





# Forestry Annual Monitoring Report 2022-2023 FOR-OVA-REP-Annual Monitoring 2022-2023-AUS-Rev 0

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18/08/2023

Revision	Name	Position	Date	Change Notes
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## 1. SCOPE AND PURPOSE

This Report demonstrates progress towards achieving the management objectives by mitigating and evaluating the impacts of management activities and the condition of the Management Unit proportionate to the scale, intensity and risk of management activities.

#### In-scope

Period: 1 July 2022 - 30 June 2023 - (Unless otherwise indicated)

Date of Report: 30/06/2023

Applicable to all Quintis-controlled properties.

#### Out-of-scope:

PPC, Albany and Perth Office facilities

#### 2. **RESPONSIBILITIES**

OWNERSHIP	RESPONSIBILITY
HSE Group Manager	The Author of this Report is the Subject Matter Expert (SME) identified by the Quintis to best create this document. The Author will remain responsible for its update as required and in conjunction with the Compliance Officer.
Document Controller	The Document Controller is responsible for the creation of Templates and the upload of documents to the Quintis Document Management System (DMS). They are also responsible for the maintenance of the Document Rollout Process and the implementation of rolling out changes and new documents to the appropriate managers or external parties where applicable.

## **3.** GENERAL REQUIREMENTS

Quintis Forestry will monitor the implementation of its Forestry Management Plan, including its policies and management objectives, its progress with the activities planned, and the achievement of its verifiable targets.

We schedule the monitoring in the Management Planning cycles, so that monitoring results can be used in decision-making at an early stage of the planning of a new cycle. Our monitoring procedures shall be consistent and replicable over time, suitable for quantifying changes over time with spatial scales appropriate to the indicator and value, and suitable for identifying risks and unacceptable impacts beyond defined acceptable ranges. Monitoring shall include the changes of the conditions of the Management Unit, with and without interventions.

## 4. ENVIRONMENTAL AND SOCIAL IMPACT MONITORING

We monitor and evaluate the environmental and social impacts of the activities carried out in the Management Unit, and changes in its environmental condition.



## 4.1 LEGAL COMPLIANCE

Forestry activities conducted at our controlled properties will comply with all applicable Legislative and Australian Standards requirements. A register of applicable legislation is compiled in the Quintis Legal Register maintained by the Quintis Legal Department. Quintis also subscribes to the Environmental Essentials and HSE LawGuides that issue periodic updates to National, State and Territory Legislation.

## 4.2 ECONOMIC SUSTAINABILITY

The annual budget process was undertaken showing expected costs and revenues for the upcoming financial year. Multiple forecasts were prepared throughout the period to ensure net operating expenditure fit within the group's financial objectives.

Variances to budget/forecasts documented and understood, including for relevant plantation owners.

## 4.3 UNAUTHORISED ACTIVITIES

Illegal or unauthorised activities are reported and recorded via the Incident Reporting and Investigation Procedure and the records maintained in the Quintis HSE Database MYOSH.

Event Reports:	Unauthorised Access	Unauthorised Activity	Theft	Illegal Activity
2020-2021	0	0	1	0
2021-2022	0	1	0	0
2022-2023	1	0	2	0

Table 1 - Unauthorised Activities

#### 4.4 DISPUTE AND GRIEVANCE RESOLUTION

We have implemented a documented Grievance Handling Procedure. A Grievance Register is maintained to document and record all disputes and grievances. The Grievance Register is considered private and confidential.

#### 4.5 WORKERS CONDITIONS

"Ethical Audits" of major Contractors and our internal "Better of Overall Tests" are conducted annually to monitor compliance with employment conditions and legislative requirements.

Reviews	Better Of Overall Test (Quintis)	Ethical Audit (Contractors)
2020-2021	1	1
2021-2022	1	0
2022-2023	1	0

#### Table 2 - Better overall and Ethical Audits

#### We are an equal opportunity employer who values diversity amongst our workforce:

Employee Diversity	Male	Female
2020-2021	71%	29%
2021-2022	69%	31%
2022-2023	80%	20%

#### Table 3 - Employee Diversity





#### 4.6 WELLNESS PROGRAM

To promote fitness, nutrition, mental health and overall wellbeing, permanent employees are entitled to a bi-annual reimbursement for expenses claimed for wellness-related purchases.

Wellness Program	Percentage of uptake by permanent employees
2020-2021	21%
2021-2022	88%
2022-2023	69%

Table 4 - Wellness Program Uptake

#### 4.7 HEALTH AND SAFETY

Our Forestry Safety Management Plan identifies requirements for Safety including Targets and Objectives that form part of the Forestry continuous improvement model. Targets and Objectives are reviewed on an annual basis and provide a quantifiable measurement of the implementation of our systems.

We review our Occupational health and safety procedures and programs in consultation with our employees and the requirements are rolled out via site-specific inductions, prestart meetings and via scheduled toolbox meetings.

