



NCSEHE Trials and Evaluation (T&E)

In partnership with Australian universities, the National Centre for Student Equity in Higher Education (NCSEHE) aims to create real-world change in the pursuit of student equity. We are here to support the design, implementation and evaluation of student equity programs in higher education.

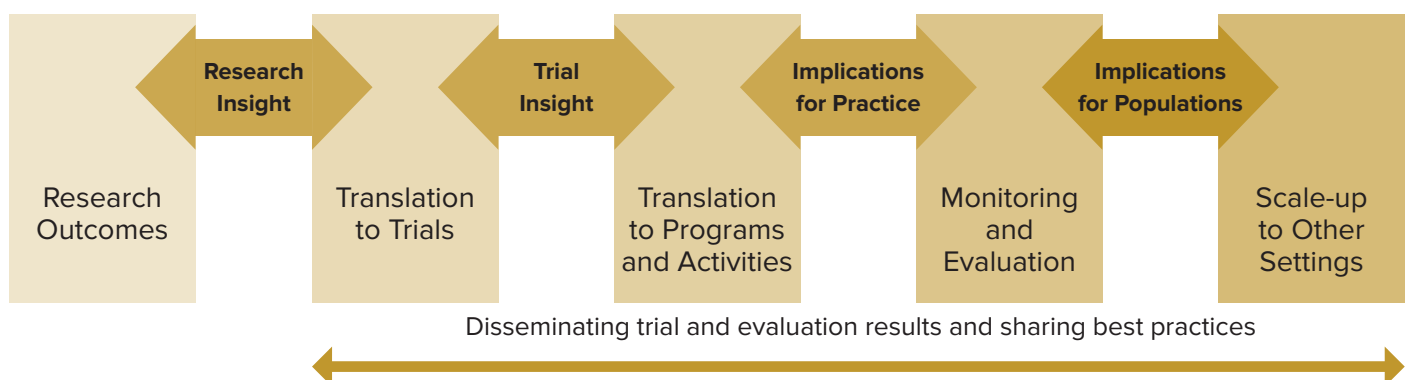
How NCSEHE will help

The higher education sector faces challenges characterised by the absence of systematic evaluation within student equity programs, limited evaluation capacity, and a dearth of benchmarking and standards for optimal student equity program implementation. As such, there is a pressing demand for comprehensive assessment of both processes and outcomes to ensure university performance accountability and the attainment of a deeper understanding of what works in the field of student equity.

In partnership with universities and student equity professionals, NCSEHE will improve the quality and impact of student equity practices in higher education through three strategic approaches:

1. Focusing on **trials** to transform research findings into actionable solutions and then rigorously testing and scaling them
2. Enhancing **evaluation capability** of student equity professionals and senior leaders while establishing robust evaluation systems within universities
3. Cultivating **communities** dedicated to sharing knowledge and promoting best practices in student equity

Research – Trial – Practice – Evaluation – Scale Spectrum





Equity Frontiers

Our flagship program in the ‘Trials’ component, offering universities:

- A program of sector-led trials with options for independent or supported delivery
- Two T&E-led small-scale trials
- Two multi-institutional large-scale trials
- A program of scale-up and adoption projects

What Works in Equity

Our premier program for enhancing evaluation capability in student equity initiatives:

- Training packages on evaluation methods and tools
- Technical support for program logic and monitoring
- Commissioned evaluations for sector-nominated projects
- Student Equity Leadership Development Program
- Student Equity Contributor Awards

Equity Hub

Our community of evidence-led equity professionals:

We empower equity professionals working in Higher Education Participation and Partnerships Programs (HEPPP) with a web portal for Student Equity in Higher Education Evaluation Framework (SEHEEF) resources, enabling easy sharing of evaluation results to demonstrate program impact. Join a dedicated community to collaborate, share best practices, and engage with peers, leaders, experts and stakeholders.

Follow Us



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Make tomorrow better.

For updates on these and other initiatives:
ncsehe.edu.au/trials-and-evaluation/

To be involved, email: ncsehe@curtin.edu.au

RYLINGTON PARK SCHOLARSHIP



Rylington Park
1437 Boyup Brook-Cranbrook Rd
SCOTTS BROOK WA 6244
(08) 9765 3012
rylington@activ8.net.au



Shire of Boyup Brook
55 Abel Street BOYUP BROOK WA 6244
PO Box 2 BOYUP BROOK WA 6244
(08) 9765 1200
shire@boyupbrook.wa.gov.au



About the Scholarship

The Rylington Park Scholarship, founded by the Rylington Park Management Committee Inc., embodies Eric Farley's vision of engaging and nurturing Boyup Brook's youth in agricultural endeavours. Supported by the Shire of Boyup Brook, which continued its commitment after assuming management of Rylington Park farm, the scholarship aims to sustain the agricultural heritage of the community.

This exclusive scholarship will be awarded to two deserving year 9 or 10 students who currently reside within the Boyup Brook Shire who has been accepted to attend an Agricultural College for Years 11 and 12.

By providing financial support, the scholarship not only benefits the selected student but also ensures the ongoing vitality of agriculture in Boyup Brook.

- The first Scholarship valued at up to \$3,000, to be put towards tuition fees for the recipient's Years 11 and 12 education at the Agricultural school of their choice.
- The second Scholarship valued at up to \$1,500, to be put towards tuition fees for the recipient's Years 11 and 12 education at the Agricultural school of their choice.
- The scholarship funds will be paid in two instalments directly to the Agricultural College.
 - 50% at the beginning of Year 11
 - Remaining 50% at the beginning of Year 12.

The final decision on the scholarship award will consider:

- fulfilment of the selection criteria and performance during the interview, followed by a presentation to the Rylington Park Committee.

Should a recipient fail to complete their year, they may be asked to repay a prorated portion of that year's scholarship funds, ensuring accountability and commitment to their educational journey.

The successful applicants will be required to provide a presentation at the end of year 11 to the Rylington Park Committee on what they have learnt and achieved over the course of the year.





Application and Selection Criteria

For the Rylington Park Scholarship application, candidates are required to fulfill specific selection criteria. The selection panel prioritises candidates demonstrating a sincere interest in pursuing a career in agriculture.

Additionally, applicants who commit to utilising the skills and knowledge acquired through their education to benefit the Boyup Brook community in the future will be highly esteemed. This commitment to community contribution and the advancement of agricultural expertise in Boyup Brook is a core value of the scholarship selection process.

Applicants will be required to provide comprehensive responses to the following selection criteria as part of the application submission:

- 1 **Genuine Interest in Agriculture:** Candidates should demonstrate a passion for agriculture, showcasing it as their chosen career path.
- 2 **Commitment to the Boyup Brook Community:** Applicants are expected to illustrate their dedication to contributing to the Boyup Brook community, particularly how they plan to apply their acquired skills and knowledge locally.
- 3 **Interpersonal Skills and Values:** Candidates should exhibit strong interpersonal skills and share values that align with those of the scholarship and the community it serves.
- 4 **Understanding of Rylington Park Facility's:** Knowledge of Rylington Park Facility and its significance to the Boyup Brook community is crucial, highlighting the applicant's awareness of local agricultural initiatives.

Interview & Presentation

Every applicant of the Rylington Park Scholarship will undergo an interview where applicants will be asked questions aimed at revealing their interest across several key areas. Interview questions will be crafted to delve into the applicant's perspectives and sentiments regarding agriculture.

The interview, conducted by a discerning panel, aims to identify students with a deep-rooted interest in agriculture who are committed to leveraging their education for the benefit of the

Boyup Brook community.

Applicants will also be asked to make a 3 to 5 minute presentation to the Rylington Park Committee covering the selection criteria.



Important Dates to Remember

Applications must be received no later than the last Friday in September of the current year. Late applications will not be accepted. It is the applicant's responsibility to ensure the completed application is received before the closure date.

Announcement of Scholarships

The scholarships will be presented to successful recipients at the annual Boyup Brook District High School Graduation Ball.

Feedback/Progress Report

The successful applicants will be required to provide a presentation at the end of year 11 to the Rylington Park Committee on what they have learnt and achieved over the course of the year.

Timeline

Advertise the proposed scholarship as from 1 May until the last Friday in September each year:

- Shire Website (daily)
- Shire social media platforms (daily)
- Administration notice board (duration of time indicated above)
- Community Resource Centre notice board (duration of time indicated above)
- E-Gazette (Monthly)
- Gazette (Monthly)

Beginning of September of each year Applications Open

Last Friday in September of each year Applications Close

Second week of October of each year Applications reviewed/shortlisted

Third week of October of each year Interviews/presentations conducted

First week in December of each year Announcement of scholarships

Any enquiries in relation to the Rylington Park Scholarship can be directed to shire@boyupbrook.wa.gov.au.



Rylington Park was originally owned by Mr Eric Farleigh and was donated to the Shire of Boyup Brook in 1985 to facilitate agricultural research and training. Rylington Park Institute opened in 1987 and in 1988 won the National Award for Innovation in Local Government.

**Eric Farleigh
1898 - 1988
Portrait by Felicia Lowe**

Terms of Reference.

Rylington Park Farm Committee



Contents

1.	Context	3
2.	Scope of Authority.....	3
3.	Membership	3
4.	Term.....	3
5.	Governance	3
6.	Frequency of meetings	4
7.	Authority of Committee	4
8.	Committee Chair	4
9.	Quorum	4
10.	Disqualification of being a member	4
11.	Voting	4
12.	Rylington Park Farm Sub-Committee	4
12.1	Context	4
12.2	Membership	5
12.3	Scope	5
12.4	Voting.....	5
12.5	Governance.....	5
12.6	Procedure	5
13.	Confidentiality.....	5

1. Context

The creation of a committee is to oversee the strategic matters of Rylington Park Farm, it is not to oversee the daily operations. However, to the unique nature of the asset a limited number of operational decisions can be made by the Rylington Park Farm Committee.

2. Scope of Authority

- Preparation of the annual budget.
- Preparation and approval of the annual cropping plan.
- Purchasing / selling of any livestock.
- Purchasing / selling of any crop.
- Approval of any trials / use on the Rylington Park Farm.
- Livestock feed programs.
- Approval of Livestock Management Plan.
- Shearing School Sheep Guidelines.

3. Membership

- (a) The committee will consist of the Shire President, six (6) Councillors, one (1) representative of Edith Cowan University and two (2) community members.

The following staff although not committee members will represent the Shire at Committee Meetings:

- Chief Executive Officer
- Farm Manager
- Farm Coordinator

- (b) The committee is in place solely to oversee the strategic direction of the Medical Practice, which may include but not limited to:

- i. Potential Business opportunities,
- ii. Medical Dr's employment contracts.
- iii. Building Renovations (excluding building maintenance)

- (c) The committee has no authority over the day-to-day operations of the Medical Practice.

4. Term

The Term of the Councillors / Members (excluding the Shire President and the representative from Edith Cowan University) will be two (2) years and coincide with the bi-annual election cycle.

5. Governance

Being a local government service and asset, the operations of the Rylington Park Farm are to be in line with relevant Shire policies and the *Local Government Act 1995*.

6. Frequency of meetings

Meetings should be held bi-monthly or as decided by the committee by Absolute Majority vote.

7. Authority of Committee

- (a) The committee be delegated the authority from Council to consider all matters pertaining to the strategic direction of the Rylington Park Farm. This does not include the day-to day operations of the Rylington Park Farm.
- (b) The committee has the authority to sub-delegate to the sub-committee subject to the delegation being limited to the scope contained in 12.3 below.

8. Committee Chair

The Shire President will be the standing Chair of this committee.

9. Quorum

A minimum of five (5) Councillors / Members must be present to be able to proceed with the meeting (A quorum is 50%+1 (voting members)).

10. Disqualification of being a member

- (a) A Councillor / Member who does not attend three (3) consecutive committee meetings (with or without the Chairpersons approval) will be disqualified from being a member on the committee (unless exceptional circumstances prevented attendance). Council will be required to appoint an alternative Councillor to the committee and a vacant community members position will be advertised.
- (b) Any Councillor / Member that misses more than 50% committee meetings (with or without the Chairpersons approval) will be disqualified from being a member on the committee (unless exceptional circumstances prevented attendance). Council will be required to appoint an alternative Councillor to the committee and a vacant community members position will be advertised.

11. Voting

Only the nine (9) Councillors / Members are permitted to vote on any item presented for consideration. Should there be a stale vote the Shire President will cast the deciding vote.

All Councillors / Members are required to vote and may not abstain from voting.

12. Rylington Park Farm Sub-Committee

12.1 Context

The creation of a sub-committee is important to ensure swift decision making can be made when required.

The need for the sub-committee has arisen due to the requirement to make swift timeous decisions to allow the Farm Manager to utilize funds, sell livestock and / or crops at short notice due to favourable market conditions.

12.2 Membership

The sub-committee will consist of three committee members voted in by Absolute Majority of the committee.

12.3 Scope

The sub-committee is in place solely for the purpose of ensuring swift timely decisions can be made on operational issues associated with the sale and purchase of the various crops and biological assets only located on the Rylington Park Farm.

12.4 Voting

In order to proceed with a request for the sale / purchase of goods or services, **ALL** three (3) sub-committee members **MUST** provide approval. If there is a split vote the matter will need to be presented to the full Rylington Park Farm Committee.

12.5 Governance

Being a local government asset, the procurement of goods and services as well as the sale of goods and services is governed by Council Policy.

Any other operational matters relating to the Rylington Park Farm are governed by the Rylington Park Farm Committee.

12.6 Procedure

When the sale of goods and services or the purchase of goods or services has been identified by the Farm Manager:

- Farm Manager is to email the details of the sale / purchase of goods or services to the Chief Executive Officer and the Executive Officer.
- Chief Executive Officer or Executive Officer will forward the email to the sub-committee members requesting approval or refusal to proceed with the sale / purchase of the goods or services requested by the Farm Manager.
- The Farm Manager may not proceed with the sale / purchase of goods or services until he has received approval from the Chief Executive Officer.

13. Confidentiality

Councillors / Members and staff are to ensure all confidential matters pertaining to the Rylington Park Farm remains confidential.

Leonard Long

From: Cr. Richard Walker
Sent: Tuesday, 12 March 2024 10:40 AM
To: Leonard Long
Subject: FW: Rylington Park Committee - Expression of Interest

-----Original Message-----

From: Robyn & Andy McElroy <[REDACTED]>
Sent: Thursday, February 8, 2024 11:04 AM
To: Leonard Long <leonard.long@boyupbrook.wa.gov.au>
Cc: Cr. Richard Walker <Richard.Walker@boyupbrook.wa.gov.au>
Subject: RE: Rylington Park Committee - Expression of Interest

CAUTION: This email originated from outside of the organisation. Do not click links or open attachments unless you recognise the sender and know the content is safe.

Leonard

In reply to your e-mail below please find the requested information.

James Andrew McElroy (Andy)

[REDACTED]

[REDACTED]

I would like to be considered to continue as a member of the Rylington Park Committee for the following reasons.
To represent the community as a non council member.
To contribute to the cost effective and safe running of Rylington Park To hopefully bring benefits to the local and broader farming industry To help improve engagement between Rylington Park and the Boyup Brook and wider population both farming and non farming.

I look forward to your response.

Best regards

Andy

Andy McElroy

-----Original Message-----

From: Leonard Long [mailto:leonard.long@boyupbrook.wa.gov.au]
Sent: Wednesday, 7 February 2024 4:04 PM
To: Andy McElroy
Cc: Cr. Richard Walker
Subject: Rylington Park Committee - Expression of Interest

Hi Andy,

Joshua Stretch

[REDACTED]
Boyup Brook WA 6244

6 March 2024

RE: Rylington Park Committee Member - EOI

Boyup Brook Shire Councillors

I would like to put forward my name to be part of the Rylington Park Committee as a community committee member, to ensure that Rylington Park is managed in a profitable and sustainable way that both enables innovation, training and development in the agricultural sphere for the current and future generations of Boyup residents to enjoy and benefit from.

