new podcasts on Landcare topics relevant to SW Victoria: - impacts of heat stress in cattle/dairy; how to plan shelterbelt positions & species in narrow width dairy situations; shelterbelts for lambing - what, where, how; Victorian Landcare Grants- what projects are considered & how to apply; ATO Landcare tax incentives; Direct seeding shelterbelts applications & costs. Industry experts/scientists/professionals will be interviewed to provide information to farmers about facts/tools/resources to inform & direct their farm decisions. All podcasts will be added to iTunes & linked on our website. Listeners will hear people in the industry speak about real-life situations & gain connections & knowledge on sustainability topics. The podcasts will be promoted as a new extension tool for NRM, Rural extension service providers, government, & producers trying to connect their farm actions & processes to local and national consumers.	\$25,633.00

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Fitzgerald Biospere Group Inc	WA	Building resilient farming systems in the face of increasing climate variability	This project will support farmers in the Jerramungup Shire to repair soils and build resilience into their farming systems following an extremely dry (Decile 1 rainfall) year in 2018. We will coordinate workshops with highly recommended soil health practitioners. In Year 1 we will address the immediate issues created by very dry and windy seasonal conditions in 2018. Practises include rehabilitating wind eroded paddocks, rebuilding topsoil, increasing soil water holding capacity and sustainable grazing management. In Year 2 we will introduce additional longer term strategies that build resilience into our farming systems and communities. We will visit farming operations that are already demonstrating regenerative techniques. We will have climate change models interpreted for local use. We will augment this with relevant archived data from our area – underground water table monitoring, hydrological and geological mapping – to develop local strategies for dealing with climate change.	\$43,656.00
Johnstone River Catchment Management Association Inc	QLD	Reinvigorating the wise use of trees on farms in the Wet Tropics	The project will provide support and training to landowners involved in tree growing, to improve the effectiveness of their enterprises. The core of the application is delivery of training by the Australian Agroforestry Foundation, in Malanda Qld, however landowners from across the Wet Tropics will be welcome to enrol. The project comprises three elements. Firstly, an introductory workshop will seek to re-establish linkages between those who have successfully grown trees in the area before, and especially those who have been involved in previous Master Tree Growing Courses. Secondly, a Master Tree Growing Course will be delivered to approximately 16 landowners wishing to enhance their skills and understanding of successful tree growing, from a range of foresters who have worked in the area. Thirdly, training in Peer Mentoring will be offered to approximately 8 experienced growers who are willing to act as sources of knowledge and help for novice tree growers.	\$44,720.00

Smart Farms Small Grants Round 2 - Successful Applicants

RECIPIENT LEGAL ENTITY NAME	STATE	PROJECT TITLE	SUMMARY OF APPLICATION - Purpose of the grant	Total Funding (GST Excl)
South East Landcare Incorporated	NSW	Enabling leaders for community growth and natural resource management benefits in South East NSW	This project will support farmers, regional community members including volunteers and NRM NGO and government support staff by developing leadership and collaborative action skills to support organisational capacity of groups in the South East delivering sustainable natural resource management outcomes. 20 participants from up to 6 sub-regions and a diverse range of sectors with an interest in natural resource management across the South East region will participate in leadership development training. Workshops including network development and collaborative design support the implementation of best practice methods for improving or maintaining soil, water and vegetation resources and adapting to change. Skills taught to individuals will further develop the capacity and resilience of the groups they represent in local and regional communities and their ability to deliver sustainable on-ground production and environmental benefits.	\$50,000.00
Southern New England Landcare Ltd	NSW	Mustering Members 4 Climate Change Challenges	Southern New England Landcare's quarterly Member Musters are attended by scores of members and friends and are highly valued by participants. They are a way for our 28 member landcare groups to connect, exchange information, ideas, experience and stories. They are also attended by local and state government staff, Local Land Services staff and project partners. In this project we will host 4 major Member Musters over 2 years on 4 topics aligned with our Strategic Plan, but with a special focus on the challenges associated with a changing climate. Special guest speakers and specially designed interactive workshop sessions will enable participants to explore and address together, emerging issues that are not yet being addressed by governments, Local Land Services or DPI. Our 4 Challenge Topics are: Focus on Ferals Forum (Spring 2019); Species Selection for Revegetation Success (Autumn 2020); Greener Grazing in Global Warming (Spring 2020); Saving Soil Health & Hydration (Autumn 2021).	\$47,215.00

Smart Farms Small Grants Round 2 - Successful Applicants

RECIPIENT LEGAL ENTITY NAME	STATE	PROJECT TITLE	SUMMARY OF APPLICATION - Purpose of the grant	Total Funding (GST Excl)
Tamar NRM Inc.	TAS	Small Farm Roadmap - Farming and Land Management at Field Days in the Tamar Valley	Our objective is to provide regionally relevant farming information across the Tamar Valley of Northern Tasmania, building producer capacity to be profitable and sustainable. By attending six interconnected farm field days and extension support, small to medium size farming enterprises will gain an understanding of: <ul style="list-style-type: none"> • Tamar Valley soils and land capability • What makes an up-to-date sustainably focussed farm plan • "Over the fence" learning • Transitioning to new and profitable enterprises • Biodiversity values and practical solutions of living with nature • The marketplace and opportunities for Tamar Valley producers. By attending all six field days topics covering soils to end product marketing, producers will know what needs to be done to improve farm practices for profit and conservation. They will have access to on-line information materials and nearby landholders willing to support their practice change.	\$39,000.00
The Liebe Group Inc	WA	Increasing the organisational capability of farming systems groups in the Northern Agricultural Region in Western Australia	This project will increase the organisational capability of farming systems groups in the Northern Agricultural Region of the Western Australian Wheatbelt. This will be achieved by providing targeted and locally delivered governance training to twenty-five individual farm business members who are in existing management roles, or looking to progress into leadership roles, within the Liebe Group, West Midlands Group and Mingenew Irwin Group. These individuals will have an increased capability to influence change in executive roles through effective decision making and best practice governance methods. Good governance will enable these farming systems groups to continue to provide the best platform for supporting their farm business members to adopt new practices and technologies and to continue to be profitable and sustainable into the future.	\$18,608.00

Smart Farms Small Grants Round 2 - Successful Applicants

RECIPIENT LEGAL ENTITY NAME	STATE	PROJECT TITLE	SUMMARY OF APPLICATION - Purpose of the grant	Total Funding (GST Excl)
The University of Western Australia	WA	Engaging digital media to more effectively build confidence in use of sustainable land management practices	This project will provide essential information about complex aspects of soil health in user-friendly digital format using a cross-platform app (activity 1). UWA will write and publish to ebook format (activity 2) a sustainable land management publication on living soil and produce 16 podcasts (activity 3) of 30 minutes duration based on best practice scientifically rigorous information from the ebook. The app will launch 7 professionally produced animated videos, each targeting a key area of biological components of soil health. The podcasts and link to the ebooks will be accessible via the app. Communication and use of the resources will be done in a collaboration UWA - South West Catchments Council following the app launch to their networks of farmers, industry stakeholders and community members via newsletters, facebook and twitter. UWA will track app usage and user responses to the soil health resources and monitor participant responses via online and direct questionnaires.	\$35,117.00
Wodonga Urban Landcare Network	VIC	Healthy Hectares North East	The project adapts the content (booklet & web content) of the Healthy Hectares program developed by Goulburn Broken Catchment Management Authority and Euroa Arboretum to the NE region of Victoria. It delivers a series of Field Days to build the capacity of small rural property owners to apply best practice land management principles to their land. Topics include Reading your Landscape (Cultural Heritage; Natural Ecosystem awareness) Planning your Small Property (Property Management Planning), Understanding your Soils and Pastures (Soil & pasture assessment & management), Managing water on your property (Preventing erosion; calculating stock water requirements; farm dams; off-stream watering; riparian land management). Keeping animals on your small farm (Husbandry; welfare; responsibilities) Wildlife on your Patch (Safe, suitable habitat for local native species; creating wildlife corridors), Pesky Pests (Managing Pest Animals and Plants; legislation; resources and techniques).	\$50,000.00

Smart Farms Small Grants Round 2 - Successful Applicants

RECIPIENT LEGAL ENTITY NAME	STATE	PROJECT TITLE	SUMMARY OF APPLICATION - Purpose of the grant	Total Funding (GST Excl)
Birchip Cropping Group Inc.	VIC	Extending whole farm sustainability to young farmer discussion groups in the Wimmera and Mallee	In this project, seven young farmer discussion groups across the Wimmera and Mallee will be upskilled in whole farm sustainability practices relevant to their local region. The discussion group focus will be on soil conservation, sustainable pest control, vegetation management, best-practice grazing, emerging NRM technologies, managing climate variability and responsible stewardship of farm chemicals. High calibre speakers will be engaged to present on topics, and meetings will visit case studies/demonstration sites in the region. Activities will be conducted with an established network of discussion groups in Manangatang, Birchip, Hopetoun, Rupanyup, Nhill and Quambatook, plus a female specific group. In addition to building participant capability, it will also provide the opportunity to network off-farm and allow capture of learning preferences, knowledge gaps and attitudes towards NRM, developing an invaluable understanding of how to best service the emerging generation of farmers.	\$50,000.00
Coorong District Council	SA	Responding to Dryland Salinity NOW Recommendations for a new audience	After decades of successful management & dry years, regional dryland salinity is now spreading beyond state salinity risk mapping forecasts. Coorong District landholder surveys undertaken over 3 months found 2335 ha became salinity affected in the last 5 years, with 2795 ha estimated at risk over the next 5 years. This project will take previous info; Fact Sheets, & technical reports, merge with new salinity, soil mapping & hydrology information & data, & ensure relevance & to current climate variability, land use, management practices & audience. Material will be in a digestible format for a new generation of land managers, employees, corporate owners, agronomists & extension staff – with best media formats confirmed via Activity 1 Communication Survey. Clear recommendations for management will be clearly outlined by technical experts. This information will be SA landscape relevant addressing water use, measurement & identification, saltland agronomy, water balance redress.	\$49,530.00