Implementation of Plans, Procedures Actions and Initiatives are monitored via inspections and audits and records maintained in the Quintis HSE Database MYOSH.

#### 4.8 RISK MANAGEMENT

Our Forestry Risk Assessment includes all activities undertaken within our operations and identifies the hazards associated with each activity. An initial risk ranking, controls and residual risk ranking is identified for each activity. A Safety Lookout (SLO) is developed for each activity with a residual risk of either medium or high.

Risk Management Activity	Planned Risk Assessment Review	Actual Risk Assessment Review	Identified SLO's to be Developed/Reviewed	Actual SLO's Developed/Reviewed
2020-2021	1	1	40	44
2021-2022	1	1	58	60
2022-2023	1	1	35	36

Table 5 – Risk Management

#### 4.9 INJURY REPORTING

We record all incidents associated with our works including the following recordable events: Lost Time Injuries, Restricted Duties injuries and Medical Treatment Injuries.

Injury Reports	Lost Time Injuries	Restricted Duties injuries	Medical Treatment Injuries
2019-2020	6	0	4
2020-2021	2	1	2
2021-2022	2	2	1
2022-2023	0	0	0

Table 6 - Reportable Injuries



## 4.10 AUDITS

We conduct scheduled internal, and 3<sup>rd</sup> party external audits annually on our work activities, infrastructure and plantations.

Audits	Internal Audits	ISO Audits	Other External Audits	Arthur Creek Dam
2020-2021	1	3	2	1
2021-2022	1	1	4	1
2022-2023	5	1	2	1

#### Table 7 - Internal and External Audits

#### 4.11 ACTIONS

Corrective actions from incident investigations, hazard reports, audits, and inspections are maintained within MYOSH (the Quintis reporting database), and all identified actions are assigned an accountable individual and due dates.

Actions	Percentage closed by due date
2019-2020	46%
2020-2021	74%
2021-2022	86%
2022-2023	87%

#### Table 8 – Actions Closed by Due Date

### 4.12 INSPECTIONS

We conduct scheduled internal inspections on our work activities, infrastructure and plantations including site inspections, fence line inspections, camp and accommodation inspections, bore safety inspections, fire unit inspections, electrical/RCD and fire extinguisher inspections, vehicles and chemical stocktakes.

Inspection Type	Site Inspection	Fence Line	Camp	Quintis House	Bore Safety	Weekly Fire Unit (Dry Season)	Monthly Fire Unit (Wet Season)	Fire Extinguisher	Electrical Equipment (Inc RCD)	Chemical Stocktakes	Vehicle	Potable Water	Total
2020-2021	31	4	16	11	11	189	25	5	2	12	137	18	450
2021-2022	67	4	12	11	4	223	28	6	4	12	212	18	601
2022-2023	66	4	11	18	5	201	24	11	4	12	513	24	892

Table 9 - Inspections

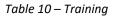


#### 4.13 TRAINING

All Quintis employees complete a Quintis induction upon mobilisation. All persons undertaking activities onsite complete a site-specific induction prior to commencing work. A site-specific visitors induction is conducted for all other personnel attending site who are not performing work activities.

We have developed a training needs analysis to identify professional development, site, role and induction training requirements. Completed training records and expiry dates, where applicable, are maintained in the Quintis Training Database MYOSH.

Training Type	VOC's	First Aid	Fire Fighting	Professional Development	Inductions	Toolboxes	Other
2020-2021	149	46	7	3	113	8	18
2021-2022	96	24	7	3	344	8	28
2022-2023	62	9	8	3	345	11	19



## 4.14 COMMUNITY ENGAGEMENT

As an active member of our local communities, we will develop a local authority support plan that will include sponsorship of events and organisations, local emergency response support and assistance and participation in local forestry industry activities.

Initiatives	Donations of unused equipment, materials, hardware, electronics, machinery, tools to non- for-profit organisations.	Local community Initiatives that support vulnerable or disadvantaged persons.	Sponsorship of organisations or events that support communities.	Infrastructure contributions for use, and attendance at community emergency training.
2020-2021	0	1	1	0
2021-2022	0	1	1	0
2022-2023	3	3	2	1

Table 11 - Community Support



Stakeholder Communications	Consultants	Contractors	Emergency Services	Client/Customer	Indigenous Groups	Industry Representative Bodies	Lessor	Local Communities	Local Government	Neighbours	Recreational Users	Support local emergency	Research cooperation and participation	Regulator/Government Department
2020-2021	5	170	0	3	21	4	0	2	1	19	0	2	0	0
2021-2022	19	575	1	13	58	5	12	21	12	87	1	1	1	21
2022-2023	9	461	1	4	62	4	8	13	6	91	0	0	0	5

We have implemented a Stakeholder Communications Register that records all communications with key stakeholders including indigenous groups, local communities, neighbours, industry bodies and Contractors etc.