As a qualified Chartered Accountant, I have the understanding and ability to make informed decisions based on accurate financial information presented and provide practical input into the annual farm budgets.

Along with my financial background, I have a strong agricultural understanding having been involved in our family run mixed farm, consisting of sheep, cattle and a cropping program.

I take this opportunity to thank you for your consideration to be part of this committee and if you have any questions, you'd like answered please do not hesitate to contact me.

Kind Regards



Joshua Stretch

[REDACTED]
[REDACTED]



Attachment 7.1.6A



Season Plan 2024

Prepared for: Rylinton Park

Date: 14 March 2024

Printed by: Alec Smith

Company: Kojonup Agricultural
Supplies

Index

Area Summary.....	3
Input Summary.....	4
Cost by Crop.....	6
Gross Margins by Crop	8

Rylington Park.....	9
Ag Supplies Pasture Mix	12
RGT Planet	20
Annual Pasture	22
HyTtec Trifecta.....	24
Nuseed Eagle TF.....	27
Neo CL	30

Area Summary

GROUP	CROP	VARIETY	AREA (ha)	(%)	
Cereals	Barley	Neo CL (CL)	33	6.76	
		RGT Planet	(98) 77.5	15.86	
		CROP	110.5	22.62	
		GROUP	110.5	22.62	
Oilseed crops	Canola	HyTTec Trifecta (TT)	12	2.46	
		Nuseed Eagle TF (TF)	50	10.24	
		CROP	62	12.69	
		GROUP	62	12.69	
Pasture	Pasture	Ag Supplies Pasture Mix	(61.5) 41	8.39	
			CROP	41	8.39
	Pasture (Pasture)	Annual Pasture	275	56.29	
			CROP	275	56.29
			GROUP	316	64.69
TOTAL			488.5	100.00	

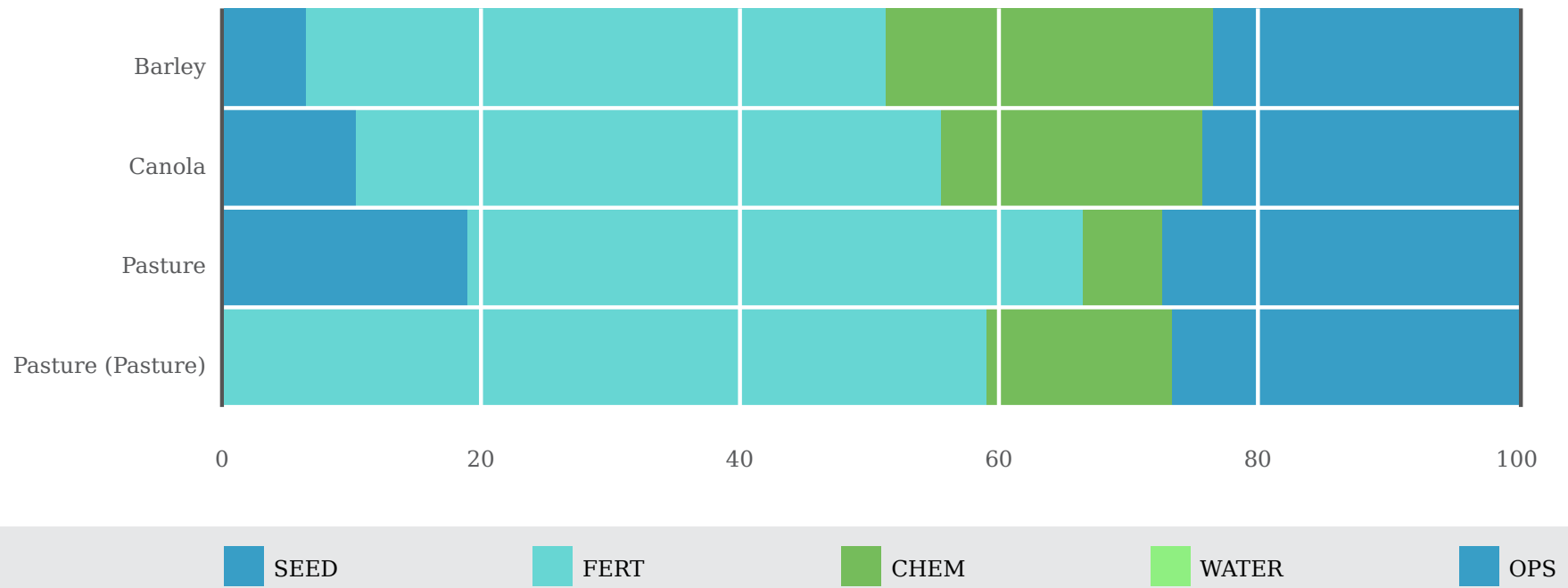
Input Summary

INPUTS	AMOUNT	AVERAGE UNIT COST	TOTAL COST
Seed			
Ag Supplies Pasture Mix	1.54 t	\$6.10 /kg	\$9,378.75
HyTTec Trifecta	30 kg	\$33.00 /kg	\$990.00
Neo CL	3.96 t	\$1.10 /kg	\$4,356.00
Nuseed Eagle TF	125 kg	\$53.00 /kg	\$6,625.00
RGT Planet	9.71 t	\$0.31 /kg	\$2,979.50
		TOTAL	\$24,329.25
Adjuvant			
Ammonium Sulphate Herbicide Adjuvant	512.8 kg	\$1.22 /kg	\$624.53
Hasten Spray Adjuvant	131.2 L	\$6.50 /L	\$852.80
Uptake Spraying Oil	122 L	\$6.70 /L	\$816.82
Wetter 1000	40.4 L	\$7.07 /L	\$285.50
		TOTAL	\$2,579.64
Fertiliser			
AgNP 68% MOP 12% AgMn 20% (9-17-6-2, Cu, Zn, Mn)	27.35 t	\$1.20 /kg	\$32,786.66
CSBP NKS21	11.16 t	\$0.70 /kg	\$7,812.00
EDTA Copper Chelate (14.5%)	9 kg	\$17.20 /kg	\$154.80
Flexi-N	49,050 L	\$0.94 /L	\$46,107.00
GranNS	18.3 t	\$0.47 /kg	\$8,546.10
Super Potash 4:1	12.75 t	\$0.55 /kg	\$7,038.00
Urea 60% MOP 40% (28-0-20)	23.91 t	\$0.77 /kg	\$18,506.34
Urea	26.16 t	\$0.77 /kg	\$20,139.35
Verno Copper	6.15 kg	\$24.42 /kg	\$150.18
Verno Manganese	45.45 kg	\$10.00 /kg	\$454.50
Verno Zinc	15.15 kg	\$10.24 /kg	\$155.14
		TOTAL	\$141,850.06
Fungicide			
Amistar Xtra Fungicide	72 L	\$38.96 /L	\$2,805.12
Imtrade Dalbie 800 WG Fungicide	7.2 kg	\$198.00 /kg	\$1,425.60
Intake Hiload Gold In-furrow Fungicide	34.5 L	\$23.00 /L	\$793.50
Maxentis EC Fungicide	30 L	\$42.00 /L	\$1,260.00
Prosaro 420 SC Foliar Fungicide	54.9 L	\$65.08 /L	\$3,572.89
		TOTAL	\$9,857.11
Herbicide			
2,4-D Ester 680	36 L	\$8.00 /L	\$288.00
Atrazine 900 WDG	33 kg	\$11.50 /kg	\$379.50
Boxer Gold Herbicide	180 L	\$11.36 /L	\$2,044.80
Bromoxynil 200	45 L	\$11.41 /L	\$513.45
Clethodim 240 EC	31 L	\$16.11 /L	\$499.41
Diuron 900 DF	31.5 kg	\$16.24 /kg	\$511.56
Ecopar Herbicide	158.25 L	\$42.59 /L	\$6,739.87
Glyphosate 450	427 L	\$4.30 /L	\$1,836.10
MCPA 750	142.42 L	\$11.45 /L	\$1,630.77
Mateno Complete Herbicide	67.5 L	\$61.79 /L	\$4,170.83
Nufarm Flight Herbicide	64.8 L	\$22.11 /L	\$1,432.73

INPUTS	AMOUNT	AVERAGE UNIT COST	TOTAL COST
Nufarm Saracen Herbicide	9 L	\$53.50 /L	\$481.50
Nufarm Weedmaster DST Herbicide	317.4 L	\$6.95 /L	\$2,205.93
Oxyfluorfen 240 EC	6.15 L	\$20.24 /L	\$124.48
Paraquat 250	330 L	\$6.67 /L	\$2,201.10
Propyzamide 900 WG	31 kg	\$44.84 /kg	\$1,390.02
Quizalofop 99.5 EC	1.2 L	\$14.75 /L	\$17.70
Terrad'or Herbicide	3.04 kg	\$326.00 /kg	\$991.04
Trifluralin 480	280 L	\$7.10 /L	\$1,988.00
		TOTAL	\$29,446.77
Insecticide			
Alpha Cypermethrin 100 EC	22.55 L	\$8.42 /L	\$189.87
Bayer Le-mat	37.98 L	\$29.50 /L	\$1,120.41
Chlorpyrifos 500EC	106.75 L	\$10.59 /L	\$1,130.48
Dimethoate	21.35 L	\$9.52 /L	\$203.25
Dow Trojan Insecticide	3.54 L	\$118.22 /L	\$418.50
Imtrade Bifenthrin Ultra 300 EC Insecticide	8.65 L	\$25.45 /L	\$220.02
		TOTAL	\$3,282.53
Molluscicide			
Axcela Snail & Slug Bait	186 kg	\$13.60 /kg	\$2,529.60
Meta Slug and Snail Pellets	186 kg	\$2.18 /kg	\$405.48
		TOTAL	\$2,935.08
Operation			
Airseeder - contract	152 ha	\$60.00 /ha	\$9,120.00
Boomspray application	2,392.5 ha	\$14.00 /ha	\$33,495.00
Combine/seeding	61.5 ha	\$30.00 /ha	\$1,845.00
Cut, Rake & Bale - hay	20.5 ha	\$368.00 /ha	\$7,544.00
Harvest contract	152 ha	\$90.00 /ha	\$13,680.00
Spread - Bait	62 ha	\$5.00 /ha	\$310.00
Spreading fertiliser	793 ha	\$10.00 /ha	\$7,930.00
		TOTAL	\$73,924.00
Seed Treatment Fungicide			
Systiva Seed Treatment Fungicide	16.2 L	\$226.00 /L	\$3,661.20
		TOTAL	\$3,661.20
Seed Treatment Insecticide			
Gaicho 600 Flowable Seed Treatment Insecticide	16.2 L	\$34.00 /L	\$550.80
		TOTAL	\$550.80
Surfactant			
Wilt 700 Surfactant	108.56 L	\$5.00 /L	\$542.80
		TOTAL	\$542.80
		TOTAL	\$292,959.25

Cost by Crop

CROP	AREA	SEED		FERT		CHEM		WATER		OPS		TOTAL	
	ha	Cost	Cost/ha	Cost	Cost/ha	Cost	Cost/ha	Cost	Cost/ha	Cost	Cost/ha	Cost	Cost/ha
Pasture (Pasture)	275	0.00	0.00	37,000.50	134.55	9,008.51	32.76	0.00	0.00	16,830.00	61.20	62,839.01	228.51
Barley	90	6,408.00	71.20	45,062.46	500.69	25,476.53	283.07	0.00	0.00	23,760.00	264.00	100,706.99	1,118.97
Pasture	62	10,306.25	167.58	26,039.26	423.40	3,359.83	54.63	0.00	0.00	15,088.00	245.33	54,793.34	890.95
Canola	62	7,615.00	122.82	33,747.84	544.32	15,011.07	242.11	0.00	0.00	18,246.00	294.29	74,619.91	1,203.55
TOTALS	489	24,329.25	49.80	141,850.06	290.38	52,855.94	108.20	0.00	0.00	73,924.00	151.33	292,959.25	599.71



Gross Margins by Crop

Barley		TOTAL COST			LOW		MED		HIGH	
90 ha		\$100,706.99			\$300.00 /t		\$350.00 /t		\$380.00 /t	
	t/ha	t	BE \$/t	\$	\$/ha	\$	\$/ha	\$	\$/ha	
LOW	5	450	223.79	34,293.01	381.03	56,793.01	631.03	70,293.01	781.03	
MED	6.5	585	172.15	74,793.01	831.03	104,043.01	1,156.03	121,593.01	1,351.03	
HIGH	7	630	159.85	88,293.01	981.03	119,793.01	1,331.03	138,693.01	1,541.03	

Canola		TOTAL COST			LOW		MED		HIGH	
62 ha		\$74,619.91			\$670.00 /t		\$700.00 /t		\$750.00 /t	
	t/ha	t	BE \$/t	\$	\$/ha	\$	\$/ha	\$	\$/ha	
LOW	2.5	155	481.42	29,230.09	471.45	33,880.09	546.45	41,630.09	671.45	
MED	2.961	183.6	406.43	48,392.09	780.52	53,900.09	869.36	63,080.09	1,017.42	
HIGH	3.461	214.6	347.72	69,162.09	1,115.52	75,600.09	1,219.36	86,330.09	1,392.42	

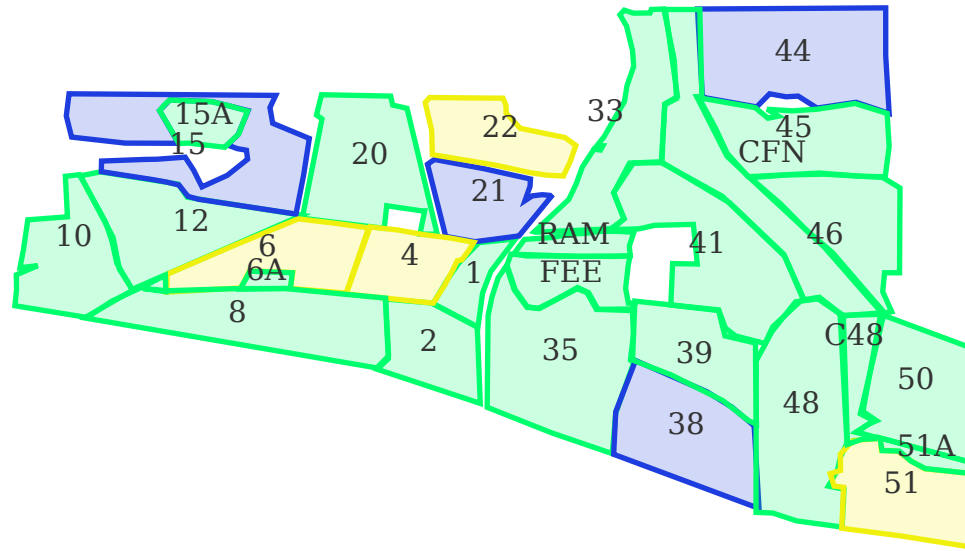
Pasture		TOTAL COST			LOW		MED		HIGH	
61.5 ha		\$54,793.34			\$103.33 /t		\$120.00 /t		\$140.00 /t	
	t/ha	t	BE \$/t	\$	\$/ha	\$	\$/ha	\$	\$/ha	
LOW	9.333	574	95.46	4,519.99	73.50	14,086.66	229.05	25,566.66	415.72	
MED	10.333	635.5	86.22	10,874.99	176.83	21,466.66	349.05	34,176.66	555.72	
HIGH	11.333	697	78.61	17,229.99	280.16	28,846.66	469.05	42,786.66	695.72	

Pasture (Pasture)		TOTAL COST			LOW		MED		HIGH	
275 ha		\$62,839.01			\$70.00 /t		\$80.00 /t		\$90.00 /t	
	t/ha	t	BE \$/t	\$	\$/ha	\$	\$/ha	\$	\$/ha	
LOW	10	2,750	22.85	129,660.99	471.49	157,160.99	571.49	184,660.99	671.49	
MED	11	3,025	20.77	148,910.99	541.49	179,160.99	651.49	209,410.99	761.49	
HIGH	12	3,300	19.04	168,160.99	611.49	201,160.99	731.49	234,160.99	851.49	