Smart Farms Small Grants Round 2 - Successful Applicants

RECIPIENT LEGAL ENTITY NAME	STATE	PROJECT TITLE	SUMMARY OF APPLICATION - Purpose of the grant	Total Funding (GST Excl)
Insight Agricultural Consulting Pty Ltd	WA	Building extension capability to deliver improved sustainable agriculture adoption outcomes	Sustainable agricultural outcomes are the result of an effective extension program. However developing and delivering that extension program is based on a sound understanding of the underlying principles and knowledge of the target audience, how the target audience learns and manages change. This project will work with project managers and extension deliverers from Regional NRM organisations, grower groups and private extension providers across South Australia to develop and deliver effective extension programs for sustainable agriculture. This proposal is the extension of the successful capacity building project funded in NLP2 Small Grants Round 1 being delivered in Western Australia. The project will deliver a series of workshops (3) and webinars (2) over a ten month period aimed at increasing skills and knowledge in extension theory and practice, program design, adult learning techniques and facilitation, evaluation and monitoring, and community leadership principles.	\$44,300.00
Mackillop Farm Management Group Inc	SA	Productivity on the Plains - Innovative solutions to enhance water movement, infiltration and drainage on the plains.	Productivity on the Plains is a capacity building project for broad acre cropping farmers in the Limestone Coast. It will extend and demonstrate technological innovations and techniques to combat the negative effects of waterlogging and inundation on soil health and fertility. Farmer awareness, knowledge and skill will be improved by better understanding the impact of waterlogging on crop and pasture productivity, the soil-based factors that impede water infiltration and the latest methods to overcome them. Two case-study sites will demonstrate innovative management solutions and act as a catalyst for peer to peer learning and shared experience.	\$48,500.00

Smart Farms Small Grants Round 2 - Successful Applicants

RECIPIENT LEGAL ENTITY NAME	STATE	PROJECT TITLE	SUMMARY OF APPLICATION - Purpose of the grant	Total Funding (GST Excl)
Mingenew Irwin Group	WA	Fostering young land manager resilience through building confidence and skills for a sustainable future.	This project will deliver training and resources to early career land managers and farm employees in a range of aspects in farm business, agronomy, natural resource management and technology, through a series of workshops lead by professionals in each field. Workshops will run in a discussion group format with approximately fifty attendees, encouraging increased engagement and peer to peer learning. Practical and theory based units will make up the workshop format, with a total of six workshops to be held throughout the year. A resource information booklet will be made available to all participants, along with a series of youtube videos. Participants will increase their knowledge base around a range of technologies, monitoring techniques and farm business terminology.	\$30,000.00
Murrumbidgee Landcare Association Inc	NSW	Sustaining the Edges - Engaging and supporting small landholders for improved land, water and stock management	Small farmers across the mid-Murrumbidgee region will be brought together to learn how to better manage the natural resources on their properties, with a focus on ecological and agricultural sustainability. The aim is to engage around 45 small farmers in local Small Farmer Landcare Groups, and build their capabilities through an 18 month facilitated program of sustainable land management. An initial workshop will introduce landholders to the concept of viewing their property as an ecosystem, linked to the surrounding landscape. This will be followed by a series of 4 workshops, each held at the 3 project locations, to develop participants' knowledge, understanding and experience in the sustainable management of pests and weeds, water resources, erosion, native vegetation and livestock. They will gain practical skills to enable them to change practices on their properties, and over time evidence shows that development of a peer network will support their practice change.	\$49,114.00

Smart Farms Small Grants Round 2 - Successful Applicants

RECIPIENT LEGAL ENTITY NAME	STATE	PROJECT TITLE	SUMMARY OF APPLICATION - Purpose of the grant	Total Funding (GST Excl)
Northern Agricultural Catchments Council Incorporated	WA	Being Smarter With Our Data	This project will leverage improved internet service provided through the Department of Primary Industries and Regional Development's Digital Farms project to provide farmers with the opportunity to take full advantage of the modern monitoring equipment that will become available. There is a major risk that this new wave of data may be overwhelming and underutilised and to address this, NACC will facilitate a series of workshops targeting local groups and growers in these areas with the aim of making sure that farmers are prepared to integrate this new data and information into their decision making. This will improve the capacity of the community to employ best management practices that have been previously limited by regional Western Australia's patchy internet access, and ensure that farmers are not overwhelmed by new data and can use it in a smart, effective manner to improve the condition of Australia's soil and water resources.	\$26,460.00
Stirlings to Coast Farmers Inc.	WA	Student Connect Program 2020 - Creating connections between farmers and agriculture students through sustainable farming innovation demonstrations, lectures and mentoring	SCF will expand a student connect program to one further school year in the Albany region in 2020. The program will increase the capacity of school farms, students, parents and staff and raise awareness of sustainable agriculture practices and careers to students and their parents through the sharing of expertise in sustainable farming systems and technological innovation with students, staff and parents. Students will connect with local innovative farmers and researchers who are willing to volunteer to talk with students, offer career advice, mentoring and work experience. Specific activities over 18 months: - Demonstration sites will be established at each school. - Lectures and practical demonstrations provided to final year students relating to term themes. - Free membership to SCF Young farmers group and welcome pack for students. - Events for students and parents to meet other students and mix with innovative farmers. - Work experience, careers advice will be offered.	\$37,500.00

Smart Farms Small Grants Round 2 - Successful Applicants

RECIPIENT LEGAL ENTITY NAME	STATE	PROJECT TITLE	SUMMARY OF APPLICATION - Purpose of the grant	Total Funding (GST Excl)
Territory Natural Resource Management Incorporated	NT	Promoting Sustainable Forestry Practices in the Northern Territory	This project will capture and analyse the current information available to forestry growers in the Northern Territory (NT). Current resources have been developed by the NT Government, however these documents are dated and lacking in information. Resources from interstate are currently being used by forestry operators in the NT. Following the analysis, a publication focusing on sustainable forestry practices specific to the NT will be developed through consultation of key forestry stakeholders in the NT. An appendix to the publication will be a ready reckoner to compile the legislative requirements for forestry in the NT. Promotion of sustainable forestry practices will be undertaken through the release of the publication to the public, and will include field events showcasing successful forestry in the NT. This will encourage an increase in not only forestry practices in the NT, but also the sustainable management of natural resources on land under different management tenures.	\$49,344.00
The Wheen Bee Foundation Limited	VIC	Trees for Bees - Increasing pollinator prevalence, health and diversity in the agricultural landscape.	This project aims to increase the prevalence, health and diversity of pollinators in the agricultural landscape by enabling the strategic planting of 'Trees for Bees' and other pollinators. An Ecoregional Planting Guide will be developed for use by stakeholders situated within the Victorian and Riverina Plains. The guide will specify information (e.g. pollen, nectar, duration and time of flowering etc.) enabling landcare groups, nurseries, and land managers to select the best mix of indigenous species targeting their planting value for pollinators. Wheen Bee Foundation Ambassadors (bee champions) will connect beekeepers and land managers and provide bee expertise and information to landcare groups to assist in raising their knowledge and understanding of bees as pollinators and their reliance on native flora. A Bee Friendly Farming network will be established linking land managers who subscribe to land management best practice (in line with the guide) to support pollinators.	\$49,670.00

Smart Farms Small Grants Round 2 - Successful Applicants

RECIPIENT LEGAL ENTITY NAME	STATE	PROJECT TITLE	SUMMARY OF APPLICATION - Purpose of the grant	Total Funding (GST Excl)
Goulburn Murray Landcare Network Incorporated (No A0103860v)	VIC	Digging Deeper - Building strong soil & land management skills.	This project provides a learning opportunity for local farmers to undertake a practical soils course, to build strong soil management skills. 20 landholders will participate in the course. Goulburn Murray Landcare & Soil Land Food will co-deliver the course over five days on local farms. It gives participants experience with farm soils, soil tests and explores biological and chemical approaches to soil management. Course participants will gain a high level of confidence to manage their own soils, with skills including understanding how soils function & soil nutrients, reading soil tests with confidence, identifying soil types & mapping these across their properties, assessing soil health in the paddock & identifying soil constraints, effectively managing soil nutrients & evaluate fertiliser/input options and monitoring soil health & fertility. Holistic Management educators will also be engaged to meet with HM students to continue their learning.	\$14,600.00
Landcare ACT Ltd	ACT	Increasing Landcare Capacity and Engagement in the ACT Region	Farmers and landcarers in the ACT region will learn about ways to improve the resilience and sustainability of their properties in a changing climate through engagement with leading researchers and peers successfully applying best practice and innovative methods in surrounding areas, bringing new knowledge to build local capacity. Topics include regenerative farming, cell grazing, aboriginal agriculture and burning practices, and adapting to climate challenges. The main activity will be a seminar and workshop series, utilising highly respected leaders in these fields to stimulate peer-to-peer learning, reinforced with opportunities to visit farms in the surrounding regions where these practices have already been implemented. Communications materials in a range of media will make the information available to a wide audience.	\$45,000.00