Table 12 - Community Engagement

## 4.15 CULTURAL HERITAGE

Indigenous stakeholders have been identified for each region in the Cultural Heritage Management Plan and ongoing consultation is being conducted. The number of engagement activities have been included in *Table 12 Community Engagement*.

Areas of cultural heritage significance have been identified in the region-specific Special Values Area Plans and inspection and monitoring of the identified areas has been included in section 5.16 Special Values Areas.

## 4.16 LOCAL CONTENT

Where possible we employ personnel from the local regional areas and utilise local Contractors and service providers as a preference and our forest products are processed utilising local service providers and processing facilities.

Local Content	Contractors (%)	Employees (%)	Expenditure in Community (%)
2020-2021	90%	94%	93%
2021-2022	92%	94%	94%
2022-2023	98%	97%	94%

Table 13 – Local Content



## 5. PLANTATION MONITORING

We have developed an Estate Model which undergoes continuous improvement and development as we evolve and evaluates different scenarios whilst striving for sustainability. Aside from general model updates arising from the evaluation of different sales and marketing strategies, the model requires to be updated:

- At the 31st of December to reflect the area statement as at end of a calendar year.
- At the 30th of June to incorporate the yield estimates from annual inventory programmes (refer to Annual Inventory Report).

Ownership class is fundamental to rotation age and replant; the area owned by Quintis is the only area which Quintis has full control over with respects to rotation age to smooth harvest profile arising from historical planting and a fixed rotation length for the majority of the estate.

We have developed a Sustainable Biomass Waste Recovery and Value Adding Program Plan that identifies the sustainable Biomass waste recovery and value adding products from silviculture and harvest activities and subject to the results of the assessment.

## 5.1 CARBON

The usage of forestry and agriculture biomass as feedstock supply for emerging bio economies represents the basis of a sustainable circular economy. Integrated land management techniques and mindset changes are key to fundamentally transforming previously considered waste products into suitable feedstock for markets.

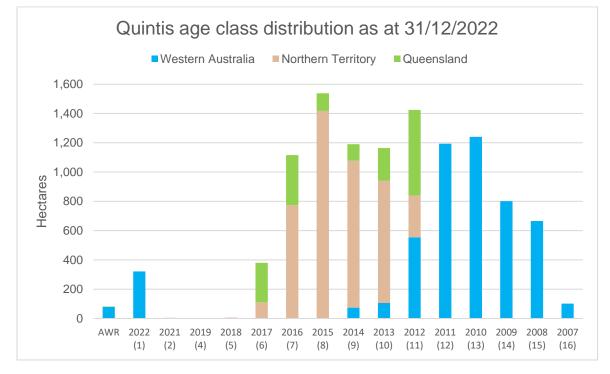
Sandalwood plantations in Australia offer a unique opportunity in the supply of woody biomass into regional bio-hubs in support of the circular economy. The plantations are established in such configurations that for each sandalwood tree planted on average two long-term host trees are planted to support the growth of this hemiparasitic crop.

Quintis have implemented a number of studies to support emerging local and regional biomass markets and to improve the sustainable management of the tropical sandalwood plantation resource. Desktop biomass assessment studies to ascertain indicative market viabilities by determining biomass quantities from plot-based measures and developing host species-specific aboveground biomass profiles.

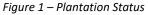
Based on these studies a feasibility project that will look at the potential of a pilot plant to utilise excess biomass for the production of biochar products and co-generation electricity is currently underway.

We have developed a Sustainable Biomass Waste Recovery and Value Adding Program Plan that identifies the sustainable Biomass waste recovery and value-adding products from silviculture and harvest activities.





## 5.2 PLANTATION STATUS



## 5.3 FOREST PRODUCTS

Region	NT		Q	LD	WA	
Harvest Area	Planned	Actual	Planned	Actual	Planned	Actual
2021	0	0	0	0	257.9 ha	257.9 ha
2022	0	0	0	0	273.4 ha	196.5 ha
2023	0	0	0	0	215.2 ha	In Progress

Harvest - Our harvest consists of timber products only.

#### Table 14 - Harvest

Establishment

Region	NT		Q	LD	WA		
Establishment Area	Planned	Actual	Planned	Actual	Planned	Actual	
2021	0	0	0	0	4.4 ha	4.4 ha	
2022	0	0	0	0	329.3 ha	321.5 ha	
2023	0	0	0	0	0	0	

Table 15 – Establishment



#### 5.4 CONVERSION

No conversion from natural forest to plantation has taken place since the annual monitoring report commenced in 2020.

Region	NT		QLD		WA	
Conversion Area	Planned	Actual	Planned	Actual	Planned	Actual
2021	0	0	0	0	0	0
2022	0	0	0	0	0	0
2023	0	0	0	0	0	0

Table 16 – Land Conversion

#### 5.5 GROUNDWATER IRRIGATION (NT)

We will continue to further our research in regard to irrigation management and ensure we do not exceed our water licence allocation.