Total Farm Crop Gross Margin		Crops Gross Margin							
Total Area	Total Cost	All crops low price				All crops med price		All crops high price	
488.5 ha	\$292,959.25	\$	\$/ha	\$	\$/ha	\$	\$/ha	\$	\$/ha
	All crops low yield	197,704.08	404.72	261,920.75	536.17	322,150.75	659.47		
	All crops med yield	282,971.08	579.27	358,570.75	734.02	428,260.75	876.69		
	All crops high yield	342,846.08	701.83	425,400.75	870.83	501,970.75	1,027.58		

Rylington Park Aerial Overview

Barley ■ Canola ■ Pasture ■



Farm Planning Summary - Rylington Park

FIELD	2024
1 (Map: 1)	Pasture (Pasture) - Annual Pasture 5 ha
10 (Map: 10)	Pasture (Pasture) - Annual Pasture 20 ha
12 (Map: 12)	Pasture (Pasture) - Annual Pasture 18 ha
15 (Map: 15)	Barley - RGT Planet 20 ha
15A (Map: 15A)	Pasture - Ag Supplies Pasture Mix 15 ha
2 (Map: 2)	Pasture (Pasture) - Annual Pasture 10 ha
20 (Map: 20)	Pasture (Pasture) - Annual Pasture 26 ha
21 (Map: 21)	Barley - RGT Planet 13 ha
22 (Map: 22)	Canola - Nuseed Eagle TF (TF) 14 ha
33 (Map: 33)	Pasture - Ag Supplies Pasture Mix, Barley - RGT Planet 22 ha
35 (Map: 35)	Pasture (Pasture) - Annual Pasture 33 ha
38 (Map: 38)	Barley - RGT Planet 24 ha
39 (Map: 39)	Pasture - Ag Supplies Pasture Mix, Barley - RGT Planet 14 ha
4 (Map: 4)	Canola - HyTTec Trifecta (TT) 12 ha
41 (Map: 41)	Pasture (Pasture) - Annual Pasture 23 ha
44 (Map: 44)	Barley - Neo CL (CL) 33 ha
45 (Map: 45)	Pasture (Pasture) - Annual Pasture 18 ha
46 (Map: 46)	Pasture (Pasture) - Annual Pasture 19 ha
48 (Map: 48)	Pasture (Pasture) - Annual Pasture 24 ha
50 (Map: 50)	Pasture (Pasture) - Annual Pasture 19 ha
51 (Map: 51)	Canola - Nuseed Eagle TF (TF) 20 ha
51A (Map: 51A)	Pasture - Ag Supplies Pasture Mix 4 ha
6 (Map: 6)	Canola - Nuseed Eagle TF (TF) 16 ha

FIELD	2024
6A (Map: 6A)	Pasture - Ag Supplies Pasture Mix 1.5 ha
8 (Map: 8)	Pasture (Pasture) - Annual Pasture 30 ha
Creek 48 (Map: C48)	Pasture (Pasture) - Annual Pasture 5 ha
Creek Flats North (Map: CFN)	Pasture (Pasture) - Annual Pasture 15 ha
Feedlot (Map: FEE)	Pasture (Pasture) - Annual Pasture 10 ha
Ram (Map: RAM)	Pasture - Ag Supplies Pasture Mix, Barley - RGT Planet 5 ha

Rylington Park

Pasture - Ag Supplies Pasture Mix

Average Field Nutrition (kg/ha): **N** 116.153 **P** 20.832 **K** 31.128 **S** 2.659 **Cu** 0.181 **Mn** 2.022 **Zn** 0.271

33 (22 ha)

Total (22 ha)

Knock Down

18 Apr 2024

	RATE	TOTAL	COST/ HA	COST
Total Application Rate	80 L/ha	1,760 L		
Ammonium Sulphate Herbicide Adjuvant	2 %	35.2 kg	\$2.02	\$44.35
Wilt 700 Surfactant	0.2 %	3.52 L	\$0.80	\$17.60
Oxyfluorfen 240 EC	100 mL/ha	2.2 L	\$2.02	\$44.53
Alpha Cypermethrin 100 EC	100 mL/ha	2.2 L	\$0.84	\$18.52
Dimethoate	100 mL/ha	2.2 L	\$0.95	\$20.94
Glyphosate 450	2 L/ha	44 L	\$8.60	\$189.20
Boomspray application	1 ha/ha	22 ha	\$14.00	\$308.00
Total			\$29.23	\$643.15

Seedind

25 Apr 2024

	RATE	TOTAL	COST/ HA	COST
Ag Supplies Pasture Mix	25 kg/ha	550 kg	\$152.50	\$3,355.00
RGT Planet	70 kg/ha	1.54 t	\$21.00	\$462.00
AgNP 68% MOP 12% AgMn 20% (9-17-6-2, Cu, Zn, Mn)	120 kg/ha	2.64 t	\$143.88	\$3,165.36
Combine/seeding	1 ha/ha	22 ha	\$30.00	\$660.00
Field Nutrition (kg/ha): N 11.292 P 20.832 K 7.128 S 2.659 Cu 0.106 Mn 1.92 Zn 0.211				
Total			\$347.38	\$7,642.36

Bare Earth Spray PSPE - Within 48 Hours of Seeding No Longer

26 Apr 2024

	RATE	TOTAL	COST/ HA	COST
Total Application Rate	80 L/ha	1,760 L		
Wilt 700 Surfactant	0.2 %	3.52 L	\$0.80	\$17.60
Imtrade Bifenthrin Ultra 300 EC Insecticide	70 mL/ha	1.54 L	\$1.78	\$39.19
Chlorpyrifos 500EC	500 mL/ha	11 L	\$5.30	\$116.49
Boomspray application	1 ha/ha	22 ha	\$14.00	\$308.00
Total			\$21.88	\$481.28

3-4 Leaf Urea 60 MOP 40 Application

23 May 2024

	RATE	TOTAL	COST/ HA	COST
Urea 60% MOP 40% (28-0-20)	120 kg/ha	2.64 t	\$92.88	\$2,043.36
Spreading fertiliser	1 ha/ha	22 ha	\$10.00	\$220.00
Field Nutrition (kg/ha): N 33.12 K 24				
Total			\$102.88	\$2,263.36

5-6 Leaf Trace Element Application

06 Jun 2024

	RATE	TOTAL	COST/ HA	COST
Total Application Rate	80 L/ha	1,760 L		
Verno Copper	100 g/ha	2.2 kg	\$2.44	\$53.72
Verno Zinc	100 g/ha	2.2 kg	\$1.02	\$22.53
Verno Manganese	300 g/ha	6.6 kg	\$3.00	\$66.00
Boomspray application	1 ha/ha	22 ha	\$14.00	\$308.00
Field Nutrition (kg/ha): Cu 0.075 Mn 0.102 Zn 0.06				
Total			\$20.47	\$450.25

Early Tillering Flexi N Application

01 Jul 2024

	RATE	TOTAL	COST/ HA	COST
Total Application Rate	30 L/ha	660 L		
Flexi-N	100 L/ha	2,200 L	\$94.00	\$2,068.00
Boomspray application	1 ha/ha	22 ha	\$14.00	\$308.00
Field Nutrition (kg/ha): N 42.2				
130L Total Volume (30L Water + 100L Flexi N) Can be streamed if nothing else going out. (Decision made in season).				
Total			\$108.00	\$2,376.00

Early - Mid Tillering Broadleaf Application

03 Jul 2024

	RATE	TOTAL	COST/ HA	COST
Total Application Rate	79 L/ha	1,738 L		
Ecopar Herbicide	500 mL/ha	11 L	\$21.30	\$468.49
MCPA 750	450 mL/ha	9.9 L	\$5.15	\$113.35
Bayer Le-mat	120 mL/ha	2.64 L	\$3.54	\$77.88
Boomspray application	1 ha/ha	22 ha	\$14.00	\$308.00
Total			\$43.99	\$967.73

Flex N Application

12 Aug 2024

	RATE	TOTAL	COST/ HA	COST
Total Application Rate	30 L/ha	660 L		
Flexi-N	70 L/ha	1,540 L	\$65.80	\$1,447.60
Boomspray application	1 ha/ha	22 ha	\$14.00	\$308.00
Field Nutrition (kg/ha): N 29.54				
100L Total Volume (30L Water + 70L Flexi N) Can be streamed if nothing else going out. (Decision made in season).				
Total			\$79.80	\$1,755.60

Chem Total \$53.10 \$1,168.16

Fert Total \$403.03 \$8,866.57

Plan Total \$753.62 \$16,579.73

Pasture	TOTAL COST			LOW		MED		HIGH	
22 ha	\$16,579.73			\$80.00 /t		\$90.00 /t		\$100.00 /t	
	t/ha	t	BE \$/t	\$	\$/ha	\$	\$/ha	\$	\$/ha
LOW	10	220	75.36	1,020.27	46.38	3,220.27	146.38	5,420.27	246.38
MED	11	242	68.51	2,780.27	126.38	5,200.27	236.38	7,620.27	346.38
HIGH	12	264	62.80	4,540.27	206.38	7,180.27	326.38	9,820.27	446.38

Rylington Park

Pasture - Ag Supplies Pasture Mix

Average Field Nutrition (kg/ha): **N** 116.153 **P** 20.832 **K** 31.128 **S** 2.659 **Cu** 0.181 **Mn** 2.022 **Zn** 0.271

Ram (5 ha)

Total (5 ha)

Knock Down

18 Apr 2024

	RATE	TOTAL	COST/ HA	COST
Total Application Rate	80 L/ha	400 L		
Ammonium Sulphate Herbicide Adjuvant	2 %	8 kg	\$2.02	\$10.08
Wilt 700 Surfactant	0.2 %	800 mL	\$0.80	\$4.00
Oxyfluorfen 240 EC	100 mL/ha	500 mL	\$2.02	\$10.12
Alpha Cypermethrin 100 EC	100 mL/ha	500 mL	\$0.84	\$4.21
Dimethoate	100 mL/ha	500 mL	\$0.95	\$4.76
Glyphosate 450	2 L/ha	10 L	\$8.60	\$43.00
Boomspray application	1 ha/ha	5 ha	\$14.00	\$70.00
Total			\$29.23	\$146.17

Seedind

25 Apr 2024

	RATE	TOTAL	COST/ HA	COST
Ag Supplies Pasture Mix	25 kg/ha	125 kg	\$152.50	\$762.50
RGT Planet	70 kg/ha	350 kg	\$24.50	\$122.50
AgNP 68% MOP 12% AgMn 20% (9-17-6-2, Cu, Zn, Mn)	120 kg/ha	600 kg	\$143.88	\$719.40
Combine/seeding	1 ha/ha	5 ha	\$30.00	\$150.00
Field Nutrition (kg/ha): N 11.292 P 20.832 K 7.128 S 2.659 Cu 0.106 Mn 1.92 Zn 0.211				
Total			\$350.88	\$1,754.40

Bare Earth Spray PSPE - Within 48 Hours of Seeding No Longer

26 Apr 2024

	RATE	TOTAL	COST/ HA	COST
Total Application Rate	80 L/ha	400 L		
Wilt 700 Surfactant	0.2 %	800 mL	\$0.80	\$4.00
Imtrade Bifenthrin Ultra 300 EC Insecticide	70 mL/ha	350 mL	\$1.78	\$8.91
Chlorpyrifos 500EC	500 mL/ha	2.5 L	\$5.30	\$26.48
Boomspray application	1 ha/ha	5 ha	\$14.00	\$70.00
Total			\$21.88	\$109.38

3-4 Leaf Urea 60 MOP 40 Application

23 May 2024

	RATE	TOTAL	COST/ HA	COST
Urea 60% MOP 40% (28-0-20)	120 kg/ha	600 kg	\$92.88	\$464.40
Spreading fertiliser	1 ha/ha	5 ha	\$10.00	\$50.00
Field Nutrition (kg/ha): N 33.12 K 24				
Total			\$102.88	\$514.40

5-6 Leaf Trace Element Application

06 Jun 2024

	RATE	TOTAL	COST/ HA	COST
Total Application Rate	80 L/ha	400 L		
Verno Copper	100 g/ha	500 g	\$2.44	\$12.21
Verno Zinc	100 g/ha	500 g	\$1.02	\$5.12
Verno Manganese	300 g/ha	1.5 kg	\$3.00	\$15.00
Boomspray application	1 ha/ha	5 ha	\$14.00	\$70.00
Field Nutrition (kg/ha): Cu 0.075 Mn 0.102 Zn 0.06				
Total			\$20.47	\$102.33

Early Tillering Flexi N Application

01 Jul 2024

	RATE	TOTAL	COST/ HA	COST
Total Application Rate	30 L/ha	150 L		
Flexi-N	100 L/ha	500 L	\$94.00	\$470.00
Boomspray application	1 ha/ha	5 ha	\$14.00	\$70.00
Field Nutrition (kg/ha): N 42.2				
130L Total Volume (30L Water + 100L Flexi N) Can be streamed if nothing else going out. (Decision made in season).				
Total			\$108.00	\$540.00

Early - Mid Tillering Broadleaf Application

03 Jul 2024

	RATE	TOTAL	COST/ HA	COST
Total Application Rate	79 L/ha	395 L		
Ecopar Herbicide	500 mL/ha	2.5 L	\$21.30	\$106.48
MCPA 750	450 mL/ha	2.25 L	\$5.15	\$25.76
Bayer Le-mat	120 mL/ha	600 mL	\$3.54	\$17.70
Boomspray application	1 ha/ha	5 ha	\$14.00	\$70.00
Total			\$43.99	\$219.94

Flex N Application

12 Aug 2024

	RATE	TOTAL	COST/ HA	COST
Total Application Rate	30 L/ha	150 L		
Flexi-N	70 L/ha	350 L	\$65.80	\$329.00
Boomspray application	1 ha/ha	5 ha	\$14.00	\$70.00
Field Nutrition (kg/ha): N 29.54				
100L Total Volume (30L Water + 70L Flexi N) Can be streamed if nothing else going out. (Decision made in season).				
Total			\$79.80	\$399.00

Chem Total \$53.10 \$265.49

Fert Total \$403.03 \$2,015.13

Plan Total \$757.12 \$3,785.62

Pasture	TOTAL COST			LOW		MED		HIGH	
5 ha	\$3,785.62			\$80.00 /t		\$90.00 /t		\$100.00 /t	
	t/ha	t	BE \$/t	\$	\$/ha	\$	\$/ha	\$	\$/ha
LOW	10	50	75.71	214.38	42.88	714.38	142.88	1,214.38	242.88
MED	11	55	68.83	614.38	122.88	1,164.38	232.88	1,714.38	342.88
HIGH	12	60	63.09	1,014.38	202.88	1,614.38	322.88	2,214.38	442.88

Rylington Park

Pasture - Ag Supplies Pasture Mix

Average Field Nutrition (kg/ha): **N** 116.153 **P** 20.832 **K** 31.128 **S** 2.659 **Cu** 0.181 **Mn** 2.022 **Zn** 0.271

39 (14 ha)

Total (14 ha)

Knock Down

18 Apr 2024

	RATE	TOTAL	COST/ HA	COST
Total Application Rate	80 L/ha	1,120 L		
Ammonium Sulphate Herbicide Adjuvant	2 %	22.4 kg	\$2.02	\$28.22
Wilt 700 Surfactant	0.2 %	2.24 L	\$0.80	\$11.20
Oxyfluorfen 240 EC	100 mL/ha	1.4 L	\$2.02	\$28.34
Alpha Cypermethrin 100 EC	100 mL/ha	1.4 L	\$0.84	\$11.79
Dimethoate	100 mL/ha	1.4 L	\$0.95	\$13.33
Glyphosate 450	2 L/ha	28 L	\$8.60	\$120.40
Boomspray application	1 ha/ha	14 ha	\$14.00	\$196.00
Total			\$29.23	\$409.28

