

## Funded by Sustainable Farming Fund

Ministry for Primary Industries  
Manatū Ahu Matua



### Approved for SFF main round funding 2018 – projects to commence from 1 July 2019

Project title	Applicant group	Total MPI amount	Project summary
<b>Mineralisable N to improve on-farm N management</b>	Mineralisable N Management Group	\$471,553	On-farm validation and education of a new soil mineralisable N test to minimise unnecessary fertiliser N use and reduce N losses to the environment.
<b>Sustainable management of grass grub</b>	Foundation for Arable Research	\$248,800	Best practice management for insect pests of arable crops in a post-pesticide environment.
<b>Mussel Restoration in the Marlborough Sounds</b>	Marine Farming Association	\$398,230	This project will deliver ecological benefits & increased seed supply to Greenshell aquaculture by restoring mussel beds to the Marlborough Sounds.
<b>Tararua Plantain Rollout</b>	Tararua Plantain Community of Interest	\$600,000	To achieve adoption of plantain on Tararua dairy farms, achieving farm business and community resilience, and quantified gains in water quality.
<b>Fertigation - A new tool for nutrient management?</b>	IrrigationNZ	\$122,000	Investigation into the use of fertigation as a tool for improving production whilst better managing nutrients on irrigated cropping and pasture farms.

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<b>Managing wetlands as farm assets</b>	NZ Landcare Trust	\$495,410	Farmers will demonstrate ways of managing wetlands to increase multiple benefits on farm with support from industry and agencies.
<b>Onion Pathways: Sustainable onion production system</b>	Onions New Zealand Inc	\$470,539	Onion Pathways will deliver new grower-validated crop management approaches to reduce agrichemical residues and boost industry export market potential.
<b>Adoption of Good Practice Fish Screening</b>	IrrigationNZ	\$105,000	Fish screening remains a significant issue for irrigators - this project will fill knowledge gaps and support the adoption of good practice.
<b>Flexible milking for healthier people and cows</b>	3-in-2 for people, cows, and profit	\$499,536	Optimise and increase the use of the farmer-led innovation of milking cows 3 times in 2 days to improve people and cow health, and farm profitability.
<b>Advanced Crop Load Management of Pipfruit Trees</b>	New Zealand Apples & Pears Inc.	\$426,924	Apple growers will improve their use of spatial crop data & adapt new sensors to better manage New Zealand's apple crop load, increasing sector profitability.
<b>Building Bee Capacity for Sustainable Rural Growth</b>	The Bee Friendly Farming Group	\$299,923	Building bee capacity by training people to plant for bees, enabling nurseries to supply bee plants and providing tools to design bee plantations.

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<b>Building capability to manage biosecurity threats</b>	New Zealand Apples & Pears Inc	\$422,905	Project to develop the pipfruit industry's capability to mitigate the impact of biosecurity incursions on market access, productivity and quality.
<b>Participatory research: enhanced research adoption</b>	Southern Dairy Hub Farmer Reference Group	\$474,512	Using commercial dairy farms we will increase adoption of research for better environmental outcomes and stronger rural communities in Southland/Otago.
<b>AvoVantage</b>	New Zealand Avocado Industry Ltd and growers	\$488,845	Developing practical, sustainable and effective Best Practice guidelines for the management of fruit rots on avocado orchards.
<b>Opportunities of Shelterbelts in Farming Systems</b>	Shelterbelt Reinvigoration Cooperative (Hosted by Massey University)	\$502,106	This project will investigate the benefits, opportunities, and challenges of shelterbelts in pastoral systems and support its further adaptation.
<b>Biological control for nassella tussock</b>	Marlborough Farmers Nassella Tussock Group	\$580,000	Potential biocontrol agents will be investigated for the control of the weed nassella tussock which occupies over 520,000 ha in New Zealand.
<b>Future-proofing thrips management in strawberries</b>	Strawberry Growers New Zealand Incorporated (SGNZ)	\$485,940	Developing solutions for thrips problems in New Zealand strawberry production: Overcoming barriers in

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			the implementation and uptake of IPM strategies.
<b>Improving cow and calf welfare in week one of life</b>	Welfare matters action group	\$263,263	Improving welfare of calves and dams by finding management strategies to improve a calf's ability to feed off its dam in the first 24 hours.
<b>Ethically and sustainably produced high value lamb</b>	Beef + Lamb New Zealand on behalf of the Low Input Group Breeders	\$600,000	Enable selection of fit for purpose efficient sheep with low methane emission that meet consumers demand for safe, ethical, high quality natural food.
<b>Control of anthracnose disease in feijoa</b>	NZ Feijoa Growers Association Inc	\$356,368	This project will develop a control program to protect the New Zealand feijoa industry from an aggressive anthracnose disease that causes premature fruit drop.
<b>Towards a sustainable and resilient future for maize</b>	Genetic Technologies-Foundation for Arable Research-Plant & Food Research	\$410,212	Investigate best cover crop establishment method under maize to mitigate N leaching. Quantify N use to provide a base for appropriate recommendations.
<b>Native trees from seed: a North Otago field trial</b>	Fieldlab	\$38,083	A small-scale pilot study investigating the impacts of a range of factors on the establishment of native plant species from seed.

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<b>Cattle grazing time for selective anthelmintic use</b>	Farmers for sustainable heifer rearing	\$142,620	Remote monitoring of calf grazing time + monthly weighing from 4-16 months will target anthelmintic use to animals with a production limiting burden.
<b>Understanding the impacts of sheep winter grazing</b>	NZ Landcare Trust	\$382,773	The project will quantify nutrient, sediment and faecal losses from sheep winter crop grazing – project includes a comprehensive extension programme.