Year	2020-2021	2021-2022	2022-2023
Water Allocation Used%	59%	79%	83%

Table 17 – Groundwater Irrigation Allocation Used

#### 5.6 SILVICULTURE

Continuous improvement of silvicultural practices through Research and Development results – There are several ongoing silviculture trials. These trials are assessed annually.

Number of technical recommendations						
Region	NT	QLD	WA			
2020-2021	6	2	1			
2021-2022	4	0	0			
2022-2023	10	2	2			

Table 18 – Silviculture Technical Recommendations

Silviculture Activity	Canopy Management				Pruning	
Region	NT	QLD	WA	NT	QLD	WA
2020-2021	397 ha	420 ha	262 ha	343 ha	369 ha	960 ha
2021-2022	624 ha	630 ha	0 ha	1180 ha	0 ha	0 ha
2022-2023	955 ha	0 ha	0 ha	1986 ha	0 ha	0 ha

Table 19 – Silviculture Activity



## 5.7 GENETICALLY MODIFIED ORGANISM (GMO)

A genetically modified organism (GMO) is an animal, plant, or microbe whose DNA has been altered using genetic engineering techniques.

Genetically modified improvement is performed by targeting specific modification of DNA using biotechnology that speeds up the improvement process and changes the genetic makeup of an organism without unwanted characteristics tagging along.

For thousands of years, humans have used breeding methods to modify organisms. Agricultural crops, cattle, pets and Forest trees, for example, have been selectively bred over generations to have certain desired traits. This conventional method of modifying plants and animals is selective breeding.

Quintis has a dedicated tree breeding program that uses only selective breeding. Quintis does not have any GMOs within its managed plantations.

#### 5.8 EXOTIC SPECIES

We have identified the potential risk associated with the introduction of Exotic Species and identified controls that are recorded in the Forestry Risk Register. (Extract included as Appendix A – Exotic Species Risk Review).

We will implement a process that if any wildings are identified they will be reported to the Plantation Manager, a Hazard report raised and actions identifying the required treatment will be included in the Quintis HSE Database MYOSH.

Wildlings External to Plantation	NT	QLD	WA
2020-2021	0	0	0
2021-2022	0	1	0
2022-2023	0	0	0

Table 20 – Exotic Species

#### 5.9 INTEGRATED WEED MANAGEMENT

Our Integrated Weed Management Procedure identifies potential impact and mitigation measures.

Quintis weed control strategies are based on weed biology and ecology to achieve the best result and deliver a strong commitment to protecting the community and environment values adjacent to our plantations.

#### 5.10 BIOLOGICAL CONTROL

The Integrated Pest Management Plan identifies the uses for biological control agents such as beneficial insects. Quintis biological control strategies include augmented control of both inundative and inoculative releases and monitoring of release.

A program to monitor the effect of the release is undertaken. Like all predators the availability of food limits the population rates. As they reduce the level of damaging pests their own populations decrease as well. The Forest Protection team monitor the levels of reduced pest but also the numbers of released beneficials. Only beneficials raised and commercially available in Australia are released.

### 5.11 PESTICIDE USE

We are aware of the potential environmental impact of our activities as a result of the use of pesticides. We have control measures in place to minimise off-target movement of pesticides.

Our Integrated Pest Management Strategy identifies potential impact and mitigation measures for the use of pesticides.



Our chemical monitoring system records annual pesticide within our controlled properties (Appendix A). Environmental and Social Risk Assessment's (ESRA) have been completed for all pesticide active ingredients identifying mitigation strategies to minimise potential risk.

We undertake ongoing analysis of our pesticides to minimise the use of highly hazardous chemicals where viable and practicable and target to minimise the use of highly restricted pesticides within two years.

Pesticide Active Ingredients	Prohibited	Highly Restricted	Restricted
2021	0	7	9
2022	0	3	4

Table 21 – Pesticide Active Ingredients

Pesticide Impact Off Site	NT	QLD	WA
2021	0	0	0
2022	0	0	0

#### Table 22 – Off Site Pesticide Impact

Chemical Exposure Events	NT	QLD	WA
2021	0	0	1
2022	0	0	0

#### Table 23 – Chemical Exposure

We undertake regular water sampling (physico-chem and pesticide residue) in important tributaries to monitor water quality adjacent to our operations as per section 5.15 Riparian Management. The test results are recorded and analysed, and actions identified for sample results that fall outside the required criteria. Actions shall be recorded in the Quintis HSE Database MYOSH.

#### 5.12 FERTILISER USE

Our Fertiliser Management Implementation Procedure identifies potential impact and mitigation measures for the use of chemicals.

Sampling	Samples Taken	Number of Stands	Number of Plantations
2021-2022	341	145*	27
2022-2023	337	49	23

#### Table 24 – Fertiliser Sampling

Our chemical monitoring system records in Appendix B identify the annual fertiliser usage within our controlled properties.

NOTE: \*The significant difference in stands sampled is due to the composite sampling of fertilised stands in 2021-2022.