Seedind

25 Apr 2024

	RATE	TOTAL	COST/ HA	COST
Ag Supplies Pasture Mix	25 kg/ha	350 kg	\$152.50	\$2,135.00
RGT Planet	70 kg/ha	980 kg	\$24.50	\$343.00
AgNP 68% MOP 12% AgMn 20% (9-17-6-2, Cu, Zn, Mn)	120 kg/ha	1.68 t	\$143.88	\$2,014.32
Combine/seeding	1 ha/ha	14 ha	\$30.00	\$420.00
Field Nutrition (kg/ha): N 11.292 P 20.832 K 7.128 S 2.659 Cu 0.106 Mn 1.92 Zn 0.211				
Total			\$350.88	\$4,912.32

Bare Earth Spray PSPE - Within 48 Hours of Seeding No Longer

26 Apr 2024

	RATE	TOTAL	COST/ HA	COST
Total Application Rate	80 L/ha	1,120 L		
Wilt 700 Surfactant	0.2 %	2.24 L	\$0.80	\$11.20
Imtrade Bifenthrin Ultra 300 EC Insecticide	70 mL/ha	980 mL	\$1.78	\$24.94
Chlorpyrifos 500EC	500 mL/ha	7 L	\$5.30	\$74.13
Boomspray application	1 ha/ha	14 ha	\$14.00	\$196.00
Total			\$21.88	\$306.27

3-4 Leaf Urea 60 MOP 40 Application

23 May 2024

	RATE	TOTAL	COST/ HA	COST
Urea 60% MOP 40% (28-0-20)	120 kg/ha	1.68 t	\$92.88	\$1,300.32
Spreading fertiliser	1 ha/ha	14 ha	\$10.00	\$140.00
Field Nutrition (kg/ha): N 33.12 K 24				
Total			\$102.88	\$1,440.32

5-6 Leaf Trace Element Application

06 Jun 2024

	RATE	TOTAL	COST/ HA	COST
Total Application Rate	80 L/ha	1,120 L		
Verno Copper	100 g/ha	1.4 kg	\$2.44	\$34.19
Verno Zinc	100 g/ha	1.4 kg	\$1.02	\$14.34
Verno Manganese	300 g/ha	4.2 kg	\$3.00	\$42.00
Boomspray application	1 ha/ha	14 ha	\$14.00	\$196.00
Field Nutrition (kg/ha): Cu 0.075 Mn 0.102 Zn 0.06				
Total			\$20.47	\$286.52

Early Tillering Broadleaf Application

01 Jul 2024

	RATE	TOTAL	COST/ HA	COST
Total Application Rate	30 L/ha	420 L		
Flexi-N	100 L/ha	1,400 L	\$94.00	\$1,316.00
Boomspray application	1 ha/ha	14 ha	\$14.00	\$196.00
Field Nutrition (kg/ha): N 42.2				
130L Total Volume (30L Water + 100L Flexi N) Can be streamed if nothing else going out. (Decision made in season).				
Total			\$108.00	\$1,512.00

Early - Mid Tillering Broadleaf Application

03 Jul 2024

	RATE	TOTAL	COST/ HA	COST
Total Application Rate	79 L/ha	1,106 L		
Ecopar Herbicide	500 mL/ha	7 L	\$21.29	\$298.13
MCPA 750	450 mL/ha	6.3 L	\$5.15	\$72.13
Bayer Le-mat	120 mL/ha	1.68 L	\$3.54	\$49.56
Boomspray application	1 ha/ha	14 ha	\$14.00	\$196.00
Total			\$43.99	\$615.83

Flex N Application

12 Aug 2024

	RATE	TOTAL	COST/ HA	COST
Total Application Rate	30 L/ha	420 L		
Flexi-N	70 L/ha	980 L	\$65.80	\$921.20
Boomspray application	1 ha/ha	14 ha	\$14.00	\$196.00
Field Nutrition (kg/ha): N 29.54				
100L Total Volume (30L Water + 70L Flexi N) Can be streamed if nothing else going out. (Decision made in season).				
Total			\$79.80	\$1,117.20

Chem Total \$53.10 \$743.37

Fert Total \$403.03 \$5,642.36

Plan Total \$757.12 \$10,599.74

Pasture	TOTAL COST			LOW		MED		HIGH	
14 ha	\$10,599.74			\$80.00 /t		\$90.00 /t		\$100.00 /t	
	t/ha	t	BE \$/t	\$	\$/ha	\$	\$/ha	\$	\$/ha
LOW	10	140	75.71	600.26	42.88	2,000.26	142.88	3,400.26	242.88
MED	11	154	68.83	1,720.26	122.88	3,260.26	232.88	4,800.26	342.88
HIGH	12	168	63.09	2,840.26	202.88	4,520.26	322.88	6,200.26	442.88

Rylington Park

Pasture - Ag Supplies Pasture Mix

Average Field Nutrition (kg/ha): **N** 152.013 **P** 22.568 **K** 43.722 **S** 2.881 **Cu** 0.189 **Mn** 2.182 **Zn** 0.289

15A (15 ha)

51A (4 ha)

6A (1.5 ha)

Total (20.5 ha)

Knock Down

25 Apr 2024

	RATE	TOTAL	COST/ HA	COST
Total Application Rate	80 L/ha	1,640 L		
Ammonium Sulphate Herbicide Adjuvant	2 %	32.8 kg	\$2.02	\$41.33
Wilt 700 Surfactant	0.2 %	3.28 L	\$0.80	\$16.40
Oxyfluorfen 240 EC	100 mL/ha	2.05 L	\$2.02	\$41.49
Alpha Cypermethrin 100 EC	100 mL/ha	2.05 L	\$0.84	\$17.26
Dimethoate	100 mL/ha	2.05 L	\$0.95	\$19.52
Glyphosate 450	2 L/ha	41 L	\$8.60	\$176.30
Boomspray application	1 ha/ha	20.5 ha	\$14.00	\$287.00
Total			\$29.23	\$599.30

Seeding

01 May 2024

	RATE	TOTAL	COST/ HA	COST
Ag Supplies Pasture Mix	25 kg/ha	512.5 kg	\$152.50	\$3,126.25
AgNP 68% MOP 12% AgMn 20% (9-17-6-2, Cu, Zn, Mn)	130 kg/ha	2.665 t	\$155.87	\$3,195.34
Intake Hiload Gold In-furrow Fungicide	200 mL/ha	4.1 L	\$4.60	\$94.30
Combine/seeding	1 ha/ha	20.5 ha	\$30.00	\$615.00
Field Nutrition (kg/ha): N 12.233 P 22.568 K 7.722 S 2.881 Cu 0.114 Mn 2.08 Zn 0.229				
Intake Coated on Fertiliser at CSBP Works				
Total			\$342.97	\$7,030.89

Bare Earth Spray PSPE - Within 48 Hours of

Seeding No Longer

01 May 2024

	RATE	TOTAL	COST/ HA	COST
Total Application Rate	80 L/ha	1,640 L		
Wilt 700 Surfactant	0.2 %	3.28 L	\$0.80	\$16.40
Imtrade Bifenthrin Ultra 300 EC Insecticide	70 mL/ha	1.435 L	\$1.78	\$36.52
Chlorpyrifos 500EC	500 mL/ha	10.25 L	\$5.30	\$108.55
Boomspray application	1 ha/ha	20.5 ha	\$14.00	\$287.00
Total			\$21.88	\$448.47

3-4 Leaf Urea 60 MOP 40 Application

22 May 2024

	RATE	TOTAL	COST/ HA	COST
Urea 60% MOP 40% (28-0-20)	180 kg/ha	3.69 t	\$139.32	\$2,856.06
Spreading fertiliser	1 ha/ha	20.5 ha	\$10.00	\$205.00
Field Nutrition (kg/ha): N 49.68 K 36				
Total			\$149.32	\$3,061.06

7-8 Leaf Trace Element Application

19 Jun 2024

	RATE	TOTAL	COST/ HA	COST
Total Application Rate	80 L/ha	1,640 L		
Verno Copper	100 g/ha	2.05 kg	\$2.44	\$50.06
Verno Zinc	100 g/ha	2.05 kg	\$1.02	\$20.99
Verno Manganese	300 g/ha	6.15 kg	\$3.00	\$61.50
Boomspray application	1 ha/ha	20.5 ha	\$14.00	\$287.00
Field Nutrition (kg/ha): Cu 0.075 Mn 0.102 Zn 0.06				
Total			\$20.47	\$419.55

Urea Application Early Tillering

02 Jul 2024

	RATE	TOTAL	COST/ HA	COST
Urea	150 kg/ha	3.075 t	\$115.50	\$2,367.75
Spreading fertiliser	1 ha/ha	20.5 ha	\$10.00	\$205.00
Field Nutrition (kg/ha): N 69				
Total			\$125.50	\$2,572.75

Early - Mid Tillering Broadleaf Application

04 Jul 2024

	RATE	TOTAL	COST/ HA	COST
Total Application Rate	80 L/ha	1,640 L		
Ecopar Herbicide	500 mL/ha	10.25 L	\$21.30	\$436.55
MCPA 750	450 mL/ha	9.225 L	\$5.15	\$105.63
Bayer Le-mat	120 mL/ha	2.46 L	\$3.54	\$72.57
Boomspray application	1 ha/ha	20.5 ha	\$14.00	\$287.00
Total			\$43.99	\$901.74

Flexi N Application

05 Aug 2024

	RATE	TOTAL	COST/ HA	COST
Total Application Rate	50 L/ha	1,025 L		
Flexi-N	50 L/ha	1,025 L	\$47.00	\$963.50
Boomspray application	1 ha/ha	20.5 ha	\$14.00	\$287.00
Field Nutrition (kg/ha): N 21.1				
Total			\$61.00	\$1,250.50

Hay - Cutting, Tedding, Raking, Baling

17 Oct 2024

	RATE	TOTAL	COST/ HA	COST
Cut, Rake & Bale - hay	1 ha/ha	20.5 ha	\$368.00	\$7,544.00
Total			\$368.00	\$7,544.00

Chem Total \$57.70 \$1,182.81

Fert Total \$464.16 \$9,515.20

Plan Total \$1,162.35 \$23,828.26

Pasture	TOTAL COST			LOW		MED		HIGH	
20.5 ha	\$23,828.26			\$150.00 /t		\$180.00 /t		\$220.00 /t	
	t/ha	t	BE \$/t	\$	\$/ha	\$	\$/ha	\$	\$/ha
LOW	8	164	145.29	771.74	37.65	5,691.74	277.65	12,251.74	597.65
MED	9	184.5	129.15	3,846.74	187.65	9,381.74	457.65	16,761.74	817.65
HIGH	10	205	116.24	6,921.74	337.65	13,071.74	637.65	21,271.74	1,037.65

Rylington Park

Barley - RGT Planet



Average Field Nutrition (kg/ha): N 170.633 P 22.568 K 41.722 S 26.881 Cu 0.129 Mn 2.182 Zn 0.289

15 (20 ha)

21 (13 ha)

38 (24 ha)

Total (57 ha)

Gran NS PPS

05 Mar 2024

	RATE	TOTAL	COST/ HA	COST
GranNS	100 kg/ha	5.7 t	\$46.70	\$2,661.90
Spreading fertiliser	1 ha/ha	57 ha	\$10.00	\$570.00
Field Nutrition (kg/ha): N 21 S 24				
Total			\$56.70	\$3,231.90

Knock Down

03 May 2024

	RATE	TOTAL	COST/ HA	COST
Total Application Rate	80 L/ha	4,560 L		
Ammonium Sulphate Herbicide Adjuvant	2 %	91.2 kg	\$2.02	\$114.91
Wilt 700 Surfactant	0.2 %	9.12 L	\$0.80	\$45.60
Terrad'or Herbicide	20 g/ha	1.14 kg	\$6.52	\$371.64
Alpha Cypermethrin 100 EC	100 mL/ha	5.7 L	\$0.84	\$47.99
Dimethoate	100 mL/ha	5.7 L	\$0.95	\$54.26
2,4-D Ester 680	400 mL/ha	22.8 L	\$3.20	\$182.40
Glyphosate 450	2 L/ha	114 L	\$8.60	\$490.20
Hasten Spray Adjuvant	1 %	45.6 L	\$5.20	\$296.40
Boomspray application	1 ha/ha	57 ha	\$14.00	\$798.00
Total			\$42.13	\$2,401.41

Second Knock Down at Seeding

08 May 2024

	RATE	TOTAL	COST/ HA	COST
Total Application Rate	80 L/ha	4,560 L		
Ammonium Sulphate Herbicide Adjuvant	1 %	45.6 kg	\$1.01	\$57.46
Wilt 700 Surfactant	0.2 %	9.12 L	\$0.80	\$45.60
Diuron 900 DF	350 g/ha	19.95 kg	\$5.68	\$323.99
Trifluralin 480	2 L/ha	114 L	\$14.20	\$809.40
Boxer Gold Herbicide	2 L/ha	114 L	\$22.72	\$1,295.04
Chlorpyrifos 500EC	500 mL/ha	28.5 L	\$5.30	\$301.82
Paraquat 250	1.5 L/ha	85.5 L	\$10.00	\$570.29
Boomspray application	1 ha/ha	57 ha	\$14.00	\$798.00
Total			\$73.71	\$4,201.58

Seeding

08 May 2024

	RATE	TOTAL	COST/ HA	COST
RGT Planet	120 kg/ha	6.84 t	\$36.00	\$2,052.00
Systiva Seed Treatment Fungicide	150 mL/100kg of seed	10.26 L	\$40.68	\$2,318.76
Gaicho 600 Flowable Seed Treatment Insecticide	150 mL/100kg of seed	10.26 L	\$6.12	\$348.84
AgNP 68% MOP 12% AgMn 20% (9-17-6-2, Cu, Zn, Mn)	130 kg/ha	7.41 t	\$155.87	\$8,884.59
Intake Hiload Gold In-furrow Fungicide	200 mL/ha	11.4 L	\$4.60	\$262.20
Airseeder - contract	1 ha/ha	57 ha	\$60.00	\$3,420.00
Field Nutrition (kg/ha): N 12.233 P 22.568 K 7.722 S 2.881 Cu 0.114 Mn 2.08 Zn 0.229				
Intake Coated on Fertiliser at CSBP Works				
Total			\$303.27	\$17,286.39

3-4 Leaf Urea 60 MOP 40 Application

10 Jun 2024

	RATE	TOTAL	COST/ HA	COST
Urea 60% MOP 40% (28-0-20)	170 kg/ha	9.69 t	\$131.58	\$7,500.06
Spreading fertiliser	1 ha/ha	57 ha	\$10.00	\$570.00
Field Nutrition (kg/ha): N 46.92 K 34				
Total			\$141.58	\$8,070.06

4 - 5 Leaf Grass/Broadleaf Application

12 Jun 2024

	RATE	TOTAL	COST/ HA	COST
Total Application Rate	80 L/ha	4,560 L		
Verno Zinc	100 g/ha	5.7 kg	\$1.02	\$58.37
Mateno Complete Herbicide	750 mL/ha	42.75 L	\$46.34	\$2,641.52
Bromoxynil 200	500 mL/ha	28.5 L	\$5.71	\$325.19
Boomspray application	1 ha/ha	57 ha	\$14.00	\$798.00
Field Nutrition (kg/ha): Zn 0.06				
Total			\$67.07	\$3,823.08

Urea Fertiliser Application Early Tillering

10 Jul 2024

	RATE	TOTAL	COST/ HA	COST
Urea	160 kg/ha	9.12 t	\$123.20	\$7,022.40
Spreading fertiliser	1 ha/ha	57 ha	\$10.00	\$570.00
Field Nutrition (kg/ha): N 73.6				
Total			\$133.20	\$7,592.40