Smart Farms Small Grants Round 2 - Successful Applicants

RECIPIENT LEGAL ENTITY NAME	STATE	PROJECT TITLE	SUMMARY OF APPLICATION - Purpose of the grant	Total Funding (GST Excl)
Queensland Water & Land Carers	QLD	From Surviving to Thriving by Building Adaptive Capacity in Community Based Landcare Groups in Western QLD	The structural changes that have occurred in the NRM Environment over 10 years have had a significant impact on the way in which community-based Landcare groups operate. For groups to be able to continue to serve their communities the focus must now be on social enterprise development so that they have the means to thrive. This entails more of a business approach to successfully acquire and manage the resources required to achieve organisational goals that benefit the local community and natural environment. The project will provide training based on identified needs of QWALC members and include governance, business development and resource acquisition and management to member groups located west of the range in 3 QLD NRM Regions. 144 participants from across 72 member groups will gain new knowledge and learn to apply it in their groups to build organisational capacity. The 10 training sessions will be conducted in regional towns including Toowoomba, Warwick, Chinchilla.	\$33,400.00
RM Consulting Group Pty Ltd	VIC	Advanced practice change management capacity for Landcare officers in Tasmania	The program will build skills in natural resource project management, extension, change management and monitoring and evaluation within the Tasmanian Landcare community. Landcare officers, facilitators and others who provide information to landholders are key influencers for adoption of practices on farm. By building their engagement, extension and project management skills, they will be better equipped to support and coach landholders to adopt practices that help to protect biodiversity and improve the condition of productive and natural assets e.g. soils, water and vegetation. The capacity building program will be delivered to two groups in Tasmania, one southern and one northern group. Each group will participate in a one-day workshop, additional coaching, webinars and a follow-up workshop. Workshop content will cover the principles of fostering practice change and good project management tailored to participants' current level of knowledge.	\$49,998.00

Smart Farms Small Grants Round 2 - Successful Applicants

RECIPIENT LEGAL ENTITY NAME	STATE	PROJECT TITLE	SUMMARY OF APPLICATION - Purpose of the grant	Total Funding (GST Excl)
North Coast Regional Landcare Network Incorporated	NSW	Training the trainer- Fostering Sustainable Agriculture in the NSW North Coast.	The project will develop & deliver a Sust.Ag/NRM 'train the trainer' course targeted at building capacity of Landcarers & other NRM professionals providing on-farm advice. Collaborating with reputable universities, we will provide tailor-made training in Sust.Ag focused on global & national issues (economic drivers, sustainability scale & imperatives, cutting edge technical developments, biophysical challenges in Australia etc.). Using innovative delivery mechanisms (eg micro-credentials, online content, mobile apps) the course will develop new capabilities, quantify existing skill sets & achieve time & cost-effective learning outcomes. This will enable NRM professionals to support practice change & deliver more productive & profitable Ag projects to protect & improve natural resource condition across land tenures. Based on robust scientific evidence, this intensive professional development course will be piloted on the NSW North Coast to 50 NRM professionals with potential to adapt nationally.	\$50,000.00
Stirlings to Coast Farmers Inc.	WA	Mid row banding of Nitrogen to improve nitrogen use efficiency and reduce fertiliser applications in cropping systems.	This project will test mid row banding of nitrogen fertiliser for grain crops in the high rainfall zone of the Albany region in WA. Studies over numerous years have shown that Australian grain crops take up just 42% of applied nitrogen fertiliser each year. Research completed in Victoria 2016 and 2017 showed that crop uptake of fertiliser N improved by over 20% at two separate sites (Wallace 2018) when applying nitrogen directly into the soil in comparison to soil surface applications. Improving crop uptake of applied N also resulted in a significant reduction in N 'lost' to the environment which was measured by the proportion of applied N not present either in the crop or soil at harvest (Wallace 2018).Mid-row banding of nitrogen has the potential to improve nitrogen use efficiency which will improve farmer profitability and benefit the environment through lower nitrogen applications and less nitrogen escaping as a gas or run-off or leaching into the soil which accelerate soil acidity.	\$78,200.00

Smart Farms Small Grants Round 2 - Successful Applicants

RECIPIENT LEGAL ENTITY NAME	STATE	PROJECT TITLE	SUMMARY OF APPLICATION - Purpose of the grant	Total Funding (GST Excl)
Coffs Harbour Regional Landcare Incorporated	NSW	Groundcover and vegetation Best Management Practice for Intensive Horticulture Farms in Coffs Harbour	This project aims to provide best management practices for maintaining ground and vegetation cover on intensive horticulture farms in the Coffs Harbour Region in an attempt to improve on-farm soil health and prevent soil and nutrient loss from farms into the natural water systems. Farmers will be educated on how to assess and improve groundcover. The first activity will be the assessment of on-farm groundcover across 6 intensive horticulture farms. Farmers will then be assisted to revegetate areas of less than 70% groundcover, focusing on steep land, watershed areas, high traffic areas, between rows of crops and riparian zones. Groundcover species will be tailored to fit the specific on-farm soil types. Remnant on-farm vegetation will be protected through weed control and increased through planting local species. Groundcover improvement will be monitored during the project. Field days will showcase the best practice methods for groundcover improvements to other local farmers.	\$96,900.00
East Gippsland Landcare Network Inc.	VIC	Landcare farmers adopting best practice for profitable farming and a healthy environment.	This project aims to assist farmers on the Plains Grassy Woodlands, to learn and adopt on farm practices that will improve land, biodiversity and productivity values. The project will hold a series of workshops and then assist landholders one on one to implement targeted best practice on ground works. Works will include; 1. Matching stock (sheep & beef) grazing pressure, pasture availability and land class type for permanent ground cover management, to assist with the protection of top soil from erosion, aiming to retain soil on farm and stop its movement across the landscape; 2. Riparian zone protection and enhancement, to create a vegetation filter between on farm water runoff and the internationally listed Ramsar Gippsland Lakes; 3. Enhance and buffer existing remnant vegetation patches, to increase biodiversity and resilience of a nationally threatened vegetation community.	\$95,200.00

Smart Farms Small Grants Round 2 - Successful Applicants

RECIPIENT LEGAL ENTITY NAME	STATE	PROJECT TITLE	SUMMARY OF APPLICATION - Purpose of the grant	Total Funding (GST Excl)
Eyre Peninsula Agricultural Research Foundation Incorporated	SA	Adapting cropping systems to changing climatic conditions to reduce inputs and maximise water use through improving crop competitiveness	This project will address two major threats to no till farming & stubble retention systems, which have been critical to sustaining profitable farming in the region over the past 35 years. Reliance on herbicides for weed control has led to resistant weeds, forcing farmers to return to tillage and burning to control these weeds. Increasing row spacing to manage stubble has led to increased erosion risk between rows and reduced yield potential. The project will demonstrate the benefits of increasing the distribution of seed per m2 using innovative farmer equipment. Two demonstration sites will be monitored to measure ground cover, water use, erosion risk and weed numbers. The sites will be a focus for farmer discussion groups to analyse what is being observed and to discuss ways of incorporating the practices into their farming systems. EPARF will promote the outcomes of the project to the broader farming community via e-newsletters, at post-harvest & spring paddock walk events.	\$96,260.00
Landcare Victoria Incorporated	VIC	Increasing landholder capacity and landscape resilience in the Corangamite Lakes Landcare to adapt to climate change area through practical on ground actions	This project will improve farm and landscape resilience and landholder capacity to adapt to climate change by revegetating 30 ha of cleared agricultural lands in Corangamite Lakes Landcare area with species from EPBC listed critically endangered Victorian Volcanic Plains Eucalyptus Woodland EVC, of which less than 0.01% of the original extent remains. Multiple stepping stone plantings on private land will increase habitat area, improve landscape connectivity between woodlands to the north and RAMSAR lakes and remnant forests to the south, preserve biodiversity and sequester carbon. Plantings will provide shade to reduce heat stress on stock in a hotter climate, and shelter in winter. Participating landholders will co contribute 4.6 to 1 for grant funds. Workshops, farm greenhouse gas audits and case studies will increase landholder awareness of climate change impacts for farming systems and mitigation strategies, while emerging technologies will demonstrate improved farm water management.	\$99,950.00

Smart Farms Small Grants Round 2 - Successful Applicants

RECIPIENT LEGAL ENTITY NAME	STATE	PROJECT TITLE	SUMMARY OF APPLICATION - Purpose of the grant	Total Funding (GST Excl)
Macedon Ranges Shire Council	VIC	Healthy Landscapes for Healthy Livestock and Productive Farms in the Macedon Ranges	Livestock farmers in the Macedon Ranges and Upper Coliban Catchment will be assisted to adopt best practice land management to increase productivity, improve biodiversity and waterway values and adapt to climate change and changes in market demands and pressures. Two regenerative grazing management short courses will be delivered by Stipa Native Grasses Assoc. including on-farm trials by the 30 participants. Three speaker nights and five workshops / field days will be held with local innovative farmers and experienced graziers to reach other farmers and Landcare members. Farmers will also be supported to develop grazing management plans and adopt sustainable land management practices through one-on-one property visits. Farmers will be encouraged to join discussion groups, or supported to establish new groups as required. Project partners include Melbourne Water, Agriculture Victoria, Coliban Water, the North Central CMA and local Landcare groups and networks.	\$100,000.00
Mallee Sustainable Farming Inc.	VIC	Diving into deep ripping - Enhancing production and groundcover on erosion prone soils.	This project will improve the protection of the Mallee's deep sands by facilitating adoption and best practice of deep ripping these soils. Recent local research data has demonstrated that deep ripping sands improves the productivity and profitability of the crops grown while also increasing the level of crop residues available to protect these high-risk soils from wind erosion. This project will enhance the adoption of deep ripping by implementing two demonstration sites to evaluate the best techniques to achieve the desired outcomes from deep ripping. A complimentary extension program will increase landholder awareness, knowledge and skills using workshops, virtual reality site tours, You Tube video and regular communication through existing extension networks. At the conclusion of this project 20 landholders engaged in the project will have trialled deep ripping on at least 50 hectares. 100 farmer will have direct increased awareness and 400 will be indirectly influenced.	\$95,000.00