## 5.13 RESEARCH COOPERATION AND PARTICIPATION

Opportunities to undertake joint research with universities, private research institutes and government research agencies will be pursued and assessed on a case-by-case basis.

#### 5.14 FUEL REDUCTION

In addition to the installation of fire breaks and the development of annual fire management plans we use animal stocking and prescribed burns to minimise the threat of a wildfire to our plantations and neighbouring properties by reducing high fuel loads in a controlled way. Quintis is currently working with traditional owners in regard to identifying areas where the use of traditional Aboriginal fire management methods, which involves the lighting of 'cool' fires, could be utilised for fuel reduction activities.

Fuel Reduction Activities (ha)	NT	QLD	WA
2022	8,091 ha	9 ha	1,571 ha
2023	5,519 ha	9 ha	1,008 ha

#### Table 25 – Fuel Reduction

Damage Due To Fuel Reduction Activities	Damage to Plantation		Damage to Neighbouring Properties			
Region	NT	QLD	WA	NT	QLD	WA
2020-2021	1	0	0	0	0	0
2021-2022	1	0	1	0	0	0
2022-2023	0	0	0	0	0	0

Table 26 – Damage Due to Fuel Reduction Activities
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## 5.15 NATURAL HAZARDS

Impact from natural hazards and events including flood, significant rain fall, fire, cyclone and storm events are reported and recorded via the Incident Reporting and Investigation Procedure and the records maintained in the Quintis HSE Database MYOSH.

Natural Event Reports	Flood/Sign	ificant Raiı	n Event	I	ire Event	:	Cyclone	/Storm E	vent
Region	NT	QLD	WA	NT	QLD	WA	NT	QLD	WA
2020-2021	4	0	0	0	0	0	0	0	0
2021-2022	0	0	0	0	0	0	0	0	1
2022-2023	2	0	0	1	0	1	0	0	0

Table 27 – Natural Hazards

#### 5.16 RIPARIAN MANAGEMENT

We have implemented a Riparian Management Procedure to identify and manage the riparian areas within the Management Unit. A water sampling regime has been implemented to monitor water quality at identified major waterways adjacent to Quintis operations. The test results are analysed, and actions identified for sample results that fall outside the required criteria. Results are recorded in the Quintis DMS.

Region	NT		QLD		WA	
Sampling	Planned	Actual	Planned	Actual	Planned	Actual
2020-2021	2	2	1	1	1	1
2021-2022	2	2	1	1	1	1
2022-2023	2	2	1	1	1	1

Table 28 – Riparian Area Monitoring

## 5.17 SPECIAL VALUES AREAS

Potential Special Value Areas (SVA) have been identified in the Ecological Values Reports and by use of the rapid assessment tool. The identified HCV areas were then subject to an ecological assessment by a third party that identified areas of species diversity, specific ecosystems and habitats, conservation areas and sites of cultural heritage importance. A specific management plan including monitoring requirements has been developed for each region and scheduled inspection conducted. The SVA inspections include an assessment of the specific special values area, inspection details, ecosystems,



weeds, fauna, and cultural heritage areas over a designated transect, records are maintained in the Quintis DMS. All special values areas have been given a unique identifier and sign posted in the field.

Region	NT		QLD		WA	
Monitoring	Planned	Actual	Planned	Actual	Planned	Actual
2020-2021	7	7	1	1	1	1
2021-2022	9	10	1	1	1	1
2022-2023	6	6	1	1	1	2

Table 29 – Special Values Area Monitoring

#### 5.18 RARE, THREATENED AND ENDANGERED SPECIES

Potential Rare, Threatened, and Endangered Species (RTES) have been identified in the regional Ecological Values Reports and the identification and management protocol is outline in the Rare, Threatened and Endangered Species Procedure. We have introduced a management protocol and all RTE sighting are recorded in the national iNatural Australia database.

Region	NT		QLD		WA		
Fauna Observations	New Native Fauna	New	New Native Fauna	New	New Native	New	
	Sightings	RTES	Sightings	RTES	Fauna Sightings	RTES	
2020-2021	5	1	0	0	8	0	
2021-2022	43	2	1	0	8	0	
2022-2023	1	1	0	0	6	0	

Table 30 – Rare Threatened and Endangered Species Observations



## 6. APPENDIX A – PESTICIDE USAGE 2022

Active Ingredient	ALPHA-CYPERMETHRIN	ALPHA-CYPERMETHRIN					
Region	NT 🖂	QLD 🛛	WA 🗆				
Plantation	DDY 🛛 KTH 🖾 MAT 🗆	BUR 🖂	KNX 🛛 KRT 🗆				
Quantity	540 L	500 L	30 L				
Number of applications	8	7	1				
Area (ha)	7,237 ha	4,436 ha	54 ha				
Reason for use	Pest Control	Pest Control	Pest Control				