Early - Mid Tillering Broadleaf Application

15 Jul 2024

	RATE	TOTAL	COST/ HA	COST
Total Application Rate	80 L/ha	4,560 L		
Verno Manganese	300 g/ha	17.1 kg	\$3.00	\$171.00
Nufarm Saracen Herbicide	100 mL/ha	5.7 L	\$5.35	\$304.95
Prosaro 420 SC Foliar Fungicide	300 mL/ha	17.1 L	\$19.52	\$1,112.87
Nufarm Flight Herbicide	720 mL/ha	41.04 L	\$15.92	\$907.39
Dow Trojan Insecticide	12 mL/ha	684 mL	\$1.42	\$80.86
Wetter 1000	0.2 %	9.12 L	\$1.14	\$64.93
Boomspray application	1 ha/ha	57 ha	\$14.00	\$798.00
Field Nutrition (kg/ha): Mn 0.102				
Total			\$60.35	\$3,440.01

Second Fungicide With Flexi N 2nd-3rd Node

09 Aug 2024

	RATE	TOTAL	COST/ HA	COST
Total Application Rate	70 L/ha	3,990 L		
EDTA Copper Chelate (14.5%)	100 g/ha	5.7 kg	\$1.72	\$98.04
Amistar Xtra Fungicide	800 mL/ha	45.6 L	\$31.17	\$1,776.58
Flexi-N	40 L/ha	2,280 L	\$37.60	\$2,143.20
Boomspray application	1 ha/ha	57 ha	\$14.00	\$798.00
Field Nutrition (kg/ha): N 16.88 Cu 0.014				
Total Volume of 110L Per ha (40L Flexi N + 70L Water)				
Total			\$84.49	\$4,815.82

Last Fungicide (If Needed)

20 Sep 2024

	RATE	TOTAL	COST/ HA	COST
Total Application Rate	100 L/ha	5,700 L		
Imtrade Dalbie 800 WG Fungicide	80 g/ha	4.56 kg	\$15.84	\$902.88
Wetter 1000	0.2 %	11.4 L	\$1.42	\$81.17
Boomspray application	1 ha/ha	57 ha	\$14.00	\$798.00
Total			\$31.26	\$1,782.05

Harvest

02 Dec 2024

	RATE	TOTAL	COST/ HA	COST
Harvest contract	1 ha/ha	57 ha	\$90.00	\$5,130.00
Total			\$90.00	\$5,130.00

Chem Total \$283.07 \$16,135.13**Fert Total \$500.69 \$28,539.56****Plan Total \$1,083.77 \$61,774.69**

Barley	TOTAL COST			LOW		MED		HIGH	
	57 ha	t	BE \$/t	\$	\$/ha	\$	\$/ha	\$	\$/ha
LOW	5	285	216.75	23,725.31	416.23	37,975.31	666.23	46,525.31	816.23
MED	6.5	370.5	166.73	49,375.31	866.23	67,900.31	1,191.23	79,015.31	1,386.23
HIGH	7	399	154.82	57,925.31	1,016.23	77,875.31	1,366.23	89,845.31	1,576.23

Rylington Park

Pasture - Annual Pasture



Average Field Nutrition (kg/ha): N 52.751 P 3.5 K 4.95 S 4.2 Ca 8

1 (5 ha)	10 (20 ha)
12 (18 ha)	2 (10 ha)
20 (26 ha)	35 (33 ha)
41 (23 ha)	45 (18 ha)
46 (19 ha)	48 (24 ha)
50 (19 ha)	8 (30 ha)
Feedlot (10 ha)	

Total (255 ha)

Fertiliser Application

01 Mar 2024

	RATE	TOTAL	COST/ HA	COST
Super Potash 4:1	50 kg/ha	12.75 t	\$27.60	\$7,038.00
Spreading fertiliser	1 ha/ha	255 ha	\$10.00	\$2,550.00
Field Nutrition (kg/ha): P 3.5 K 4.95 S 4.2 Ca 8				
Total			\$37.60	\$9,588.00

Flexi N Application

07 Jun 2024

	RATE	TOTAL	COST/ HA	COST
Total Application Rate	50 L/ha	12,750 L		
Flexi-N	50 L/ha	12,750 L	\$47.00	\$11,985.00
Boomspray application	1 ha/ha	255 ha	\$14.00	\$3,570.00
Field Nutrition (kg/ha): N 21.1				
100L Total Volume (50L Flexi N + 50L Water)				
Total			\$61.00	\$15,555.00

Pasture Manipulation

10 Jul 2024

	RATE	TOTAL	COST/ HA	COST
Total Application Rate	80 L/ha	20,400 L		
Ecopar Herbicide	500 mL/ha	127.5 L	\$21.30	\$5,430.23
MCPA 750	450 mL/ha	114.75 L	\$5.15	\$1,313.89
Bayer Le-mat	120 mL/ha	30.6 L	\$3.54	\$902.70
Boomspray application	1 ha/ha	255 ha	\$14.00	\$3,570.00
Total			\$43.99	\$11,216.81

Flexi N 2nd Application

23 Jul 2024

	RATE	TOTAL	COST/ HA	COST
Total Application Rate	50 L/ha	12,750 L		
Flexi-N	75 L/ha	19,125 L	\$70.50	\$17,977.50
Boomspray application	1 ha/ha	255 ha	\$14.00	\$3,570.00
Field Nutrition (kg/ha): N 31.65				
100L Total Volume (50L Flexi N + 50L Water)				
Total			\$84.50	\$21,547.50

Spray Top

21 Oct 2024

	RATE	TOTAL	COST/ HA	COST
Total Application Rate	80 L/ha	20,400 L		
Paraquat 250	400 mL/ha	102 L	\$2.67	\$680.34
Uptake Spraying Oil	0.5 %	102 L	\$2.67	\$681.36
Boomspray application	1 ha/ha	255 ha	\$14.00	\$3,570.00
Total			\$19.34	\$4,931.70

Chem Total \$35.33 \$9,008.51
Fert Total \$145.10 \$37,000.50**Plan Total** \$246.43 \$62,839.01

Pasture (Pasture)	TOTAL COST			LOW		MED		HIGH	
255 ha	\$62,839.01			\$70.00 /t		\$80.00 /t		\$90.00 /t	
	t/ha	t	BE \$/t	\$	\$/ha	\$	\$/ha	\$	\$/ha
LOW	10	2,550	24.64	115,660.99	453.57	141,160.99	553.57	166,660.99	653.57
MED	11	2,805	22.40	133,510.99	523.57	161,560.99	633.57	189,610.99	743.57
HIGH	12	3,060	20.54	151,360.99	593.57	181,960.99	713.57	212,560.99	833.57

Rylington Park

Canola - HyTTec Trifecta



Average Field Nutrition (kg/ha): N 197.053 P 22.568 K 30.042 S 49.681 Cu 0.114 Mn 2.08 Zn 0.229

4 (12 ha)

Total (12 ha)

Gran NS PPS

04 Mar 2024

	RATE	TOTAL	COST/ HA	COST
GranNS	150 kg/ha	1.8 t	\$70.05	\$840.60
Spreading fertiliser	1 ha/ha	12 ha	\$10.00	\$120.00
Field Nutrition (kg/ha): N 31.5 S 36				
Total			\$80.05	\$960.60

Knock Down

15 Apr 2024

	RATE	TOTAL	COST/ HA	COST
Total Application Rate	80 L/ha	960 L		
Ammonium Sulphate Herbicide Adjuvant	2 %	19.2 kg	\$2.02	\$24.19
Wilt 700 Surfactant	0.2 %	1.92 L	\$0.80	\$9.60
Terrad'or Herbicide	20 g/ha	240 g	\$6.52	\$78.24
Alpha Cypermethrin 100 EC	100 mL/ha	1.2 L	\$0.84	\$10.10
Dimethoate	100 mL/ha	1.2 L	\$0.95	\$11.42
Glyphosate 450	2 L/ha	24 L	\$8.60	\$103.20
Hasten Spray Adjuvant	1 %	9.6 L	\$5.20	\$62.40
Boomspray application	1 ha/ha	12 ha	\$14.00	\$168.00
7 Days Plant Back on Terrad'or In Canola				
Total			\$38.93	\$467.16

Second Knock Down at Seeding

23 Apr 2024

	RATE	TOTAL	COST/ HA	COST
Total Application Rate	80 L/ha	960 L		
Ammonium Sulphate Herbicide Adjuvant	1 %	9.6 kg	\$1.01	\$12.10
Wilt 700 Surfactant	0.2 %	1.92 L	\$0.80	\$9.60
Atrazine 900 WDG	1.1 kg/ha	13.2 kg	\$12.65	\$151.80
Propyzamide 900 WG	500 g/ha	6 kg	\$35.21	\$422.52
Paraquat 250	1.5 L/ha	18 L	\$10.01	\$120.06
Boomspray application	1 ha/ha	12 ha	\$14.00	\$168.00
Total			\$73.67	\$884.08

Seeding

23 Apr 2024

	RATE	TOTAL	COST/ HA	COST
HyTTec Trifecta	2.5 kg/ha	30 kg	\$82.50	\$990.00
AgNP 68% MOP 12% AgMn 20% (9-17-6-2, Cu, Zn, Mn)	130 kg/ha	1.56 t	\$155.87	\$1,870.44
Intake Hiload Gold In-furrow Fungicide	200 mL/ha	2.4 L	\$4.60	\$55.20
Airseeder - contract	1 ha/ha	12 ha	\$60.00	\$720.00
Field Nutrition (kg/ha): N 12.233 P 22.568 K 7.722 S 2.881 Cu 0.114 Mn 2.08 Zn 0.229				
Intake Already Coated on Fertiliser at CSBP Works				
Total			\$302.97	\$3,635.64

Bare Earth Spray PSPE - Within 48 Hours of Seeding No Longer

24 Apr 2024

	RATE	TOTAL	COST/ HA	COST
Total Application Rate	80 L/ha	960 L		
Wilt 700 Surfactant	0.2 %	1.92 L	\$0.80	\$9.60
Atrazine 900 WDG	1.1 kg/ha	13.2 kg	\$12.65	\$151.80
Imtrade Bifenthrin Ultra 300 EC Insecticide	70 mL/ha	840 mL	\$1.78	\$21.38
Chlorpyrifos 500EC	500 mL/ha	6 L	\$5.30	\$63.54
Boomspray application	1 ha/ha	12 ha	\$14.00	\$168.00
Total			\$34.53	\$414.32

PSPE Slug Pellet Application

02 May 2024

	RATE	TOTAL	COST/ HA	COST
Meta Slug and Snail Pellets	3 kg/ha	36 kg	\$6.54	\$78.48
Axcela Snail & Slug Bait	3 kg/ha	36 kg	\$40.80	\$489.60
Spread - Bait	1 ha/ha	12 ha	\$5.00	\$60.00
Slug Pellet Spread - 7 Days After Bifenthrin Bare Earth Spray				
Total			\$52.34	\$628.08

Flexi N Streamed 1-2 Leaf

14 May 2024

	RATE	TOTAL	COST/ HA	COST
Total Application Rate	50 L/ha	600 L		
Flexi-N	40 L/ha	480 L	\$37.60	\$451.20
Boomspray application	1 ha/ha	12 ha	\$14.00	\$168.00
Field Nutrition (kg/ha): N 16.88				
90L Total Volume (40L Flexi N + 50L Water)				
Total			\$51.60	\$619.20

NKS Application 3-4 Leaf

28 May 2024

	RATE	TOTAL	COST/ HA	COST
CSBP NKS21	180 kg/ha	2.16 t	\$126.00	\$1,512.00
Spreading fertiliser	1 ha/ha	12 ha	\$10.00	\$120.00
Field Nutrition (kg/ha): N 50.94 K 22.32 S 10.8				
Total			\$136.00	\$1,632.00

4-5 Leaf Spray Application

04 Jun 2024

	RATE	TOTAL	COST/ HA	COST
Total Application Rate	80 L/ha	960 L		
Ammonium Sulphate Herbicide Adjuvant	1 kg/100L	9.6 kg	\$1.01	\$12.10
Wilt 700 Surfactant	0.2 %	1.92 L	\$0.80	\$9.60
Atrazine 900 WDG	550 g/ha	6.6 kg	\$6.33	\$75.90
Clethodim 240 EC	500 mL/ha	6 L	\$9.43	\$113.16
Quizalofop 99.5 EC	100 mL/ha	1.2 L	\$1.48	\$17.70
Alpha Cypermethrin 100 EC	100 mL/ha	1.2 L	\$0.84	\$10.10
Hasten Spray Adjuvant	1 L/100L	9.6 L	\$5.20	\$62.40
Boomspray application	1 ha/ha	12 ha	\$14.00	\$168.00
Clethodim Needs to be on Before Bud				
Total			\$39.08	\$468.96

Urea Application at Rosette

08 Jul 2024

	RATE	TOTAL	COST/ HA	COST
Urea	140 kg/ha	1.68 t	\$107.80	\$1,293.60
Spreading fertiliser	1 ha/ha	12 ha	\$10.00	\$120.00
Field Nutrition (kg/ha): N 64.4				
Total			\$117.80	\$1,413.60

Last Flexi N and Fungicide at 10-20% Flowers

04 Sep 2024

	RATE	TOTAL	COST/ HA	COST
Total Application Rate	70 L/ha	840 L		
Prosaro 420 SC Foliar Fungicide	450 mL/ha	5.4 L	\$29.29	\$351.43
Flexi-N	50 L/ha	600 L	\$47.00	\$564.00
Boomspray application	1 ha/ha	12 ha	\$14.00	\$168.00
Field Nutrition (kg/ha): N 21.1				
120L Total Volume (50L Flexi N + 70L water)				
Total			\$90.29	\$1,083.43

Crop Top - 20% Seed Colour Change in the Pod

01 Nov 2024

	RATE	TOTAL	COST/ HA	COST
Total Application Rate	100 L/ha	1,200 L		
Wilt 700 Surfactant	0.2 %	2.4 L	\$1.00	\$12.00
Dow Trojan Insecticide	30 mL/ha	360 mL	\$3.55	\$42.56
Nufarm Weedmaster DST Herbicide	2.7 L/ha	32.4 L	\$18.77	\$225.18
Boomspray application	1 ha/ha	12 ha	\$14.00	\$168.00
Total			\$37.31	\$447.74

Harvest

15 Nov 2024

	RATE	TOTAL	COST/ HA	COST
Harvest contract	1 ha/ha	12 ha	\$90.00	\$1,080.00
		Total	\$90.00	\$1,080.00

Chem Total \$234.75 \$2,816.97

Fert Total \$544.32 \$6,531.84

Plan Total \$1,144.57 \$13,734.81

Canola	TOTAL COST			LOW		MED		HIGH	
12 ha	\$13,734.81			\$670.00 /t		\$700.00 /t		\$750.00 /t	
	t/ha	t	BE \$/t	\$	\$/ha	\$	\$/ha	\$	\$/ha
LOW	2.5	30	457.83	6,365.19	530.43	7,265.19	605.43	8,765.19	730.43
MED	2.8	33.6	408.77	8,777.19	731.43	9,785.19	815.43	11,465.19	955.43
HIGH	3.3	39.6	346.84	12,797.19	1,066.43	13,985.19	1,165.43	15,965.19	1,330.43

Rylington Park

Canola - Nuseed Eagle TF



Average Field Nutrition (kg/ha): N 197.053 P 22.568 K 30.042 S 49.681 Cu 0.114 Mn 2.08 Zn 0.229

22 (14 ha)

51 (20 ha)

6 (16 ha)

Total (50 ha)

Gran NS PPS

04 Mar 2024

	RATE	TOTAL	COST/ HA	COST
GranNS	150 kg/ha	7.5 t	\$70.05	\$3,502.50
Spreading fertiliser	1 ha/ha	50 ha	\$10.00	\$500.00
Field Nutrition (kg/ha): N 31.5 S 36				
Total			\$80.05	\$4,002.50

