

Project Description	FWPA Investment (\$)	Total Project Costs (\$)	Status	Project No.
Program 4 - Increasing resource availability and reducing risk				
AGVET Commonwealth Agreement (ID 4-B14CTJ9)	63,750	63,750	Active	PNC487-1819
University of the Sunshine Coast				
Boosting Diagnostic Capacity for Plant Production Industries	90,000	14,826,135	Active	PNC499-1920
Grains R & D Corporation				
Advanced real-time measurements at harvest to increase value recovery	200,000	2,080,612	Active	PNC465-1718
University of the Sunshine Coast				
Characterising native forest structure from co-incident terrestrial and airborne LiDAR	59,254	278,941	Active	PNC546-2021
NSW Department of Primary Industries				
Improved tools to predict fertiliser response and profitability in softwood plantations across Australia. Component 2: Eastern Australia	236,929	1,642,541	Active	PNC477-1819
TreeMod				
Optimising nutrition management of hardwood plantations for sustainable productivity and profitability	182,705	1,644,183	Active	PNC478-1819
WA Plantation Resources Pty. Ltd.				
Reducing the risk of other myrtle rust strains entering Australia and the Pacific.	10,000	63,813	Active	PNC556-2021
Department of Agriculture, Fisheries and Forestry QLD (DAFF)				
Review of current technology in mechanical & robotic tree pruning equipment	7,300	7,300	Active	PRC522-2021
University of the Sunshine Coast				
Australian Forest Herbicide Research Consortium	294,990	1,344,990	Active	PNC439-1718
University of the Sunshine Coast				
Developing plantation trees better adapted to changing environments	91,316	276,316	Active	
Tree Breeding Australia Ltd				
Improving wood quality in radiata and southern pines	300,000	300,000	Completed	PNC547-2021
Southern Tree Breeding Association				
Incorporating genomic data in TREEPLAN evaluations to increase genetic gain	677,737	1,444,813	Completed	PNC428-1617
Southern Tree Breeding Association				

Sustainability webinar series	9,600	9,600	Completed	PNC408-1516
STR Consulting Pty Ltd				
Biological Control of Giant Pine Scale in Australia	317,501	1,004,568	Active	PRC551-2021
Agriculture Victoria				
Monitoring parasitoids of Gonipterus weevils in Australian eucalypt plantations	20,000	64,277	Active	PNC489-1819
University of the Sunshine Coast				
Plant Biosecurity Research Initiative Phase II 2021-23	60,000	802,000	Active	PNC550-2021
Plant Biosecurity Research Initiative				
Plantation Forestry Biosecurity Plan Review	57,040	144,510	Active	PRC521-1920
Plant Health Australia				
Production Forest Methodologies for the Emissions Reduction Fund	110,000	501,050	Completed	PRC468-1819
NSW Department of Primary Industries				
Sustainability Scoping Study	38,950	38,950	Completed	PNC354-1415
STR Consulting Pty Ltd				
Alignment of Australian and New Zealand Forest Valuation Standard Methodologies: Project Plan	90,090	90,090	Completed	PRC451-1718
Institute of Foresters of Australia Inc				

Project Description	Commonwealth and Industry Co-investment	Total Project Costs	Status	Project No.
A tool to predict fertiliser response and profitability in softwood plantations across Australia. Component 1: South West WA	193,475	522,225	Active	VNC476-1819
McGrath Forestry Services Pty Ltd				
Characterising and managing fire risks to plantations under changing climates	452,000	1,014,194	Active	VNC518-1920
University of Melbourne (Forestry)				
Demonstrating Stewardship of the Environment and Ecologically Sustainable Forestry: Monitoring the Effectiveness of the Tasmanian Forest Practices Code for Biodiversity	134,179	134,179	Active	VNC457-1718
Forest Practices Authority				
Development of fit for purpose silviculture linking plantation management and productivity to wood properties	27,876	67,876	Active	VNC530-2021
University of South Australia				