Active Ingredient	1-NAPHTHYL-N-METHYLCARBAMATE (CARBARYL)					
Region	NT 🛛	QLD 🛛	WA 🗆			
Plantation	DDY 🛛 KTH 🖾 MAT 🗆	BUR 🖂	KNX 🗆 KRT 🗆			
Quantity	1,779 L	380 L	N/A			
Number of applications	3	4	N/A			
Area (ha)	2,441 ha	1,293 ha	N/A			
Reason for use	Pest Control	Pest Control	N/A			

Active Ingredient	CLOTHIANIDIN		
Region	NT 🛛	QLD 🗆	WA 🗆
Plantation	DDY 🛛 KTH 🖾 MAT 🗆	BUR 🗆	KNX 🗆 KRT 🗆
Quantity	12,812 L	N/A	N/A
Number of applications	6	N/A	N/A
Area (ha)	4,376 ha	N/A	N/A
Reason for use	Pest Control	N/A	N/A

Active Ingredient	SPIROTETRAMAT	SPIROTETRAMAT		
Region	NT 🗆	QLD 🛛	WA 🛛	
Plantation	DDY 🗆 KTH 🗆 MAT 🗆	BUR 🗵	KNX 🗆 KRT 🛛	
Quantity	N/A	3 L	20 L	
Number of applications	N/A	1	1	
Area (ha)	N/A	715 ha	1,877 ha	
Reason for use	N/A	Pest Control	Pest Control	

Active Ingredient	FIPRONIL		
Region	NT 🖂	QLD 🗆	WA 🛛
Plantation	DDY 🛛 KTH 🖾 MAT 🖾	BUR 🗆	KNX 🛛 KRT 🗆
Quantity	12 L	N/A	1 L
Number of applications	6	N/A	1
Area (ha)	5,210 ha	N/A	10 ha
Reason for use	Pest Control	N/A	Pest Control



Active Ingredient	BROMADIOLONE		
Region	NT 🗆	QLD 🛛	WA 🗆
Plantation	DDY 🗆 KTH 🗆 MAT 🗆	BUR 🖂	KNX 🗆 KRT 🗆
Quantity	N/A	1 kg	N/A
Number of applications	N/A	1	N/A
Area (ha)	N/A	1,476 ha	N/A
Reason for use	N/A	Rodent Control	N/A

Active Ingredient	ZINC PHOSPHIDE	ZINC PHOSPHIDE		
Region	NT 🖾	QLD 🗆	WA 🗆	
Plantation	DDY 🖂 KTH 🗆 MAT 🗆	BUR 🗆	KNX 🗆 KRT 🗆	
Quantity	913 kg	N/A	N/A	
Number of applications	7	N/A	N/A	
Area (ha)	6944 ha	N/A	N/A	
Reason for use	Rodent Control	N/A	N/A	

Active Ingredient	CHOLECALCIFEROL (VITAMIN D3)		
Region	NT 🛛	QLD 🗆	WA 🗆
Plantation	DDY 🛛 KTH 🗌 MAT 🗆	BUR 🗆	KNX 🗆 KRT 🗆
Quantity	507 kg	N/A	N/A
Number of applications	8	N/A	N/A
Area (ha)	14,598	N/A	N/A
Reason for use	Rodent Control	N/A	N/A

Active Ingredient	1-METHYL-2-PYRROLIDONE	1-METHYL-2-PYRROLIDONE		
Region	NT 🗆	QLD 🗆	WA 🛛	
Plantation	DDY 🗆 KTH 🗆 MAT 🗆	BUR 🗆	KNX 🛛 KRT 🗆	
Quantity	N/A	N/A	72 L	
Number of applications	N/A	N/A	1	
Area (ha)	N/A	N/A	54 ha	
Reason for use	N/A	N/A	Weed Control	

Active Ingredient	2,4-D DIETHANOLAMINE SALT	2,4-D DIETHANOLAMINE SALT		
Region	NT 🗆	QLD 🛛	WA 🗆	
Plantation	DDY 🗆 KTH 🗆 MAT 🗆	BUR 🗵	KNX 🗆 KRT 🗆	
Quantity	N/A	280 L	N/A	
Number of applications	N/A	1	N/A	
Area (ha)	N/A	1,476 ha	N/A	
Reason for use	N/A	Weed Control	N/A	



Active Ingredient	CARFENTRAZONE-ETHYL		
Region	NT 🛛	QLD 🗆	WA 🗆
Plantation	DDY 🛛 KTH 🖾 MAT 🖾	BUR 🗆	KNX 🗆 KRT 🗆
Quantity	111 L	N/A	N/A
Number of applications	6	N/A	N/A
Area (ha)	2,728 ha	N/A	N/A
Reason for use	Weed control	N/A	N/A

Active Ingredient	GLYPHOSATE-POTASSIUM		
Region	NT 🖂	QLD 🗆	WA 🗆
Plantation	DDY 🛛 KTH 🗆 MAT 🗆	BUR 🗆	KNX 🗆 KRT 🗆
Quantity	8,052 L	N/A	N/A
Number of applications	10	N/A	N/A
Area (ha)	7,794 ha	N/A	N/A
Reason for use	Weed control	N/A	N/A