Knock Down

15 Apr 2024

	RATE	TOTAL	COST/ HA	COST
Total Application Rate	80 L/ha	4,000 L		
Ammonium Sulphate Herbicide Adjuvant	2 %	80 kg	\$2.02	\$100.80
Wilt 700 Surfactant	0.2 %	8 L	\$0.80	\$40.00
Terrad'or Herbicide	20 g/ha	1 kg	\$6.52	\$326.00
Alpha Cypermethrin 100 EC	100 mL/ha	5 L	\$0.84	\$42.10
Dimethoate	100 mL/ha	5 L	\$0.95	\$47.60
Glyphosate 450	2 L/ha	100 L	\$8.60	\$430.00
Hasten Spray Adjuvant	1 L/100L	40 L	\$5.20	\$260.00
Boomspray application	1 ha/ha	50 ha	\$14.00	\$700.00
***NOTE- 7 days canola plant back with Terra'dor				
Total			\$38.93	\$1,946.50

Second Knock Down at Seeding

23 Apr 2024

	RATE	TOTAL	COST/ HA	COST
Total Application Rate	80 L/ha	4,000 L		
Ammonium Sulphate Herbicide Adjuvant	1 %	40 kg	\$1.01	\$50.40
Wilt 700 Surfactant	0.2 %	8 L	\$0.80	\$40.00
Trifluralin 480	2 L/ha	100 L	\$14.20	\$710.00
Propyzamide 900 WG	500 g/ha	25 kg	\$19.35	\$967.50
Paraquat 250	1.5 L/ha	75 L	\$10.00	\$500.25
Boomspray application	1 ha/ha	50 ha	\$14.00	\$700.00
Total			\$59.36	\$2,968.15

Seeding

23 Apr 2024

	RATE	TOTAL	COST/ HA	COST
Nuseed Eagle TF	2.5 kg/ha	125 kg	\$132.50	\$6,625.00
AgNP 68% MOP 12% AgMn 20% (9-17-6-2, Cu, Zn, Mn)	130 kg/ha	6.5 t	\$155.87	\$7,793.50
Intake Hiload Gold In-furrow Fungicide	200 mL/ha	10 L	\$4.60	\$230.00
Airseeder - contract	1 ha/ha	50 ha	\$60.00	\$3,000.00
Field Nutrition (kg/ha): N 12.233 P 22.568 K 7.722 S 2.881 Cu 0.114 Mn 2.08 Zn 0.229				
Intake is Coated on Fertiliser at CSBP Works				
Total			\$352.97	\$17,648.50

Bare Earth Spray PSPE - Within 48 Hours of Seeding No Longer

24 Apr 2024

	RATE	TOTAL	COST/ HA	COST
Total Application Rate	80 L/ha	4,000 L		
Wilt 700 Surfactant	0.2 %	8 L	\$0.80	\$40.00
Imtrade Bifenthrin Ultra 300 EC Insecticide	70 mL/ha	3.5 L	\$1.78	\$89.08
Chlorpyrifos 500EC	500 mL/ha	25 L	\$5.30	\$264.75
Boomspray application	1 ha/ha	50 ha	\$14.00	\$700.00
Total			\$21.88	\$1,093.82

PSPE Slug Pellet Application

02 May 2024

	RATE	TOTAL	COST/ HA	COST
Meta Slug and Snail Pellets	3 kg/ha	150 kg	\$6.54	\$327.00
Axcela Snail & Slug Bait	3 kg/ha	150 kg	\$40.80	\$2,040.00
Spread - Bait	1 ha/ha	50 ha	\$5.00	\$250.00
Slug Pellet Application 7 days after Bifenthrin Spray				
Total			\$52.34	\$2,617.00

Flexi N Streamed 1-2 Leaf

14 May 2024

	RATE	TOTAL	COST/ HA	COST
Total Application Rate	50 L/ha	2,500 L		
Flexi-N	40 L/ha	2,000 L	\$37.60	\$1,880.00
Boomspray application	1 ha/ha	50 ha	\$14.00	\$700.00
Field Nutrition (kg/ha): N 16.88				
90L Total Volume (40L Flexi N + 50L Water)				
Total			\$51.60	\$2,580.00

First Glyphosate Spray at 2-4 Leaf

23 May 2024

	RATE	TOTAL	COST/ HA	COST
Total Application Rate	80 L/ha	4,000 L		
Ammonium Sulphate Herbicide Adjuvant	1 %	40 kg	\$0.58	\$28.80
Wilt 700 Surfactant	0.2 %	8 L	\$0.80	\$40.00
Clethodim 240 EC	500 mL/ha	25 L	\$7.73	\$386.25
Dow Trojan Insecticide	12 mL/ha	600 mL	\$1.42	\$70.93
Nufarm Weedmaster DST Herbicide	1.5 L/ha	75 L	\$10.43	\$521.25
Uptake Spraying Oil	0.5 %	20 L	\$2.71	\$135.46
Boomspray application	1 ha/ha	50 ha	\$14.00	\$700.00
Total			\$37.65	\$1,882.69

Canola NKS Application

30 May 2024

	RATE	TOTAL	COST/ HA	COST
CSBP NKS21	180 kg/ha	9 t	\$126.00	\$6,300.00
Spreading fertiliser	1 ha/ha	50 ha	\$10.00	\$500.00
Field Nutrition (kg/ha): N 50.94 K 22.32 S 10.8				
Total			\$136.00	\$6,800.00

Second Glyphosate Spray at 6-7 Leaf

25 Jun 2024

	RATE	TOTAL	COST/ HA	COST
Total Application Rate	80 L/ha	4,000 L		
Wilt 700 Surfactant	0.2 %	8 L	\$0.80	\$40.00
Maxentis EC Fungicide	600 mL/ha	30 L	\$25.20	\$1,260.00
Nufarm Weedmaster DST Herbicide	1.5 L/ha	75 L	\$10.43	\$521.25
Wetter 1000	0.2 %	8 L	\$1.10	\$54.81
Boomspray application	1 ha/ha	50 ha	\$14.00	\$700.00
Total			\$51.52	\$2,576.06

Urea Fertiliser Application at Rosette

04 Jul 2024

	RATE	TOTAL	COST/ HA	COST
Urea	140 kg/ha	7 t	\$107.80	\$5,390.00
Spreading fertiliser	1 ha/ha	50 ha	\$10.00	\$500.00
Field Nutrition (kg/ha): N 64.4				
Total			\$117.80	\$5,890.00

Flexi N and Fungicide at 10-20% Flowers

23 Aug 2024

	RATE	TOTAL	COST/ HA	COST
Total Application Rate	70 L/ha	3,500 L		
Prosaro 420 SC Foliar Fungicide	450 mL/ha	22.5 L	\$29.29	\$1,464.30
Flexi-N	50 L/ha	2,500 L	\$47.00	\$2,350.00
Boomspray application	1 ha/ha	50 ha	\$14.00	\$700.00
Field Nutrition (kg/ha): N 21.1				
120L Per ha Total Volume (50L Flexi N + 70L Water)				
Total			\$90.29	\$4,514.30

Crop Top at Full Petal Drop and Leaf Droop

03 Oct 2024

	RATE	TOTAL	COST/ HA	COST
Total Application Rate	100 L/ha	5,000 L		
Wilt 700 Surfactant	0.2 %	10 L	\$1.00	\$50.00
Dow Trojan Insecticide	30 mL/ha	1.5 L	\$3.55	\$177.33
Nufarm Weedmaster DST Herbicide	2.7 L/ha	135 L	\$18.77	\$938.25
Boomspray application	1 ha/ha	50 ha	\$14.00	\$700.00
Total			\$37.31	\$1,865.58

Harvest

15 Nov 2024

	RATE	TOTAL	COST/ HA	COST
Harvest contract	1 ha/ha	50 ha	\$90.00	\$4,500.00
Total			\$90.00	\$4,500.00

Chem Total \$243.88 \$12,194.11
Fert Total \$544.32 \$27,216.00
Plan Total \$1,217.70 \$60,885.11

Canola	TOTAL COST			LOW		MED		HIGH	
50 ha	\$60,885.11			\$670.00 /t		\$700.00 /t		\$750.00 /t	
	t/ha	t	BE \$/t	\$	\$/ha	\$	\$/ha	\$	\$/ha
LOW	2.5	125	487.08	22,864.90	457.30	26,614.90	532.30	32,864.90	657.30
MED	3	150	405.90	39,614.90	792.30	44,114.90	882.30	51,614.90	1,032.30
HIGH	3.5	175	347.91	56,364.90	1,127.30	61,614.90	1,232.30	70,364.90	1,407.30

Rylington Park

Barley - Neo CL



Average Field Nutrition (kg/ha): N 170.633 P 22.568 K 41.722 S 26.881 Cu 0.129 Mn 2.182 Zn 0.289

44 (33 ha)

Total (33 ha)

Gran NS PPS

05 Mar 2024

	RATE	TOTAL	COST/ HA	COST
GranNS	100 kg/ha	3.3 t	\$46.70	\$1,541.10
Spreading fertiliser	1 ha/ha	33 ha	\$10.00	\$330.00
Field Nutrition (kg/ha): N 21 S 24				
Total			\$56.70	\$1,871.10

Knock Down

03 May 2024

	RATE	TOTAL	COST/ HA	COST
Total Application Rate	80 L/ha	2,640 L		
Ammonium Sulphate Herbicide Adjuvant	2 %	52.8 kg	\$2.02	\$66.53
Wilt 700 Surfactant	0.2 %	5.28 L	\$0.80	\$26.40
Terrad'or Herbicide	20 g/ha	660 g	\$6.52	\$215.16
Alpha Cypermethrin 100 EC	100 mL/ha	3.3 L	\$0.84	\$27.79
Dimethoate	100 mL/ha	3.3 L	\$0.95	\$31.42
2,4-D Ester 680	400 mL/ha	13.2 L	\$3.20	\$105.60
Glyphosate 450	2 L/ha	66 L	\$8.60	\$283.80
Hasten Spray Adjuvant	1 %	26.4 L	\$5.20	\$171.60
Boomspray application	1 ha/ha	33 ha	\$14.00	\$462.00
Total			\$42.13	\$1,390.29

Second Knock Down at Seeding

08 May 2024

	RATE	TOTAL	COST/ HA	COST
Total Application Rate	80 L/ha	2,640 L		
Ammonium Sulphate Herbicide Adjuvant	1 %	26.4 kg	\$1.01	\$33.26
Wilt 700 Surfactant	0.2 %	5.28 L	\$0.80	\$26.40
Diuron 900 DF	350 g/ha	11.55 kg	\$5.68	\$187.57
Trifluralin 480	2 L/ha	66 L	\$14.20	\$468.60
Boxer Gold Herbicide	2 L/ha	66 L	\$22.72	\$749.76
Chlorpyrifos 500EC	500 mL/ha	16.5 L	\$5.30	\$174.73
Paraquat 250	1.5 L/ha	49.5 L	\$10.01	\$330.17
Boomspray application	1 ha/ha	33 ha	\$14.00	\$462.00
Total			\$73.71	\$2,432.50

Seeding

08 May 2024

	RATE	TOTAL	COST/ HA	COST
Neo CL	120 kg/ha	3.96 t	\$132.00	\$4,356.00
Systiva Seed Treatment Fungicide	150 mL/100kg of seed	5.94 L	\$40.68	\$1,342.44
Gaucho 600 Flowable Seed Treatment Insecticide	150 mL/100kg of seed	5.94 L	\$6.12	\$201.96
AgNP 68% MOP 12% AgMn 20% (9-17-6-2, Cu, Zn, Mn)	130 kg/ha	4.29 t	\$155.87	\$5,143.71
Intake Hiload Gold In-furrow Fungicide	200 mL/ha	6.6 L	\$4.60	\$151.80
Airseeder - contract	1 ha/ha	33 ha	\$60.00	\$1,980.00
Field Nutrition (kg/ha): N 12.233 P 22.568 K 7.722 S 2.881 Cu 0.114 Mn 2.08 Zn 0.229				
Intake Coated on Fertiliser at CSBP Works				
Total			\$399.27	\$13,175.91

3-4 Leaf Urea 60 MOP 40 Application

10 Jun 2024

	RATE	TOTAL	COST/ HA	COST
Urea 60% MOP 40% (28-0-20)	170 kg/ha	5.61 t	\$131.58	\$4,342.14
Spreading fertiliser	1 ha/ha	33 ha	\$10.00	\$330.00
Field Nutrition (kg/ha): N 46.92 K 34				
Total			\$141.58	\$4,672.14

4 - 5 Leaf Grass/Broadleaf Application

12 Jun 2024

	RATE	TOTAL	COST/ HA	COST
Total Application Rate	80 L/ha	2,640 L		
Verno Zinc	100 g/ha	3.3 kg	\$1.02	\$33.79
Mateno Complete Herbicide	750 mL/ha	24.75 L	\$46.34	\$1,529.30
Bromoxynil 200	500 mL/ha	16.5 L	\$5.71	\$188.27
Boomspray application	1 ha/ha	33 ha	\$14.00	\$462.00
Field Nutrition (kg/ha): Zn 0.06				
Total			\$67.07	\$2,213.36

Urea Fertiliser Application Early Tillering

10 Jul 2024

	RATE	TOTAL	COST/ HA	COST
Urea	160 kg/ha	5.28 t	\$123.20	\$4,065.60
Spreading fertiliser	1 ha/ha	33 ha	\$10.00	\$330.00
Field Nutrition (kg/ha): N 73.6				
Total			\$133.20	\$4,395.60

Early - Mid Tillering Broadleaf Application

15 Jul 2024

	RATE	TOTAL	COST/ HA	COST
Total Application Rate	80 L/ha	2,640 L		
Verno Manganese	300 g/ha	9.9 kg	\$3.00	\$99.00
Nufarm Saracen Herbicide	100 mL/ha	3.3 L	\$5.35	\$176.55
Prosaro 420 SC Foliar Fungicide	300 mL/ha	9.9 L	\$19.52	\$644.29
Nufarm Flight Herbicide	720 mL/ha	23.76 L	\$15.92	\$525.33
Dow Trojan Insecticide	12 mL/ha	396 mL	\$1.42	\$46.82
Wetter 1000	0.2 %	5.28 L	\$1.14	\$37.59
Boomspray application	1 ha/ha	33 ha	\$14.00	\$462.00
Field Nutrition (kg/ha): Mn 0.102				
Total			\$60.35	\$1,991.58

Second Fungicide With Flexi N 2nd-3rd Node

09 Aug 2024

	RATE	TOTAL	COST/ HA	COST
Total Application Rate	70 L/ha	2,310 L		
EDTA Copper Chelate (14.5%)	100 g/ha	3.3 kg	\$1.72	\$56.76
Amistar Xtra Fungicide	800 mL/ha	26.4 L	\$31.17	\$1,028.54
Flexi-N	40 L/ha	1,320 L	\$37.60	\$1,240.80
Boomspray application	1 ha/ha	33 ha	\$14.00	\$462.00
Field Nutrition (kg/ha): N 16.88 Cu 0.014				
Total Volume of 110L Per ha (40L Flexi N + 70L Water)				
Total			\$84.49	\$2,788.10

Last Fungicide (If Needed)

20 Sep 2024

	RATE	TOTAL	COST/ HA	COST
Total Application Rate	100 L/ha	3,300 L		
Imtrade Dalbie 800 WG Fungicide	80 g/ha	2.64 kg	\$15.84	\$522.72
Wetter 1000	0.2 %	6.6 L	\$1.42	\$46.99
Boomspray application	1 ha/ha	33 ha	\$14.00	\$462.00
Total			\$31.26	\$1,031.71

Harvest

02 Dec 2024

	RATE	TOTAL	COST/ HA	COST
Harvest contract	1 ha/ha	33 ha	\$90.00	\$2,970.00
Total			\$90.00	\$2,970.00

Chem Total \$283.07 \$9,341.39
Fert Total \$500.69 \$16,522.90
Plan Total \$1,179.77 \$38,932.30

Barley	TOTAL COST			LOW		MED		HIGH	
	33 ha	t	BE \$/t	\$	\$/ha	\$	\$/ha	\$	\$/ha
LOW	5	165	235.95	10,567.70	320.23	18,817.70	570.23	23,767.70	720.23
MED	6.5	214.5	181.50	25,417.70	770.23	36,142.70	1,095.23	42,577.70	1,290.23
HIGH	7	231	168.54	30,367.70	920.23	41,917.70	1,270.23	48,847.70	1,480.23