Smart Farms Small Grants Round 2 - Successful Applicants

RECIPIENT LEGAL ENTITY NAME	STATE	PROJECT TITLE	SUMMARY OF APPLICATION - Purpose of the grant	Total Funding (GST Excl)
Rockpool Land & Water Services Pty Ltd	TAS	Remote sensing informed sheep grazing of improved pastures, & integrated management, to assist Lowland Themeda Grassland & Woodland regeneration, in Tasmania	Rotational sheep grazing of Phalaris improved pasture will reduce sheep grazing in adjoining unfenced remnant EPBC listed lowland Themeda grassy woodlands. Tasmanian Institute of Agriculture will demonstrate remote sensing of vegetation biomass to inform grazing rotation & native grassland condition, Themeda biomass & seed set will be compared within fragmented unfenced woodland where sheep are grazed & ungrazed fenced woodland. The proponent, local council contractors, pakana services (indigenous) & CVA volunteers will assist with aspects including 2km fencing of a 60Ha bushland remnant, woody weed control (gorse herbicide spraying & native Bursaria spinosa felling), & cultural informed burning. Education will be provided to indigenous college students, University students, volunteers, & farmers. The project will monitor, evaluate & demonstrate improved methods of Phalaris pasture grazing & lowland Themeda grassland management, with soil conservation & biodiversity outcomes.	\$99,500.00
Stirlings to Coast Farmers Inc.	WA	Smart Farm Regeneration Hub for soil health and climate resilience activities for farmers in southern high rainfall zones	A 'Smart Farm Hub' will be established with 2 demonstration farms in high rainfall zones, Mt Barker/Albany in southern WA. The project will remove barriers to best practice adoption by increasing farmer's awareness, skills, capacity & knowledge through the implementation of a comprehensive extension program that delivers NRM outcomes through farmer to farmer learning activities, with a particular focus on technology and best practice for improving: - Climate resilience - ability to predict, plan, respond and recover from adverse seasonal conditions; and - Soil health and fertility - reducing soil acidity, compaction, waterlogging and chemical / pesticide use. This project is expected to lead to a 25% increased rate of adoption of best practice and new technology by farmers in our region (400 farmers / 150 enterprises) and 10% in neighbouring regions (200 farming enterprises) within 2 years. This project will have a strong focus on the use of regenerative farming best practices.	\$90,000.00

Smart Farms Small Grants Round 2 - Successful Applicants

RECIPIENT LEGAL ENTITY NAME	STATE	PROJECT TITLE	SUMMARY OF APPLICATION - Purpose of the grant	Total Funding (GST Excl)
The Liebe Group Inc	WA	The Gen Y Paddock Challenge - Supporting the adoption of innovative and sustainable soil management through an online peer learning network	This project will develop the capacity of young farmers in the Northern Agricultural Region of Western Australia and provide them with the skills and confidence to trial and share best practice methods for increased soil productivity in their farming businesses. The project will monitor and evaluate ten paddock scale demonstrations with ten young farmers and provide them with the skills to evaluate and share innovative approaches to soil management. A modern peer learning framework will be developed to enable increased farmer to farmer learning. The facilitation of an online peer network will provide a trusted environment for farmers to share experiences and access in-season decision making support through discussion and engagement with peers. Findings and in-season analysis from the demonstration sites will be shared in real-time via this network and video case studies will be developed with each of the ten farmers to share their experiences with the broader farming community.	\$99,200.00
Climate & Agricultural Support Pty Ltd	SA	Symbiosis of dung beetles, cattle, and biochar to support soil health and climate adaptation and mitigation on the Fleurieu Peninsula.	This project aims to use dung beetles to bury biochar laden dung. This will improve soil health by increasing the biodiversity of the soil microbiome. This will in turn will increase the uptake and use of moisture and trace minerals in pasture and improve yield and quality. This will support farmers to effectively, sustainably and productively manage Australia's natural resources and adapt to climate change. The project will increase farmer's knowledge/capacity of 2000 producers in the Fleurieu region and facilitate adoption and practice change of 30 producers in the region by 2020.	\$62,463.00

Smart Farms Small Grants Round 2 - Successful Applicants

RECIPIENT LEGAL ENTITY NAME	STATE	PROJECT TITLE	SUMMARY OF APPLICATION - Purpose of the grant	Total Funding (GST Excl)
Envite Incorporated	NSW	Northern Rivers floodplain macadamia growers improving productivity through best practice farm management - Stage 1	Stage 1 of this project will support macadamia growers on the Richmond River floodplain adopt best management practices to improve orchard productivity and profitability while protecting and improving biodiversity on farm and in the Richmond catchment. Each property has had an irrigation and drainage management plan developed with information provided on regulatory, technical, environmental and physical topics. Implementing drainage management plans including undertaking farm health assessments and on ground works including weed control and strategic revegetation of riparian buffer zones and drains will improve native vegetation extent and condition, increase habitat for threatened Koala populations, minimise sediment runoff, increase soil retention and reduce the need for chemical pest intervention. Information will be shared at field days, through project promotions and publications which will be distributed in association with the Australian Macadamia Society.	\$99,970.00
Local Land Services	NSW	Hunter Soil Moisture Network	To develop the Hunter Soil Moisture Network that strategically positions soil moisture probes across the Hunter landscape which aims to arm farmers and land mangers with better soil moisture information to help measure and guide management decisions across critical times of the year. This information will provide real time data to support farmers to make decisions around management of climatic variability, natural resource management and seasonal conditions. This soil moisture network will foster regular exchange of information between growers, grower groups, agribusiness and researchers whilst supporting ongoing industry capacity and collaboration. Outcomes generated by the Soil Probe Network will increase producer confidence when making critical decisions at critical stages of seasons. Underpin response strategies which increase farmer and ecosystem resilience by optimising farm productivity and natural resource condition.	\$57,000.00

Smart Farms Small Grants Round 2 - Successful Applicants

RECIPIENT LEGAL ENTITY NAME	STATE	PROJECT TITLE	SUMMARY OF APPLICATION - Purpose of the grant	Total Funding (GST Excl)
YP Alkaline Soils Group Incorporated	SA	Building resilience & long term farm profitability through increased understanding of soil fertility and the benefit from greater crop diversity	Forty farmers will improve their farm resilience and profitability by building their knowledge of; nutrient cycling, crop nutrient needs and benefits from crop rotations with adequate plant diversity. Aims are to reduce financial and production risk and improve yield and grain quality. Field walks will be held at five sites with varying; soil types, rainfall, paddock history, and a range of crop and pasture types. With full discussion of farmer practice, paddock history, crop rotation, soil nutrient, soil moisture, crop yield and grain quality. Soil water, soil nitrogen, and crop records from a range of crop and soil types, seasonal conditions over the last four years will be utilised with real time project monitoring results. To plan improved fertiliser strategies and more productive and profitable crop rotations. Farmers will be encouraged to apply fertiliser test strips with 0.5 and 1.5 times their normal rate. Ongoing support will assist farmers with quality decision making.	\$71,500.00
Agriculture Kangaroo Island Incorporated	SA	New technology & tools to increase adoption of smarter and more sustainable farming practices on Kangaroo Island	The project will investigate new technologies & tools to improve land management practices on Kangaroo Island (KI). It will build on and value add to the Islands land capability and soil constraint data. Improvements from traditional techniques used to overcome these land management issues are now plateauing. A high proportion of KI farmers are less than 40 yrs old. They are keen to drive change and are looking for the next quantum leap in tools and technology that will enable them to farm smarter and more sustainably. The project will re-energise producers to adopt new farming technologies that increase their capacity and resilience changes in climates & markets ensuring their future viability. An inter/intra state review will identify the best bet options of technologies/tools farmers can adopt. These will be demonstrated on KI with technical support to drive farmer adoption. New extension tools will be utilised to more effectively engage with the younger generation.	\$99,000.00