Active Ingredient	МСРА		
Region	NT 🗵	QLD 🗆	WA 🗆
Plantation	DDY 🗌 KTH 🗆 MAT 🛛	BUR 🗆	KNX 🗆 KRT 🗆
Quantity	9 L	N/A	N/A
Number of applications	1	N/A	N/A
Area (ha)	1,544 ha	N/A	N/A
Reason for use	Weed control	N/A	N/A

Active Ingredient	PICLORAM	PICLORAM		
Region	NT 🖂	QLD 🗆	WA 🛛	
Plantation	DDY 🗆 KTH 🗵 MAT 🗆	BUR 🗆	KNX 🛛 KRT 🗆	
Quantity	10 L	N/A	75 L	
Number of applications	1	N/A	3	
Area (ha)	1,969 ha	N/A	108 ha	
Reason for use	Weed control	N/A	Weed control	

Active Ingredient	SAFLUFENACIL	SAFLUFENACIL		
Region	NT 🖂	QLD 🛛	WA 🛛	
Plantation	DDY 🗆 KTH 🗵 MAT 🗆	BUR 🖂	KNX 🛛 KRT 🗆	
Quantity	3 L	79 L	N/A	
Number of applications	1	12	N/A	
Area (ha)	179 ha	10,117 ha	N/A	
Reason for use	Weed control	Weed control	N/A	



Active Ingredient	TRICLOPYR - BUTOXYETHANOL ES	TRICLOPYR - BUTOXYETHANOL ESTER		
Region	NT 🗆	QLD 🗆	WA 🖂	
Plantation	DDY 🗆 KTH 🗆 MAT 🗆	BUR 🗆	KNX 🛛 KRT 🗆	
Quantity	N/A	N/A	5 L	
Number of applications	N/A	N/A	1	
Area (ha)	N/A	N/A	54 ha	
Reason for use	N/A	N/A	Weed Control	

Active Ingredient	GLUFOSINATE AMMONIUM		
Region	NT 🛛	QLD 🗆	WA 🛛
Plantation	DDY 🛛 KTH 🖾 MAT 🖾	BUR 🗆	KNX 🛛 KRT 🗆
Quantity	279 L	N/A	3,069 L
Number of applications	6	N/A	14
Area (ha)	5653 ha	N/A	15,614 ha
Reason for use	Weed Control	N/A	Weed Control

Active Ingredient	GLYPHOSATE (ISO) [N-(PHOSPHON	GLYPHOSATE (ISO) [N-(PHOSPHONOMETHYL)GLYCINE]		
Region	NT 🖂	QLD 🛛	WA 🛛	
Plantation	DDY 🛛 KTH 🖾 MAT 🖾	BUR 🖂	KNX 🛛 KRT 🖾	
Quantity	17,047 L	9,490 L	23,132 L	
Number of applications	17	12	29	
Area (ha)	15, 173 ha	11,740 ha	32,743 ha	
Reason for use	Weed Control	Weed Control	Weed Control	



## 7. APPENDIX B – FERTILISER USAGE 2022

Fertiliser Name	Affinity Beyond		
Active Ingredient	Phosphorous		
Region	NT 🛛 QLD 🗆 WA 🗆		
Plantation	DDY 🛛 KTH 🗆 MAT 🗆	BUR 🗆	KNX 🗆 KRT 🗆
Quantity	800 L	N/A	N/A
Number of applications	3	N/A	N/A
Area (ha)	1044 ha	N/A	N/A
Reason for use	Plant Health	N/A	N/A

Fertiliser Name	Affinity – Hydro Cal		
Active Ingredient	Calcium		
Region	NT 🛛 QLD 🗆 WA 🗆		
Plantation	DDY 🛛 KTH 🗆 MAT 🗆	BUR 🗆	KNX 🗆 KRT 🗆
Quantity	7000 kg	N/A	N/A
Number of applications	4	N/A	N/A
Area (ha)	2323 ha	N/A	N/A
Reason for use	Plant Health	N/A	N/A

Fertiliser Name	Affinity Custom Mix	Affinity Custom Mix			
Active Ingredient	Calcium, NPK	Calcium, NPK			
Region	NT 🖂	NT 🛛 QLD 🗆 WA 🗆			
Plantation	DDY 🛛 KTH 🗆 MAT 🗆	DDY 🛛 KTH 🗆 MAT 🗆 🛛 BUR 🗆 🛛 KNX 🗆 KRT 🗆			
Quantity	22,112 L	N/A	N/A		
Number of applications	4	N/A	N/A		
Area (ha)	1,392 ha	N/A	N/A		
Reason for use	Plant health	N/A	N/A		