SOIL RECOMMENDATION: Rylington Park - Barley - Barley 2024**ANALYTES**

Paddock	21	21	44	44	44
Site	21a	21b	44a	44b	44c
Depth	0 - 10	0 - 10	0 - 10	0 - 10	0 - 10
Target Yield	6t	6t	6t	6t	6t
Lab No.	10HS24170	10HS24175	10HS24166	10HS24179	10HS24169
Sample Date	13/02/2024	13/02/2024	13/02/2024	13/02/2024	13/02/2024
Texture	Sandy loam	Sandy loam	Sandy loam	Sandy loam	Sandy loam
Colour	Dark Grey	Dark Grey	Dark Brown	Brown Grey	Brown Grey
Gravel	30	30	30	50	60
Nitrogen	149	135	114	125	87
Nitrate N (mg/kg)	20	18	15	22	11
Ammonium N (mg/kg)	20	7	8	21	12
Organic Carbon (%)	4.9	4.9	3.8	5.5	4.8
Phosphorus (mg/kg)	70	52	36	44	61
PBI	253	147	182	348	106
Potassium (mg/kg)	189	54	60	139	205
Sulfur (mg/kg)	19	11	12	19	18
pH	5.3	5.2	5.3	5.5	5.9
pH H2O	5.8	5.8	5.7	6	6.2
EC (dS/m)	0.183	0.113	0.086	0.191	0.143

PRODUCT RECOMMENDATIONS

Paddock	21		44		
Site Name	21a	21b	44a	44b	44c
Depth	0 - 10	0 - 10	0 - 10	0 - 10	0 - 10
Lime kg/ha Topdress - Autumn	500	1000	500		
Agnp Boyup 2024 kg/ha Drill with the seed - At seeding	100	100	100	100	100
Urea 60 Mop 40 kg/ha Topdress - 2-4 weeks after emergence	100	100	100	100	100
Flexi-N l/ha Foliar spray - 6-8 weeks after emergence	100	100	100	100	100
Flexi-N l/ha Foliar spray - 8-10 weeks after emergence	100	100	100	100	100

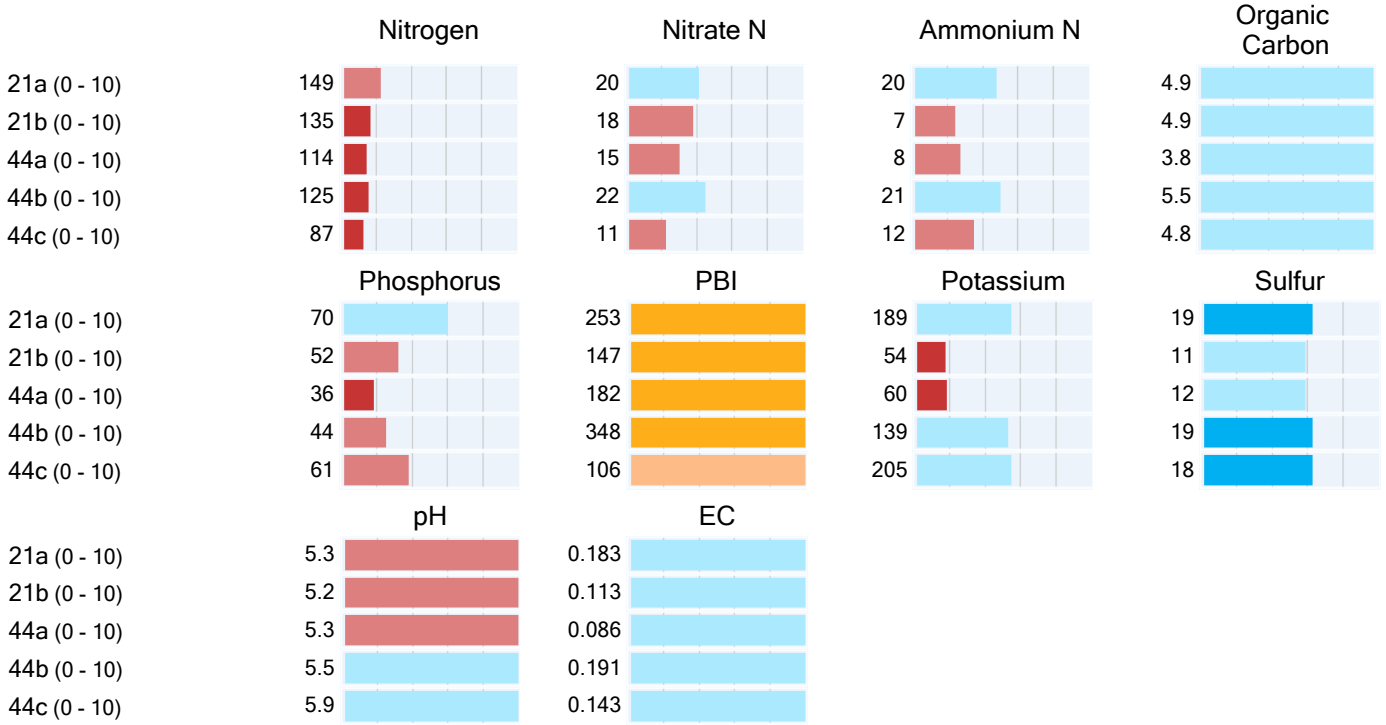
NUTRIENT DEMAND AND SUPPLY

Paddock	21		44		
Site	21a	21b	44a	44b	44c
Depth	0 - 10	0 - 10	0 - 10	0 - 10	0 - 10
Nitrogen (N)	37/121	68/121	93/121	71/121	116/121
Phosphorus (P)	0/18	7/18	17/18	12/18	2/18
Potassium (K)	0/26	26/26	25/26	0/26	0/26
Sulfur (S)	0/2	0/2	0/2	0/2	0/2
Lime	500/500	1000/1000	500/500		

RECOMMENDATION COMMENTS

Marc
pH lower than the optimal 5.5 CaCl on one site. I suggest an application of lime.
P levels are varied. Although the model suggest no P we must consider the removal P form the crop of 3 units per tonne produced. I suggest seeding with 18 units of P.
Potassium is low on some sites Adequate K should be supplied with the crop fertiliser and the Urea Mop..
N levels are low local trials have shown good responses using up to 180 units of N, however applications should depend on seasonal conditions, yield potential and plant results.
Cheers Dan

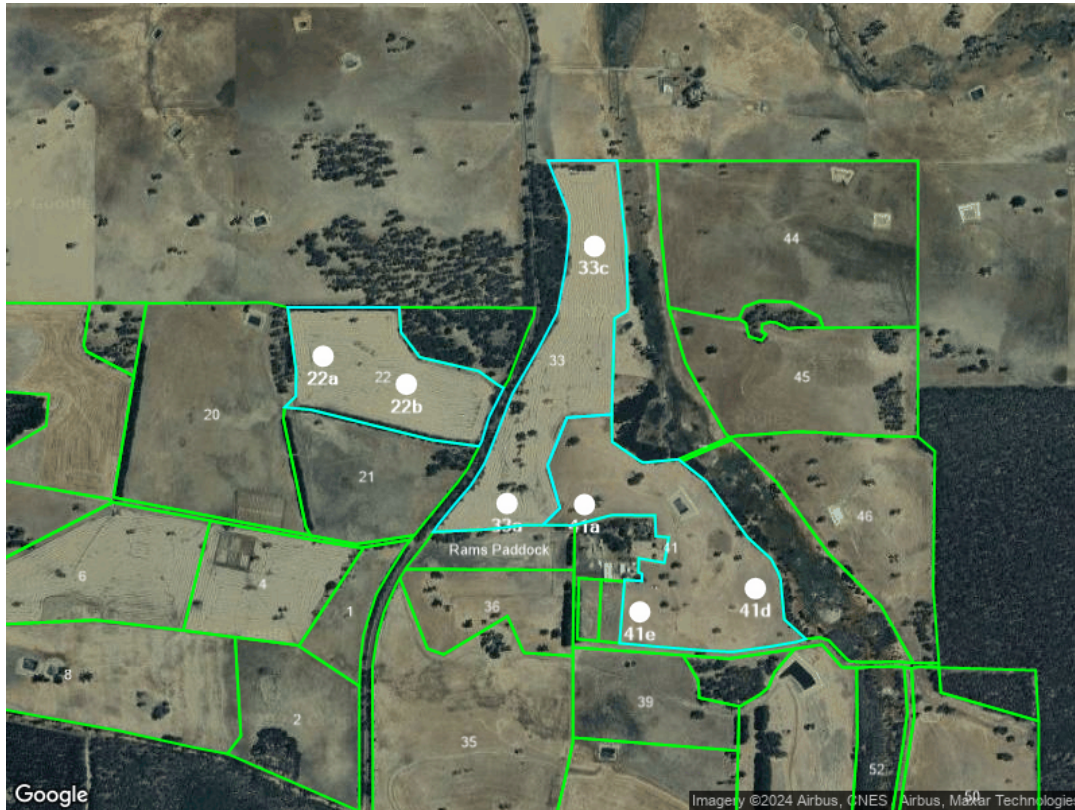
FUEL GAUGES



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SOIL RECOMMENDATION: Rylington Park - Canola - Canola 2024



ANALYTES

Paddock	22	22	33	33	41	41	41
Site	22a	22b	33a	33c	41a	41d	41e
Depth	0 - 10	0 - 10	0 - 10	0 - 10	0 - 10	0 - 10	0 - 10
Target Yield	3.5t	3.5t	3.5t	3.5t	3t	3t	3t
Lab No.	1OHS24176	1OHS24167	1OHS24178	1OHS24171	1OHS24177	1OHS24173	1OHS24172
Sample Date	13/02/2024	13/02/2024	13/02/2024	13/02/2024	13/02/2024	13/02/2024	13/02/2024
Texture	Sandy loam	Sandy loam	Loamy sand	Sandy loam	Sandy loam	Sandy loam	Sandy loam
Colour	Grey Brown	Brown Black	Dark Grey	Brown Black	Brown Black	Brown Black	Dark Grey
Gravel	60	40	0	20	40	60	5
Nitrogen	42	89	163	143	142	107	226
Nitrate N (mg/kg)	5	9	13	3	15	16	38
Ammonium N (mg/kg)	4	5	19	8	28	16	10
Organic Carbon (%)	3.8	5.5	3.2	4.7	4.5	4.9	5.2
Phosphorus (mg/kg)	67	78	77	59	99	99	100
PBI	95	161	81	305	229	194	105
Potassium (mg/kg)	63	118	215	146	225	116	518
Sulfur (mg/kg)	6	8	10	16	12	13	10
pH	6	6.2	5.6	5.6	5.3	5.3	6.5
pH H2O	6.4	6.5	6.3	6.1	5.9	5.8	6.9
EC (dS/m)	0.08	0.118	0.183	0.108	0.175	0.152	0.276

PRODUCT RECOMMENDATIONS

Paddock	22		33		41		
Site Name	22a	22b	33a	33c	41a	41d	41e
Depth	0 - 10	0 - 10	0 - 10	0 - 10	0 - 10	0 - 10	0 - 10
Lime kg/ha Topdress - Autumn					500	500	
GranNS kg/ha Topdress - Pre-seeding	100	100	100	100	100	100	100
Agnp Boyup 2024 kg/ha Drill with the seed - At seeding	110	110	110	110	110	110	110
Flexi-N l/ha Foliar spray - 2-4 weeks after emergence	100	100	100	100	100	100	100
Flexi-N l/ha Foliar spray - 6-8 weeks after emergence	100	100	100	100	100	100	100
Flexi-N l/ha Foliar spray - 8-10 weeks after emergence	100	100	100	100	100	100	100

NUTRIENT DEMAND AND SUPPLY

Paddock	22		33		41		
Site	22a	22b	33a	33c	41a	41d	41e
Depth	0 - 10	0 - 10	0 - 10	0 - 10	0 - 10	0 - 10	0 - 10
Nitrogen (N)	190/157	141/157	75/157	94/157	60/157	92/157	0/157
Phosphorus (P)	0/20	0/20	0/20	0/20	0/20	0/20	0/20
Potassium (K)	22/7	0/7	0/7	0/7	0/7	0/7	0/7
Sulfur (S)	24/27	24/27	0/27	0/27	0/27	0/27	0/27
Lime					500/500	500/500	

RECOMMENDATION COMMENTS

Marc

pH lower than the optimal 5.5 CaCl on some sites. I suggest an application of lime.

P levels are good. Although the model suggest no P, we must consider the removal P form the crop new data shows 6 units of P per tonne produced. I suggest seeding with 21 units of P.

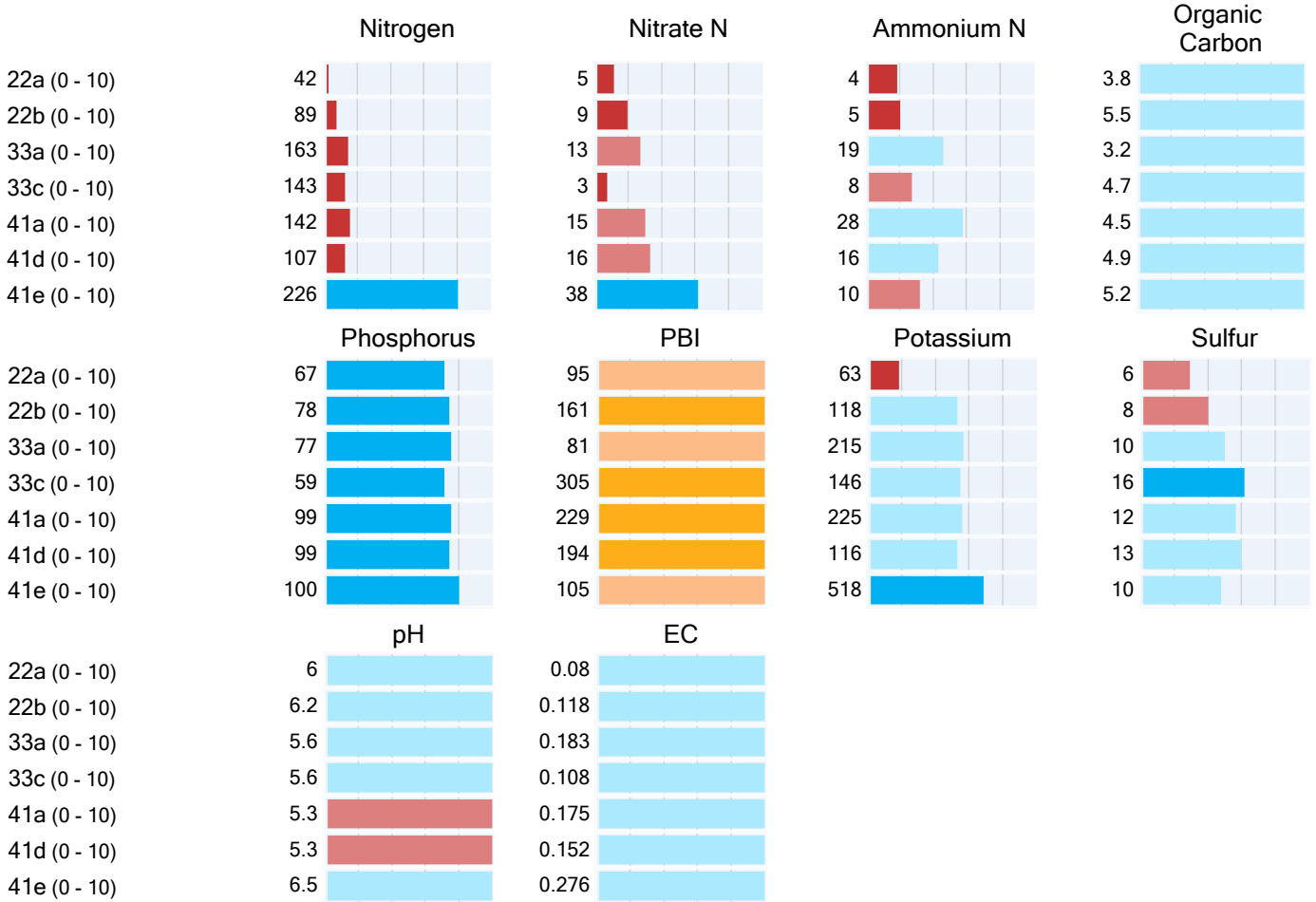
Potassium limiting on site 22a. I suggest patching out some Mop there to prevent K being limiting.