Innovation in value realisation through the supply chain and supply chain technology	225,000	225,000	Active	VNC513-1920
University of the Sunshine Coast				
Mobile applications to support stakeholder surveillance of exotic forest and environment pests	56,000	56,000	Active	VNC514-1920
Plant Health Australia				
Next Generation Resource Assessment and Forecasting for Australian Plantation Forestry	83,334	238,117	Active	VNC519-1920
CSIRO Sustainable Ecosystems				
Operational immersive visualisation and measurement of dense point cloud data in forest inventory	162,000	362,184	Active	VNC520-1920
University of Tasmania				
Silvicultural systems to optimise value from northern Australian Mahogany Plantations	1,010,000	1,570,000	Completed	VNC402-1617
McGrath Forestry Services Pty Ltd				
Development of a portfolio of alternative weed control strategies for use in plantations	60,000	110,000	Active	VNC529-2021
University of South Australia				
Incorporating genetics into forest valuation models – IRRPLAN	698,998	917,936	Active	VNC480-1819
Tree Breeding Australia				
Industry wide application of advanced breeding tools and systems – Tree Breeding Australia	1,938,085	3,419,068	Completed	VNC406-1516
Tree Breeding Australia				
Optimising plantation productivity through improved fertilizer regimes	100,000	435,000	Active	VNC422-1617
McGrath Forestry Services Pty Ltd				
Quality assurance in the pedigree of radiata pine	50,000	160,000	Active	VNC561-2021
Tree Breeding Australia Ltd				
Sirex biocontrol: cryptic nematode field strain prompts urgent review of program	105,553	275,553	Active	VNC517-1920
University of the Sunshine Coast				
Tools, systems and enabling genetic technologies for pines and eucalypts	409,142	1,393,893	Active	VNC515-1920
Tree Breeding Australia Ltd				
Re-measurement of lower-rainfall farm forestry species in Victoria to improve genetic quality and establishment	11,000	11,000	Completed	VNC494-1920
David Dore				

A model system for the discovery and development of biocontrol agents against forest pests	300,000	300,000	Completed	VNC418-1617
University of the Sunshine Coast				
Giant Pine Scale Chemical Control	263,000	263,000	Active	VNC450-1718
HVP Plantations				
Giant Pine Scale Postgraduate Research Scholarship Agreement	105,000	105,000	Active	VNC472-1819
La Trobe University				
The Industry Plantation Management Group – Applied Research and Extension	682,500	682,500	Active	VNC458-1718
WA Plantation Resources Pty. Ltd.				
Log Haulage Registered Code of Practice (LHRCoP)	195,000	195,000	Active	VNA434-1617
Australian Forest Products Association				
Developing exotic pest surveillance capacity in high risk areas across Australia	255,000	255,000	Active	VNC512-1920
Plant Health Australia				
Optimising productivity of hardwood plantations: yield gap analysis for Eucalyptus globulus plantations in southern Australia	240,000	6,259,973	Active	VNC516-1920
McGrath Forestry Services Pty Ltd				
Triple-M IoT – Exploring the use of the Internet of Things in Monitoring and Managing Moisture in production forestry and landscape fire management	50,000	140,000	Active	VNC560-2021
Indicium Dynamics Pty Ltd				

Funded in 2020 – current or recently completed

FWPA Code	Project title
	Voluntary Matching funding
VNC529-2021	Development of a portfolio of alternative weed control strategies for use in plantations.
VNC530-2021	Development of fit for purpose silviculture linking plantation management and productivity to wood properties.
VNC512-1920	Developing exotic pest surveillance capacity in high risk areas across Australia
VNC513-1920	Innovation in value realisation through the supply chain and supply chain technology
VNC514-1920	Mobile applications to support stakeholder surveillance of exotic forest and environment pests

FWPA Code	Project tile
VNC515-1920	Tools, systems and enabling genetic technologies for pines and eucalypts
VNC517-1920	Sirex biocontrol: cryptic nematode field strain prompts urgent review of program
VNC518-1920	Characterising and managing fire risks to plantations under changing climates
VNC519-1920	Next Generation Resource Assessment and Forecasting for Australian Plantation Forestry
VNC520-1920	Operational immersive visualisation and measurement of dense point cloud data in forest inventory
PRC521-1920	Optimising productivity of hardwood plantations: yield gap analysis for Eucalyptus globulus plantations in WA and Victoria

Funded in 2022 – current projects

Title
Forest Pest Management (FPM) Research Consortium
Managing Teratosphaeria through resistance breeding
Microbiome Management: Leveraging advances in microbiome research to deliver cost-effective tools to boost resilience and productivity of pines throughout their production lifecycle
Forest Supply Chain Value Optimisation
Geospatial positioning and fusion: is real-time sub-metre, accuracy operatuionally feasible in forestry environments.
Enhancing biological control of invasive Eucalyptus weevils in Australia's eucalypt plantations
Increased and sustained productivity gains in national tree improvement programs for softwood and hardwood plantations
Using genomics to double the rate of genetic gain in Australian forest tree improvement programs
Drought proofing our plantation estate – improved methods to efficiently manage water stress and productivity under a drying climate
Enhancing the knowledge base for hardwood plantation management

Funded through NIFPI Gippsland Round 1 – current projects

Proposal name
Autonomous detection and deterrent devices for browsing management in forested landscapes
Harnessing the power of airborne high spatial resolution hyperspectral imagery for the softwood plantation industry

Funded through NIFPI Gippsland Round 1 – current projects

Proposal title
Understanding Soil Resources for Radiata Pine Plantation productivity
Innovative nursery management solutions to sustainably manage root disease, improve nursery utilization, and enhance resilience and productivity of planted pines
Sustained productivity gains in softwood plantations through enablement of single-step genomic selection.
A feasibility study of a commercially available remote-controlled and high-rate tree pruning unit to create fuel modified zones in softwood plantations.