Smart Farms Small Grants Round 2 - Successful Applicants

RECIPIENT LEGAL ENTITY NAME	STATE	PROJECT TITLE	SUMMARY OF APPLICATION - Purpose of the grant	Total Funding (GST Excl)
Australian groundsprayers association	VIC	Pilot of a national stewardship scheme for groundspray pesticide application	The project will pilot with farmers and agricultural spray contractors, a voluntary industry driven stewardship scheme for ground spray application of pesticides. The Australian Groundsprayers Association has been planning the stewardship scheme (proposed name SprayPASS) to enhance the knowledge, skills and culture of spray applicators and businesses, and to address serious issues associated with agricultural chemical use (including spray drift) and the lack of an industry stewardship program within the cradle to grave chain of responsibility from pesticide manufacture, distribution, sale, use to waste disposal. The scheme will lead to practice change on farms and workplaces through implementation of best practice. It will promote sustainable and profitable agriculture while helping protect natural resources and communities. The project will enable development of stewardship resources, validation of the scheme, and establishment of an administrative structure for on-going management.	\$70,000.00
Ceres inc	VIC	Australia's First 'Open Source' Vertical Demonstration Farm.	In this project we will open Australia's first vertical demonstration farm. The demonstrated salad-cropping system will be an exemplary model of sustainability and productivity. With a global warming potential (GWP) 70% lower than conventional field-cropping systems, it will use 98% less land and 90% less water than in conventional systems. The demonstration farm will be located in an industrial area of inner Melbourne. Nutrient-dense, chemical-free salad-greens will be grown in 5-tiered vertical shelving units, irrigated with harvested & stored rainwater. In this project horticulturalists and students will learn the knowledge and skills involved in operating such a system, and gain an understanding of the economic, environmental and social aspects of high-yield urban food production. In addition, horticulturalists and students will learn to assess and reduce the global warming potential (GWP) of salad-cropping production systems.	\$90,000.00

Smart Farms Small Grants Round 2 - Successful Applicants

RECIPIENT LEGAL ENTITY NAME	STATE	PROJECT TITLE	SUMMARY OF APPLICATION - Purpose of the grant	Total Funding (GST Excl)
Condamine Headwaters Landcare Group Inc	QLD	Demonstrating Natural Sequence Farming in the uplands of the Condamine River catchment	This project introduces Natural Sequence Farming (NSF) to landholders in the upper Condamine River catchment. NSF has been developed over the last 20 years (by Peter Andrews) and is gaining credibility as a land management practice of benefit to Australian systems. Where some local landholders have attended training in NSF and have implemented practices, the outcomes are promising, with visible improvement to water, soil and vegetation in waterways. The lush green gullies and clear water are especially obvious in the present drought. This project will showcase the example and experiences of these early adopters to a broader base of landholders, offer subsidized training in NSF and sponsor trial sites of NSF on-ground works. The works are aimed at developing confidence with NSF practices, to build a suite of demonstration sites and to build a community of landholders who are adopting best practice for slowing water flow and re-hydration of the landscape to increase farm productivity.	\$99,500.00
Curnuck, Terry Donovan	QLD	Smart Drones - Smarter Farming	In this project, farmers will be engaged through hands-on case studies, to improve their understanding of the cost-effectiveness of Unmanned Aerial Vehicles (i.e. UAVs, Drones) precision agriculture for weed control in FNQ's Wet Tropics Area, and to foster sustainable natural resource management. Weed-control case studies will be run on three farms in the Tablelands' agricultural region using precision mapping and precision spray drones. Problem weeds (eg. Tobacco and Fire Weed, Giant Rats' Tail) will be mapped, sprayed, the area remapped, effects quantified and cost benefit analyses done, comparing UAV with conventional methods. Field days, held concurrently, will increase farmers' understanding of the use of precision aerial technology and its immense potential. A forum/trade show will be held after the above with landowners, service industry representatives, agronomists and council staff invited and the cost benefit analysis presented, with invited speakers and panel discussions.	\$86,336.22

Smart Farms Small Grants Round 2 - Successful Applicants

RECIPIENT LEGAL ENTITY NAME	STATE	PROJECT TITLE	SUMMARY OF APPLICATION - Purpose of the grant	Total Funding (GST Excl)
Glenrac Inc	NSW	Soils in the Spotlight - Glen Innes NSW	<p>This project will increase the knowledge and capacity of landholders in the Glen Innes district to adopt and implement improved soil management practices. This will be achieved through the collation and analysis of soil data from previous soil testing projects and using this to identify trends and highlight issues, and will be used to produce a publication which will be distributed widely. A survey of participants in previous soil testing projects will measure the adoption of new practices and technologies and identify the barriers to adoption. Four groups of landholders will be engaged in follow up monitoring undertaking soil testing and then accessing technical expertise to use this data to inform decisions through a series of 5 activities per group. Peer to peer knowledge exchange and mentoring will assist these 32 group members with adoption of improved soil management practices. A field day event will be held providing knowledge and awareness to at least 60 landholders.</p>	\$99,110.00
Greta Valley Landcare Group Incorporated	VIC	Smart farmers beat the heat - Addressing climate variability through shade and shelter	<p>This project will continue to build on the knowledge and momentum gained from our successful Round 1 Smart Farms Small Grants project 'Developing climate resilience in the Greta Valley'. We are now seeing a greater awareness of the impacts of climate variability at a farm scale level, and we are learning skills and strategies that can be used to sensibly manage our environment and on-farm activities to be productive and sustainable. Our project seeks to continue and expand on the development of essential shade and shelter across the catchment. Primarily this will be achieved by offering financial incentives to establish new shelter belts, shade blocks and shelter for farm dams; but will be extended by the inclusion of fodder species into appropriate revegetation sites to provide for emergency feed during drought years. Community support for this project is high, for what we plant today, will become the shade and foundation for our future farmers.</p>	\$84,020.00

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RECIPIENT LEGAL ENTITY NAME	STATE	PROJECT TITLE	SUMMARY OF APPLICATION - Purpose of the grant	Total Funding (GST Excl)
Tamar NRM Inc.	TAS	Carbon Neutral Farming benefits in a northern Tasmanian context	As well as reducing greenhouse gas (GHG) emissions of agricultural systems, carbon neutral farming can provide a marketing edge and numerous environmental eco-system service benefits. Northern Tasmania has opportunities for carbon neutral farming that do not exist in other parts of Australia. Our goal is to provide whole farm GHG accounting at 5 demonstration farms in the Tamar Valley showing the multiple benefits of adopting adaptation and mitigations measures including on farm carbon storage, GHG emission reductions from on farm recycling, pasture and livestock management, conservation tillage, converting to solar energy, cogeneration, and offsets through forestry and/or native vegetation plantings. Field days held on the participating farms chosen for their innovative approaches in limiting GHG emissions, and a carbon forum will showcase best practice to an observer group of producers. The project findings will be synthesised into resource utilisation opportunities for farmers.	\$61,420.00
Territory Property Group Pty Ltd	NT	The Tropical Biosolids Project will develop a beneficial use framework to improve soil health on agricultural land, replacing use of chemical fertilizers through recycling nutrient-rich, organic, biosolid waste.	Our project will adapt existing biosolid land application research, methodologies and practices to suit the NT's unique tropical climate, soil, topography and agronomic/industry to take advantage of the rich organic matter and essential nutrients that are highly suitable for assimilation by crops. The Northern Territory's capital, Darwin, with a population of 140,000 produces up to 9,000 tonnes of biosolids per annum. Treatment and disposal of sewage biosolids is an ongoing challenge for Governments worldwide with stockpiling the most popular solution which is neither financially nor environmentally sustainable. Tangible benefits such as environmentally sustainable farm practices will be developed and documented. Improved soil health, erosion control and enhanced productivity will be delivered in a cost-effective way rather than perpetuating the current, unsustainable and expensive practice of stockpiling and a reduction of the current dependence on chemical fertilizers.	\$90,000.00

Smart Farms Small Grants Round 2 - Successful Applicants

RECIPIENT LEGAL ENTITY NAME	STATE	PROJECT TITLE	SUMMARY OF APPLICATION - Purpose of the grant	Total Funding (GST Excl)
Eyre Peninsula Agricultural Research Foundation Incorporated	SA	Perennial Pasture Systems for the Upper Eyre Peninsula and Other Dryland Farming Areas	This project will demonstrate perennial pastures as an option for improving the productivity of low productive cropping land on the upper Eyre Peninsula. The aim will be to turn this land into productive livestock pasture, with only minimal inputs of fertiliser, and without the need for herbicide and tillage. Two farmers will sow demonstration sites; one on a grey calcareous soil and the other on a red sandy loam/typical Mallee soil. A mixture of species including grasses and legumes will be sown based on their suitability for local soil and rainfall conditions. The perennial pastures should improve the long term soil health and fertility of their paddocks, reduce the risk of soil erosion, and provide valuable reserves of feed in times of drought or late seasonal breaks, improve weed control through plant competition, improve rumen health and reduce the risk of animal health issues such as photosensitisation.	\$99,131.00
Geeveston Community Centre Inc.	TAS	Increasing the successful and profitable uptake of Regenerative Agriculture practices on Tasmania farms.	The project will provide awareness, training, demonstrations and follow up support to farmers to enable the uptake of regenerative farming methods 1) Raise awareness of regenerative agricultural practices in 3 diverse regions by holding information sessions and online webinars to introduce regenerative agriculture concepts & gain feedback on local priorities 2) Conduct workshops for grazing & cropping farmers using known experts in the field, including a financial planning & holistic management component to show cost/benefit of conversion, as this is one of the key barriers to uptake of new ideas. 3) Develop an electronic how to manual 4) Establish on-farm demonstrations to determine suitability of regenerative agriculture in each region. 5) Hold field days in each region to observe the progress & of trials and discuss suitability & further application of regenerative agriculture techniques 6) Provide ongoing support - phone calls & emails for 12 months to lower barriers to adoption.	\$60,000.00