Fertiliser Name	Ammonium Sulphate	Ammonium Sulphate			
Active Ingredient	Ammonium Sulphate	Ammonium Sulphate			
Region	NT 🖂	NT 🛛 QLD 🗆 WA 🗆			
Plantation	DDY 🛛 KTH 🖾 MAT 🖾	DDY 🛛 KTH 🖾 MAT 🖾 🛛 BUR 🗆 KNX 🗆 KRT 🗆			
Quantity	16,478 kg	N/A	N/A		
Number of applications	19	N/A	N/A		
Area (ha)	17,890 ha	N/A	N/A		
Reason for use	Plant Health	N/A	N/A		



Fertiliser Name	Campbells Diamond Range		
Active Ingredient	NPK		
Region	NT 🛛 QLD 🗆 WA 🗆		
Plantation	DDY 🗆 KTH 🗵 MAT 🗆	BUR 🗆	KNX 🗆 KRT 🗆
Quantity	350 kg	N/A	N/A
Number of applications	3	N/A	N/A
Area (ha)	4943 ha	N/A	N/A
Reason for use	Plant Health	N/A	N/A

Fertiliser Name	Campbells Platinum Plus		
Active Ingredient	NPK		
Region	NT  QLD WA		
Plantation	DDY 🗆 KTH 🛛 MAT 🗆	BUR 🗆	KNX 🗆 KRT 🗆
Quantity	350 kg	N/A	N/A
Number of applications	4	N/A	N/A
Area (ha)	5949 ha	N/A	N/A
Reason for use	Plant Health	N/A	N/A

Fertiliser Name	MAP		
Active Ingredient	Phosphate		
Region	NT 🗆	QLD 🛛	WA 🗆
Plantation	DDY 🗆 KTH 🗆 MAT 🗆	BUR 🛛	KNX 🗆 KRT 🗆
Quantity	N/A	4,500 kg	N/A
Number of applications	N/A	12	N/A
Area (ha)	N/A	715 ha	N/A
Reason for use	N/A	Plant Health	N/A

Fertiliser Name	Maxi Fruit	Maxi Fruit			
Active Ingredient	Nutrient elements	Nutrient elements			
Region	NT 🗆	NT 🗆 QLD 🛛 WA 🗆			
Plantation	DDY 🗆 KTH 🗆 MAT 🗆	DDY   KTH MAT  BUR  KNX  KRT			
Quantity	N/A	1,300 L	N/A		
Number of applications	N/A	4	N/A		
Area (ha)	N/A	1,587 ha	N/A		
Reason for use	N/A	Plant Health	N/A		



Fertiliser Name	МОР			
Active Ingredient	Potassium chloride	Potassium chloride		
Region	NT 🗆	QLD 🛛	WA 🗆	
Plantation	DDY 🗆 KTH 🗆 MAT 🗆	BUR 🛛	KNX 🗆 KRT 🗆	
Quantity	N/A	1,000 kg	N/A	
Number of applications	N/A	1	N/A	
Area (ha)	N/A	715 ha	N/A	
Reason for use	N/A	Plant Health	N/A	

Fertiliser Name	Nitrophoska			
Active Ingredient	NPK	NPK		
Region	NT 🛛	QLD 🗆	WA 🗆	
Plantation	DDY 🗆 KTH 🗵 MAT 🗆	BUR 🗆	KNX 🗆 KRT 🗆	
Quantity	2000 kg	N/A	N/A	
Number of applications	1	N/A	N/A	
Area (ha)	333 ha	N/A	N/A	
Reason for use	Plant health	N/A	N/A	

Fertiliser Name	Liggy Max		
Active Ingredient	NPK		
Region	NT 🗆	QLD 🗵	WA 🗆
Plantation	DDY 🗆 TPK 🗆 MAT 🗆	BUR 🛛	KNX 🗆 KRT 🗆
Quantity	N/A	2,300 L	N/A
Number of applications	N/A	10	N/A
Area (ha)	N/A	5,490 ha	N/A
Reason for use	N/A	Plant Health	N/A

Fertiliser Name	Liggy Trace		
Active Ingredient	Trace Elements		
Region	NT 🗆	QLD 🛛	WA 🗆
Plantation	DDY 🗆 TPK 🗆 MAT 🗆	BUR 🛛	KNX 🗆 KRT 🗆
Quantity	N/A	600 L	N/A
Number of applications	N/A	4	N/A
Area (ha)	N/A	2,443	N/A
Reason for use	N/A	Plant Health	N/A



Fertiliser Name	Establishment Fertiliser	Establishment Fertiliser		
Active Ingredient	DAP and Trace Elements	DAP and Trace Elements		
Region	NT 🗆	QLD 🗆	WA 🖂	
Plantation	DDY 🗆 TPK 🗆 MAT 🗆	BUR 🗆	KNX 🛛 KRT 🗆	
Quantity	N/A	N/A	29L	
Number of applications	N/A	N/A	1	
Area (ha)	N/A	N/A	108 ha	
Reason for use	N/A	N/A	Plant Health	