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RECIPIENT LEGAL ENTITY NAME	STATE	PROJECT TITLE	SUMMARY OF APPLICATION - Purpose of the grant	Total Funding (GST Excl)
Holbrook Landcare Group	NSW	Adaptive Farming Systems to address significant changes in climate	This project will support land managers' continuing development and implementation of sustainable natural resource best management practices, identify how their choice of farming system will impact their ability to adapt to significant changes in climate, and ways to increase the sustainability of their farming business and the quality of the environment. Holbrook Landcare will run a workshop series & Agriculture forum to explore various farming systems (regenerative farming to high input systems), their relative short & long-term risks/benefits & provide support to make informed decisions to match business goals & resource management objectives. Participants will explore how to improve their sustainability, productivity, profitability & ability to adapt to significant changes in climate, weather & markets. With access to the latest information, relevant experts, extension & group discussion, participants will identify practice changes required for their business to stay viable.	\$96,520.00
Snowy River Interstate Landcare Committee Incorporated	NSW	High Country Soils and Farm Profit in Harmony	Project participants will undertake a sequence of training and workshop events to increase their confidence and capacity to manage soil assets and farm sustainability. A focus group of 20 landholders will be formed from existing Landcare members within the Snowy River Interstate Landcare Committee (SRILC) area, and through expression of interest from additional land managers. The group will be trained and coached in soil sampling, soil formation, and how to adopt measurable changes in soil health and grazing practices. Each participant will undertake their own soil sampling to target soil treatments, and to optimise the use of limited resources. Participants will access information on soil carbon management and emission reduction opportunities. Participants will also receive a coaching session with a soil and farm specialist in order to develop a medium-term farm soil management plan. The soil management plan will include paddock trials to support change and sustainability.	\$79,340.00

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RECIPIENT LEGAL ENTITY NAME	STATE	PROJECT TITLE	SUMMARY OF APPLICATION - Purpose of the grant	Total Funding (GST Excl)
Wheatbelt Natural Resource Management Incorporated	WA	Using Local Supplies of Composted Waste - Innovations in Regenerative Agriculture	In this project more than 40 farmers will learn how incorporating local sources of composted waste can improve soil health and help them reduce and potentially eliminate the use of synthetic fertilisers in broad acre cropping systems. The trials will cover approximately 200 hectares on each property, which will demonstrate how the compost performs at the paddock scale. There will be two study tours, one held on each property. They will include detail on the journey that the farmers have taken to get to where they are now and where they aspire to. Project participants will be engaged through a local community of practice that will provide them with information and networking to leaders in the field of regenerative agriculture. All results will be published through an extensive extension program which includes an on farm field day, written and video case study as well as media articles published with the trial results. Case studies will also be published on www.agtrialswa.com.au .	\$50,600.00
Holbrook Landcare Group	NSW	New approaches to tackling and monitoring soil acidity in perennial pasture systems.	This project will introduce new methods for effective detection and management of surface and subsurface acidity to over 1000 land managers in Central and Southern NSW where soil acidity limits production, profitability and sustainability of perennial pasture systems. On-farm demonstrations will showcase new acid soil management options, support 6 field days and prompt at least 100 farmers to develop skills, knowledge and confidence to adopt new acid soil management practices. A unique soil testing program supported by cash contributions from Holbrook Landcare Network and Grassland Soc. NSW will establish 60 on-farm sites, to highlight the scope and severity of soil acidity and introduce soil testing protocols to check and monitor soil acidity. Extension of results via meetings, printed and social media and case studies will ensure awareness and sustained widespread adoption of updated acid soil management practices by farmers and Landcare groups, beyond the project term.	\$200,000.00

Smart Farms Small Grants Round 2 - Successful Applicants

RECIPIENT LEGAL ENTITY NAME	STATE	PROJECT TITLE	SUMMARY OF APPLICATION - Purpose of the grant	Total Funding (GST Excl)
Sub-Tropical Dairy Programme Limited	NSW	Improving climate risk management strategies of Southern Queensland dairy farms to deliver resilient and sustainable soils, waterways and businesses.	This project will directly engage 30 dairy businesses to reduce their risk & exposure to climate variability by reviewing, identifying & implementing strategies to protect & enhance on-farm natural resources. As part of the project, a decision support resource for farm system planning will be developed & trialled with 30 farms, along with the development of property management plans & soil management plans. Farms will be supported to implement recommendations from plans & use scenario analysis as part of their decision support process. Three discussion groups will be formed which will allow for peer to peer sharing of successful farm practices. Benefit/cost analysis of drone technology in property planning will be trialled. This will include digital elevation & the use of imagery to identify crop performance & variation, allowing farms to take proactive agronomic strategies to improve groundcover, nutrient utilisation & soil health, thereby reducing the risk of sediment & nutrient.	\$179,542.00
Farmlink Research Limited	NSW	Towards best practice site-specific mapping, prevention and treatment of subsurface acidity in southern NSW	A recent focus on subsurface acidity research in southern NSW has highlighted that current data collection methods and liming practices are failing to prevent soil acidification occurring throughout the profile, particularly in the 5-15 cm depth. At the same time, extensive pH mapping in this region has demonstrated that high levels of within-paddock variability of surface pH is common. To date however, there has been no study that examines both the vertical and lateral variability of pH concurrently. This project seeks to do this through an extensive survey of pH variability within 36 paddocks geographically spread throughout southern NSW on a variety of soil types, rainfall regimes and management histories. The relationships between surface and subsurface acidity as well as apparent Electrical Conductivity (ECa), which may act as a proxy indicator, will be used to develop 'best-practice' Variable Rate lime decision support methods.	\$192,661.00

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RECIPIENT LEGAL ENTITY NAME	STATE	PROJECT TITLE	SUMMARY OF APPLICATION - Purpose of the grant	Total Funding (GST Excl)
Farmlink Research Limited	NSW	Utilising new technologies to optimise nitrogen use in broadacre cropping, protect the soil resource and minimise potential offsite impacts	Despite the importance of nitrogen in broadacre cropping, few producers routinely conduct deep soil N sampling, with the majority applying N based on historical use. Where deep soil sampling is being conducted, current practice is likely insufficient in quantifying N levels due to within-paddock variability. In addition to optimising on-farm input use efficiencies, better tools for N management are required to avoid environmental impacts of excess N supply including nitrate leaching resulting in the acceleration of soil acidification, transport of N to inland waterways and increased N ₂ O emissions. This project seeks to quantify the level of N variability within broad acre cropping in southern NSW using intensive grid deep N sampling and subsequently examine the suitability of other existing and emerging technologies (yield, protein, ECa and NDVI) to inform scientifically robust Variable Rate (VR) N applications, thus building the capacity, profitability and sustainability of producers.	\$139,922.00
Gecko CLaN Inc	VIC	Precision nutrient mapping communities of practice for dryland agriculture in north-east Victoria	This project will use nutrient mapping to improve existing nutrient management approaches to dryland grazing systems. It will move beyond conventional paddock averaged soil testing and subsequent decision making to better understanding soil variability across a paddock and tailoring nutrient and management strategies. Whilst nutrient mapping is applicable and sometime cost effective in broad acre cropping and intensive horticulture, its use in extensive grazing systems requires careful consideration to be cost effective. By carefully selecting a focus farm representative of local soils and enterprise, this project will create templates so surrounding farmers can use to inform their management. Four unique focus areas will be selected that represent widespread farming and soil types. Farmer groups will be established in proximity to each focus paddock being nutrient mapped. Groups will be facilitated and led by specialists to assist them gaining confidence in changing their practices.	\$198,000.00

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RECIPIENT LEGAL ENTITY NAME	STATE	PROJECT TITLE	SUMMARY OF APPLICATION - Purpose of the grant	Total Funding (GST Excl)
Grassland Society Of Southern Australia Inc	VIC	Bringing Re-Gen to the Next-Gen	<p>‘Bringing Re-Gen to the Next-Gen’ is a capacity building project for the Limestone Coast that will educate 30 young farmers and advisors across livestock industries (Sheep, Beef and Dairy) on key concepts of regenerative agriculture that are actively being adopted in the Australian livestock sector at present. The program will be collaboratively designed and delivered to include education modules, field days, open gate farm tours and online forums to establish farmer networks in regenerative methods. Topics covered will include: soil fertility 101; optimising water capture and use; growing productive pastures year round; and, grazing strategies that increase feed utilisation and quality. Participants will be supported to conduct their own on-farm trials and monitoring and be provided with technical guidance to assist the adoption of new management practices that lead to improved resource condition.</p>	\$188,000.00
Lower Eyre Agricultural Development Association Inc	SA	Increasing adoption of new techniques combining physical, chemical and plant based interventions to improve soil function on Eyre Peninsula	<p>This project is a partner application from the Lower Eyre Agricultural Development Association (LEADA) and the Eyre Agricultural Research Foundations (EPARF). The project will increase awareness of methods to address a range of soil constraints, by demonstrating how the combination of deep incorporation of chemical amendments (lime and gypsum) and the inclusion of organic materials can address soil physical and chemical constraints that reduce plant root growth and limit soil biological function. The project will conduct a training and extension program based around field demonstrations of new techniques that allow cost effective deep placement of amendments. The program will be developed in consultation with technical and extension providers and involve agricultural consultants and farmers to improve understanding of soil function and the relationship of soil constraints to soil biological function and nutrient availability.</p>	\$183,400.00

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RECIPIENT LEGAL ENTITY NAME	STATE	PROJECT TITLE	SUMMARY OF APPLICATION - Purpose of the grant	Total Funding (GST Excl)
Northern Territory Farmers Association Incorporated	NT	Supporting NT primary producers to integrate natural resource management into productive cropping systems	NT producers will be supported to take direct action to improve the management of natural resources in their farming systems. Extension activities including workshops, a study tour and field and training days will enhance awareness and adoption of best practice land resource management specifically associated with broad-acre cropping in the NT. Through these activities, growers will be better equipped to: - identify and map land areas suitable for growing crops based on slope gradient, soil suitability and proximity of crops to native vegetation and wetlands - compile and execute effective erosion and sediment management plans - adopt established industry best management practices The project will draw on Cotton Australia's myBMP assurance system, existing environmental legislation and guidelines and relevant industry specialists. An erosion surveying and control demonstration site will be established which will deploy emerging erosion surveying and control technologies.	\$111,000.00
Ocean Watch Australia Limited	NSW	The urchin plague - From problem to profit	Populations of the long-spined sea-urchin (<i>Centrostephanus rodgersii</i>) have exploded in recent years on the east coast. Lined up like lawn-mowers, these voracious grazers mow down marine vegetation. They create urchin barrens, pose a threat to native biodiversity and undermine profitable fisheries. A partnership between the Abalone Association NSW & OceanWatch, this project will call on the skills & experience of commercial abalone divers to rehabilitate 4 urchin barrens in NSW. Urchin numbers will be reduced over 8 ha and monitoring activities will record the recovery of seaweed & other native biodiversity. With reduced competition, urchins that remain will have improved roe quality, supporting development of the sea urchin fishery - a key long-term solution to manage urchin populations. Abalone divers will also gain knowledge through training in an industry code of practice, with training materials aligned with a unit of competency within the Seafood Industry Training Package.	\$165,436.00

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RECIPIENT LEGAL ENTITY NAME	STATE	PROJECT TITLE	SUMMARY OF APPLICATION - Purpose of the grant	Total Funding (GST Excl)
Sapphire Coast Wilderness Oysters Inc	NSW	Shift from Catchment Canaries to active Estuary Health Guardians - update & implement 4 Oyster Industry Environmental Management Systems on the Sapphire Coast	Strong partnerships will help empower farmers to act as estuary health guardians. The project will deliver improvements to coastal catchment condition, estuary health & the sustainability & productivity of the Sapphire Coast Oyster Industry. The industry-led coordination of updating & implementing Environmental Management Systems (EMS) in this region will continue to build the capacity of 60 farmers in 6 grower groups to adopt best-management farming practices (BMP); & to work in partnership with key stakeholders to address catchment-based threats that impact on estuarine water quality, vegetation & biodiversity. EMS also provides a mechanism for industry to advocate & adapt to emerging issues such as climate change, disease, biosecurity & increased coastal development, as well as to respond to market & policy trends. The updated EMS framework & BMP's developed through this project can be adapted, localised & potentially rolled out across Australia's oyster-producing estuaries.	\$194,812.00
Soil C Quest 2031 Limited	NSW	Climate Resilient Soils Network via the adoption of carbon sequestering, water use efficiency and non-rhizobial nitrogen fixing microbe inoculums in the Central West Lachlan, Maquarie 2100, Little River and Cudal and Districts Landcare Groups	The project will facilitate specific practice change sites and increase land managers capacity in the use of microbial tools for; - carbon sequestration - innovative nitrogen fixation - water use efficiency Outcomes are; - increased agronomic productivity and profitability via increasing plant health and lowering input costs - increased drought resilience and fertility parameters of soils - reduced GHGs via nitrous oxide emission reductions and long-term atmospheric carbon sequestration into soil microaggregates The project includes facilitation and support of practice change for 4 land managers over four sites spanning a range of farming systems across Landcare regions. Sites will then be used as the basis of an capacity building program that will; - enable extension of knowledge via peer-to-peer learning and access to researchers at four public field days, and use of practice -change sites for demonstration sites - generate public scientific and agronomic resources.	\$183,000.00

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RECIPIENT LEGAL ENTITY NAME	STATE	PROJECT TITLE	SUMMARY OF APPLICATION - Purpose of the grant	Total Funding (GST Excl)
South Gippsland Landcare Network	VIC	Enhancing Soil Biology - Best Practice Soil Management	In this two year project 15 South Gippsland Landcare groups and 15 other farmers with representative soil types will be recruited as demonstration sites of a hectare each to show the effectiveness of 3 methods of enhancing beneficial soil microbiology. Each demo site will be divided into 4 sections with one a control and 3 others receiving different treatments. Soil will be tested pre and post treatments for full chemical, biological and carbon conditions. The 30 farmers will be trained by a soil scientist over 3 days in the science, benefits and methods of enhancing soil biology. Videos of the training sessions and a training manual will be produced and provided via social media and website. Three public forums and four farm field days will be held. The 30 farms will be advised which method is most effective for their farm and plans developed to use on the whole farm. Carbon trading mechanisms will be discussed and farmers encouraged to promote soil biology to their networks.	\$199,925.00
Sugar Research Australia Limited	QLD	Australian sugarcane industry soil health benchmarking in Central Queensland- Increasing profit and transforming soil health practices through cooperative industry research, extension and adoption.	Local soil, productivity & economic data requested by sugarcane growers of Queensland's Central region on benefits of an improved farming system (IFS) upon soil health and business sustainability will be delivered. Regional sugarcane organisations will cooperatively establish 10 "IFS/ standard practice Paired Sites" (Paired Sites) & conduct grower action learning opportunities on these & 2 IFS practice trial/ demo sites. Sites tested on soil physical, biological, chemical and crop root health parameters, plus production measurement, to undertake comparison analysis between (1) standard practice field V (2) IFS practice managed field of 10+ years within same soil type. Results inform regional soil health indicator & benchmark determination, technical resources & extension tools. An extension model to engage growers in research will deliver resonating knowledge, understanding and capability including resources such as a locally validated in-field Soil Health Ute Toolkit.	\$100,000.00

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RECIPIENT LEGAL ENTITY NAME	STATE	PROJECT TITLE	SUMMARY OF APPLICATION - Purpose of the grant	Total Funding (GST Excl)
Sugar Research Australia Limited	QLD	Australian sugarcane industry soil health benchmarking in the Wet Tropic Region of Queensland- Increasing profit and transforming soil health practices through cooperative industry research, extension and adoption.	Local soil, productivity & economic data sought by sugarcane growers of Queensland’s Wet Tropics region, on improved farming system (IFS) benefits upon soil health & business sustainability, will be delivered. SRA, mills & a trusted farm consultancy, will cooperatively establish 10 “IFS/ standard practice Paired Sites” (Paired Sites) & conduct grower action learning on these, an SRA IFS practice trial/ demo site & an MSF Sugar Ltd Project Uplift site. 21 sites tested on soil physical, biological, chemical & root health parameters, & production outputs, to undertake comparison analysis between (1) standard practice field V (2) IFS practice field of 10+ years, within soil types. Results inform regional soil health indicator & benchmark determination, technical resources & extension tools. An extension model to engage growers in research will deliver resonating knowledge, understanding & capability including resources such as a locally validated in-field Soil Health Ute Toolkit.	\$100,000.00
The Liebe Group Inc	WA	Amelioration of subsoil aluminium toxicity for improved productivity in the Northern Agricultural Region of WA.	Aluminium toxicity in the subsoil is a major problem associated with acidic soils across the Western Australian Wheatbelt. In most Wheatbelt soils, where the subsoil pH is below 4.8, aluminium will reach levels that are considered toxic and yield limiting to crops. Current practices to ameliorate surface soil (0-20cm) acidity have been successful and farmers are now seeking validation on practices that ameliorate subsoil (below 20 cm depth) acidity and aluminium toxicity. Two demonstration sites will be established, using farmer equipment to apply and incorporate different soil amendments such as lime, gypsum, dolomite and biochar, to reduce the productivity and profitability impacts of aluminium toxicity and improve soil health. Demonstration of practices to identify aluminium toxicity using existing tools such as soil sampling to depth and methods to ameliorate the constraint will provide farmers with the confidence to trial these practices in their own environments.	\$110,890.00

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RECIPIENT LEGAL ENTITY NAME	STATE	PROJECT TITLE	SUMMARY OF APPLICATION - Purpose of the grant	Total Funding (GST Excl)
The Wine Grape Council of South Australia Incorporated	SA	Incorporating native insectary plants to create biodiverse ecosystems in and around vineyards (EcoGrowers/Eco Vineyards).	Provision of native insectary plants in and around vineyards can benefit the wine sector by providing biological control of insect pests, enhancing biodiversity, and making the landscape more attractive to tourists. Native insectary sites and biodiversity corridors will be established throughout South Australian wine regions. Growers will be shown how to establish, maintain and monitor native plants for the presence of predatory arthropods, birds and microbats. Native plants provide a range of ecosystem services including weed suppression, erosion control, aesthetics, nutrient cycling, soil water retention, enhanced soil organic carbon and biological activity. This information will help grape growers save time and money, by producing grapes with lower pest incidence, while enhancing the biodiversity of their vineyards. Educational materials will be developed to demonstrate the cost and benefit, as well as fact sheets, workshops/field days to accelerate practice change adoption.	\$199,748.34
Western Australian Agriculture Authority	WA	Showing that short periods of intensive grazing in spring will increase soil fertility and control insect pests without the use of insecticides	Research has shown that intensively grazing pastures in spring increases the availability of soil nitrogen and controls the pest red legged earth mite, leading to an increase in productivity in following growing seasons. Furthermore this tactic reduces a farmer's reliance on inorganic nitrogen fertilisers and insecticides to which some red legged earth mites have become resistant. In this project farmers and consultants will learn how to implement this tactic. Three grower groups Gillamii Centre, Southern Dirt and Fitzgerald Biosphere Group have been engaged to be part of the project. The first activity will be to run three on-farm demonstrations which will compare conventional spring grazing to short intensive grazing. Differences in soil available nitrogen and insect populations will be monitored. These demonstrations will be critical for learning. Later farmer workshops will be held and technical fact sheets produced with the aim of reaching a much larger audience.	\$192,537.00

Smart Farms Small Grants Round 2 - Successful Applicants

RECIPIENT LEGAL ENTITY NAME	STATE	PROJECT TITLE	SUMMARY OF APPLICATION - Purpose of the grant	Total Funding (GST Excl)
Barossa Grape And Wine Association Incorporated	SA	Using composts and mulches to improve undervine soil health and increase the financial and environmental sustainability and profitability of vines in the Barossa and the wider Australian wine industry	The Barossa Grape & Wine Association (BGWA) and associated growers (over 550 members) will improve their knowledge on the use of composts, mulches and other practices for improving undervine soil management. With a warmer, drier climate and limited water allocation, they are facing fundamental soil health and resilience issues. Key project activities include a landholder survey, documentation of the type and amount of products available, review of established compost demonstration areas, establishment of long term monitoring sites, and development of decision support information including demonstration of best practice. Landholders will be provided with techniques they can use to ameliorate issues linked to soil acidity, soil structure, salinity and moisture storage capacity to give them more ability to deal with climate change. Participants will gain skills in understanding available products, diagnosis and measurement of soil issues, and options for treatment with composts and mulches.	\$127,000.00
Burnett Mary Regional Group for Natural Resource Management Ltd	QLD	Saving Soil in the Burnett Mary	The project will improve water quality in the Burnett Mary by targeting gully erosion and building the capacity of land managers to carry out effective remediation on their own property. The project will build on the existing highly regarded soil conservation service provided by Burnett Mary Regional Group by extending advisory services for land managers in the region, one of the recommendations in the Regional Extension Services Strategy. Additionally, it will incorporate the development of practical sites demonstrating best practice, low cost remediation techniques, provide peer to peer learning opportunities and engagement with land managers to develop locally relevant information. Techniques to engage land managers will include one-on-one engagement and group events as well as extension material.	\$200,000.00

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Environs Kimberley Incorporated	WA	Enriching Kimberley native food producers and enhancing ecosystems	Bush food products are an increasingly popular food item. Demand is currently not met and as supply increases it is impacting stocks and the environment as best practice methods are not developed or widely adopted. This project will focus on 2 best practice production methods (Activity 1. Savannah Enrichment for Gubinge (Kakadu Plum) and Activity 2. Wild harvesting of abundant Acacia seed) that with widespread acceptance will allow increased supply with low environmental impacts. For both methods, pilot sites will be established, sustainable benefits recorded and best practice guidelines developed. Capability and method adoption in the producer community will then be increased (Activity 3) through workshops; site visits; distribution of materials and communication activities for other Aboriginal groups, pastoralists and other producers; and TAFE training for 15 aboriginal students. The project is in collaboration with the Karajarri Aboriginal community ensuring great public benefit.	\$192,160.00
Heytesbury District Landcare Network Inc	VIC	Improving soil health and farm productivity by activating soil biology	Industry thought-leaders, dairy farmers and NRM organisations are joining together to improve soil health on 6 dairy focus farms and engage more than 100 other farmers in South West Victoria. Through a combination of field days, workshops and on-ground activities, the outcomes are expected to be increased soil biology and thus improved soil and animal health. International soil expert Nicole Masters will lead a collaborative team through a process of identifying soil and animal health constraints associated with a lack of soil biology and provide a pathway for the nominated dairy farmers to plan and implement remedial on-farm activities. Supported by Heytesbury District and Central Otways Landcare Networks, Agriculture Victoria and Corangamite CMA, selected regenerative farming techniques such as applying compost, biochar, biofertilisers and revegetating paddocks will be undertaken. Associated testing will quantify the improvement in soil and pasture condition.	\$190,840.00

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Kangaroo Island Natural Resources Management Board	SA	Use of native flora and fauna for regional and on-farm integrated pest management (IPM) and biosecurity in high-value horticulture and viticulture on Kangaroo Island (KI).	The project will work with 6 industry participants and 3 industry groups to investigate and trial/demo IPM in high-value seed potato horticulture (1 site) and viticulture (1 site) on KI. It will examine existing knowledge, including a previous study on the multiple benefits offered by native vegetation on KI, to develop recommendations and strategies for improving native vegetation/habitat management to increase its pest suppression, pollination, amenity, tourism, marketing values and to maintain KI's disease free status for seed potatoes. It will survey key areas for pest/vector/weed species and develop KI and industry specific planting lists. On-ground works will include vegetation management, revegetation, and installation of roosting boxes/bird perches. Extensive communications/engagement activities will build the skills and understanding of participants, key stakeholders and the public. Resulting costs/benefits will be monitored and assessed. Novel financing options will be explored.	\$200,000.00
Kimberley Pilbara Cattlemen's Association Inc.	WA	Improving the health and resilience of pastoral leases across the Kimberley and Pilbara through rangelands rehydration and restoration techniques.	The Kimberley Pilbara Cattlemen's Association will work to support pastoralists in the Pilbara & Kimberley to improve the health and resilience of the environment through the development of a rangelands rehydration/restoration plan and the implementation of on-ground works. The plan will include strategic direction for remediation techniques to restore surface water flow, improve water infiltration, increase vegetation growth and reduce sediment runoff. Station staff will also be upskilled in how to best use earth working machinery to implement the plan by learning from experts who have spent their entire lives refining leading practice. We will also facilitate industry-wide learning through field days and demonstrations which will include presentations on managing grazing pressure and setting up station-wide monitoring to determine project success. The distribution of fact sheets and case studies will also improve understanding of and confidence in rehydration works.	\$200,000.00

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RECIPIENT LEGAL ENTITY NAME	STATE	PROJECT TITLE	SUMMARY OF APPLICATION - Purpose of the grant	Total Funding (GST Excl)
Select Carbon Pty Ltd	TAS	Selecting for carbon - improving producer capacity to increase soil carbon and groundcover	Livestock producers from the rangelands of NSW and WA will learn how to increase soil carbon, improve groundcover and regenerate pastures through innovative management and identifying 'response zones' on their properties. Forty producers covering over 6M ha will participate in action learning groups to develop their capacity to identify areas of their property with highest carbon sequestration potential by combining local knowledge and remotely sensed data, and implementing innovative grazing management, surface water management and/or dispersal of native grass seeds to improve soil and pasture condition. Activities include: application of published modelling techniques to zone extensive properties typical of the rangelands, establishment of a producer-led soil condition monitoring program, and on-farm demonstrations of innovative management. Participants will gain skills to assess and monitor soil condition, and to capture the benefits from carbon farming and green-market premiums.	\$180,000.00
South Australian No-Till Farmers Association Inc	SA	Sustainable soil management for Australian cotton growers by scaling up new Water-Jet technology.	In this project, cotton farmers, advisors and natural resource managers will learn how the new Water-Jet technology is a means to improve soil health and increase productivity. Research over the last 2 years has established that Water-Jet technology can enhance soils by reducing cultivation at the end of the cotton season. This project will demonstrate that a research prototype is scalable and can be adopted by cotton growers and contractors to improve the management of soils. 5 cotton farms will host public demonstrations of the world's first farm scale Water-Jet machine. Attendees will learn the fundamentals of the new technology, how it can be applied at farm scale and what the implications are for improving the management and productivity of soils. A follow up monitoring program and field day will assess the results 3 months after application. All outcomes will be documented and broadly disseminated by the Dryland Cotton Research Association and NSW Local Land Services.	\$146,000.00

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RECIPIENT LEGAL ENTITY NAME	STATE	PROJECT TITLE	SUMMARY OF APPLICATION - Purpose of the grant	Total Funding (GST Excl)
The University of Western Australia	WA	Farm demonstration to fast-track restoration of soil condition using permeable biomass barriers	This project will use a large scale field demonstration to show how up-scaling novel soil restoration practices can re-establish productivity on degraded areas of farmland. A field demonstration will be located on degraded pasture exposed to localised salinity and erosion on the University of WA's farm near Pingelly WA. Land managers affiliated with Wheatbelt NRM and the Shires of Brookton and Pingelly will learn how to install permeable biomass (waste organic matter) barriers placed strategically among recent plantings of native trees, shrubs and perennial pasture species to fast-track soil restoration on degraded pockets within a farm. The field demonstration will be based on success of an existing small-scale initiative (Treōwstede) near Brookton. Two field days will provide hands-on experience to participants during the project through instillation and monitoring phases. Land managers skills in implementation will be reinforced during development and use of a procedural manual.	\$113,995.00
Yarram Yarram Landcare Network Inc	VIC	Building fisheries productivity through community-led habitat restoration	An established local community team of professional fishers, terrestrial farmers and Landcare members will replant marine seagrass meadows in Corner Inlet, Victoria. Restoring the seagrass habitat will increase the productivity of the Corner Inlet fishery and repair the damage caused by decades of poor water quality in the catchment. The 19 licensed fishers in Corner Inlet will work together with members of the Yarram Yarram Landcare Network to collect the fruit of the native Broadleaf Seagrass (<i>Posidonia australis</i>), germinate seedlings in large tanks, plant them into sandbags, then distribute the sandbags into areas where seagrass has been lost. This will be the largest single seagrass restoration project ever attempted in Australia, aiming to restore up to 200ha of seagrass within two years.	\$200,000.00