Sulphur low on some sites I suggest using Granns.

Nitrogen applications should depend on plant results and seasonal conditions.

Cheers Dan

FUEL GAUGES



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SOIL RECOMMENDATION: Rylington Park - Sub. Clover - Pasture 2024



ANALYTES

Paddock	8	8
Site	3a	3b
Depth	0 - 10	0 - 10
Target Yield	8t	8t
Lab No.	10HS24174	10HS24168
Sample Date	13/02/2024	13/02/2024
Texture	Sandy loam	Sandy loam
Colour	Dark Grey	Grey Brown
Gravel	40	30
Nitrogen	156	138
Nitrate N (mg/kg)	20	9
Ammonium N (mg/kg)	29	15
Organic Carbon (%)	5	4.3
Phosphorus (mg/kg)	55	27
PBI	197	228
Potassium (mg/kg)	183	54
Sulfur (mg/kg)	11	8
pH	5.5	5.5
pH H2O	5.9	5.9
EC (dS/m)	0.17	0.09

Nutrient: LOW MARGINAL SUFFICIENT HIGH EXCESS

Soil Health: VERY LOW LOW IDEAL HIGH VERY HIGH

PRODUCT RECOMMENDATIONS

Paddock	8	
Site Name	3a	3b
Depth	0 - 10	0 - 10
Lime kg/ha Topdress - Autumn		500
Super Phos kg/ha Topdress - Autumn		130
Muriate of Potash kg/ha Topdress - Autumn		90

NUTRIENT DEMAND AND SUPPLY

Paddock	8	
Site	3a	3b
Depth	0 - 10	0 - 10
Nitrogen (N)	0/0	0/0
Phosphorus (P)	0/0	12/11
Potassium (K)	0/0	44/45
Sulfur (S)	0/0	15/14
Lime		500/500

RECOMMENDATION COMMENTS

Marc

pH lower than the optimal 5.5 CaCl on one site. I suggest an application of lime.

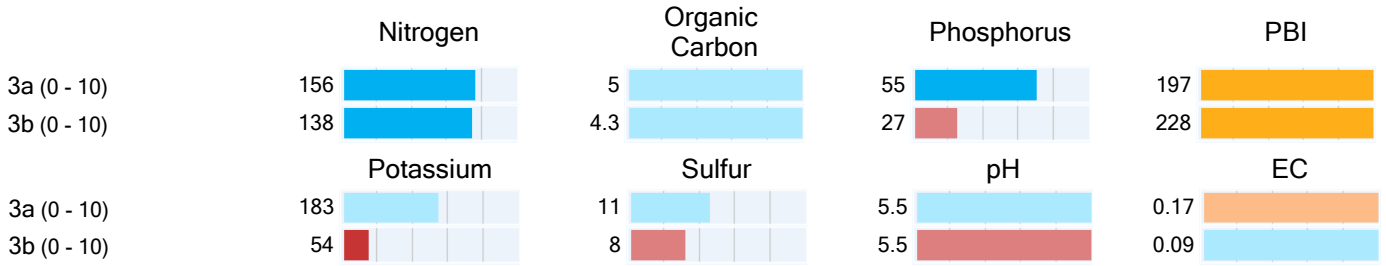
P levels are varied. I suggest an application of Superphos on site 3b.

K levels are very low on site 3b I suggest 60kg/ha of Mop in Autumn and repeat in spring if the budget allows.

Adequate sulphur will be supplied with the Superphos.

Cheers Dan

FUEL GAUGES



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Rylington Park

Decision Tree Model

Integrated Farm Forestry

Date: 30th October 2023



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Decision Tree

Background

The purpose of this report is to present the outcomes from the Decision Tree online assessment tool. More information on Decision Tree is available at www.decisiontreewa.com.au

Proponent

Rylington Park Institute for Agriculture Training and Research

Property Name

Rylington Park

Objective

The objective of the proponent is to assess return on investment for the development of a plantation on the property.

Planting Area

The image below details the extent of the area evaluated through the Decision Tree model. The map and corresponding areas utilised in the Decision Tree model do not take into account plant back distances from standing trees, riparian zones, infrastructure and other features. As such, it is presumed that the total area modelled in this exercise will be reduced.

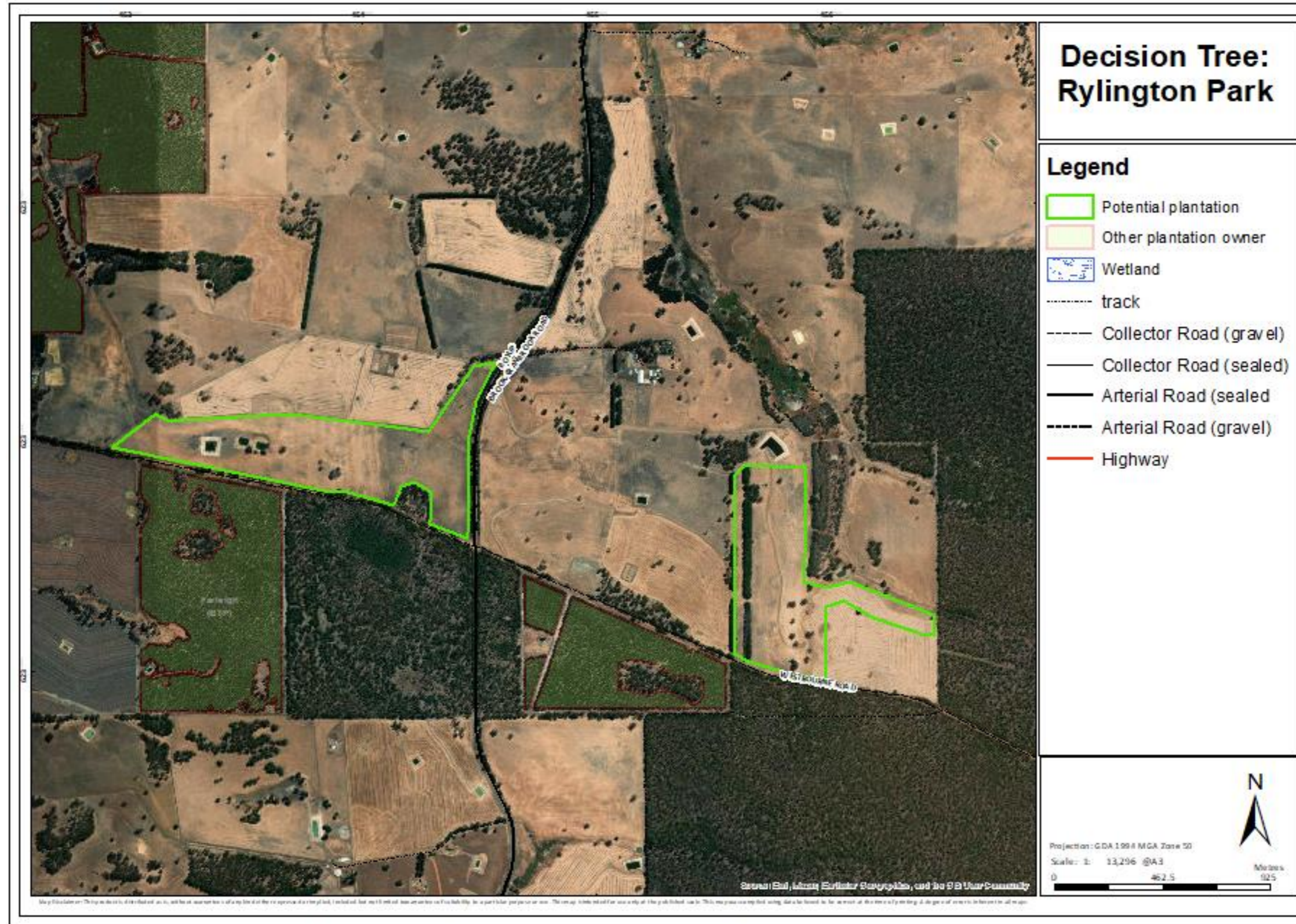
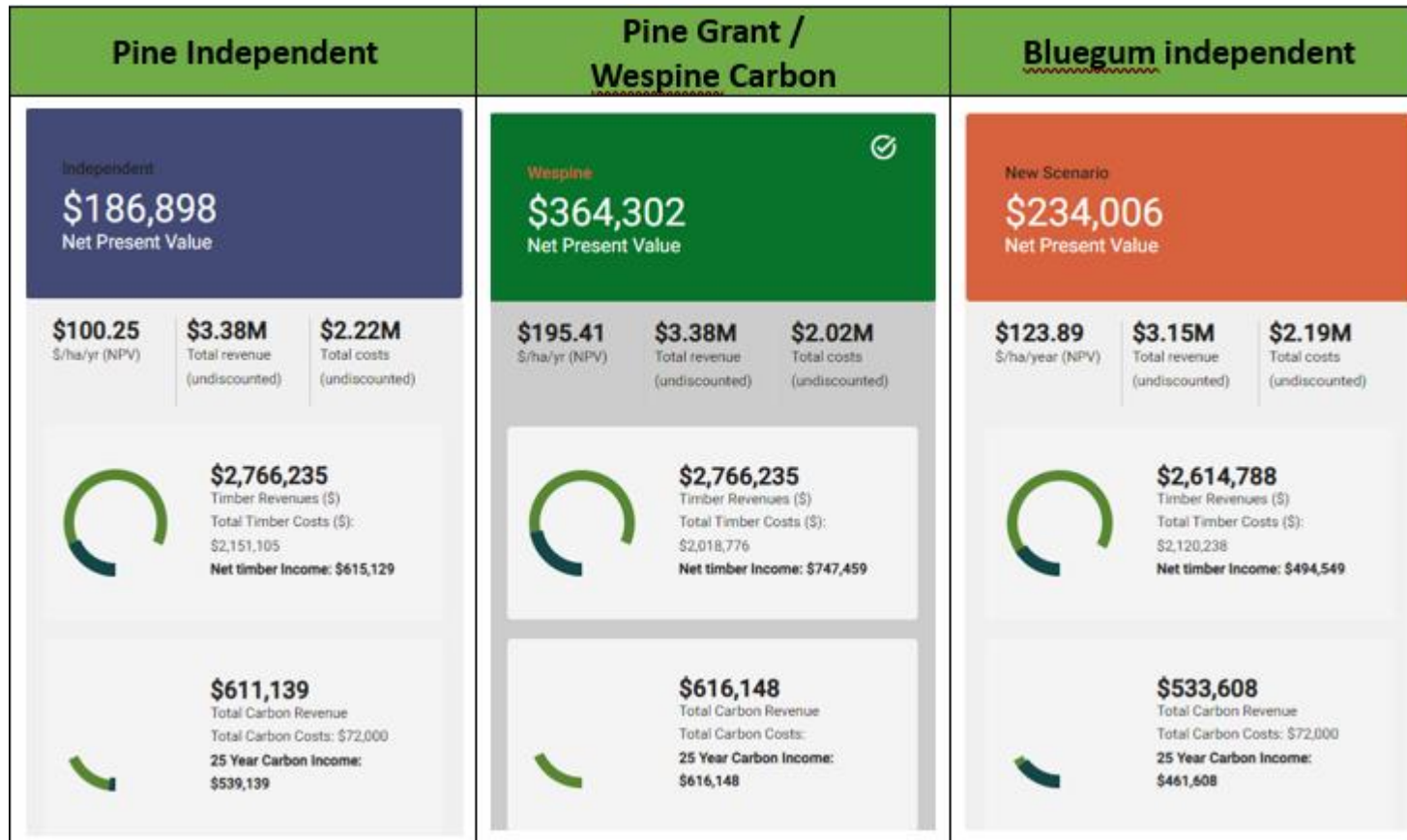


Figure 1 - Rylington Park - Proposed plantation

Dashboard

Financial projects are often discounted to account for the future value of money and other risks that may impact on net return. A Net Present Value is calculated utilising a discount rate. Available data sourced from large forestry companies in Australia show an average discount rate of 8% from 2013 to 2023. The discount rate varies depending on the proponent's understanding of risk and their expectations on investment returns. There are many other benefits from tree plantations that aren't related to financial return. These also should be considered when evaluating a plantation project.

The image below provides a summary of the Scenarios evaluated through the Decision Tree model for the Planting Area.



Assumptions for each Scenario associated with the Planting Area are detailed in the table below. Refer to the section below for further detail on the variance between the scenarios.

Category	Item	Unit	SCENARIO		
			Pine Independent	Pine Grant / Wespine Carbon	Blue gum independent
General	Area	ha	75	75	75
General	MAI	m3/ha/annum	17	17	14
Establishment and Maintenance	Site preparation	\$/ha	440	0	330
Establishment and Maintenance	Establishment	\$/ha	1250	0	1250
Establishment and Maintenance	Annual costs	\$/ha	150	150	88
Establishment and Maintenance	Maintenance costs	\$/ha	180	180	175
Establishment and Maintenance	Second rotation costs	\$/ha	0	0	760
Establishment and Maintenance	Cost contingency	\$/ha	5	5	5
Harvesting and Transport	1 st Thinning harvest	\$/t	35	35	NA
Harvesting and Transport	Road construction / fertiliser	\$/ha	429	429	NA
Harvesting and Transport	2 nd thinning harvest	\$/t	30	30	NA
Harvesting and Transport	Road maintenance	\$/ha	32	32	129
Harvesting and Transport	Clearfell harvest	\$/tonne	20	20	NA
Harvesting and Transport	Distance to mill	km	135	135	135
Harvesting and Transport	Haulage cost	\$/km/tonne	0.17	0.17	0.17
Carbon fees	Set up	\$	14000	0	14000
Carbon fees	First offset report	\$	5000	0	5000
Carbon fees	Subsequent offset reports	\$	2000	0	2000
Carbon fees	Forester inspections	\$	1500	0	1500
Carbon fees	Audit	\$	10000	0	10000
Prices	Chip (Pulp)	\$/tonne	NA	NA	103
Prices	Small sawlogs	\$/tonne	92	92	NA
Prices	Sawlogs	\$/tonne	126	126	NA
Prices	Poles	\$/tonne	210	210	NA
Prices	Industrial wood	\$/tonne	68	68	NA
Prices	Carbon	\$/carbon unit	30	30	30
Thinning and Harvest regime	1 st thinnings – small sawlog	\$/tonne	20	20	NA
Thinning and Harvest regime	1 st thinning – industrial wood	\$/tonne	80	80	NA
Thinning and Harvest regime	2 nd thinning – small sawlog	\$/tonne	35	35	NA
Thinning and Harvest regime	2 nd thinning – sawlog	\$/tonne	15	15	NA
Thinning and Harvest regime	2 nd thinning – Industrial wood	\$/tonne	50	50	NA
Thinning and Harvest regime	Clearfell – small sawlog	\$/tonne	19	19	NA
Thinning and Harvest regime	Clearfell – sawlog	\$/tonne	58	58	NA
Thinning and Harvest regime	Clearfell – Industrial wood	\$/tonne	3	3	NA
Thinning and Harvest regime	Clearfell – poles	\$/tonne	20	20	NA
Financial analysis	Discount rate	%	7	7	7
Financial analysis	Carbon permanence	years	25	25	25
Financial analysis	Accreditation cycles	reports	5	5	5
Financial analysis	Forester inspections	inspections	10	10	10
Financial analysis	Audits	audits	3	3	3

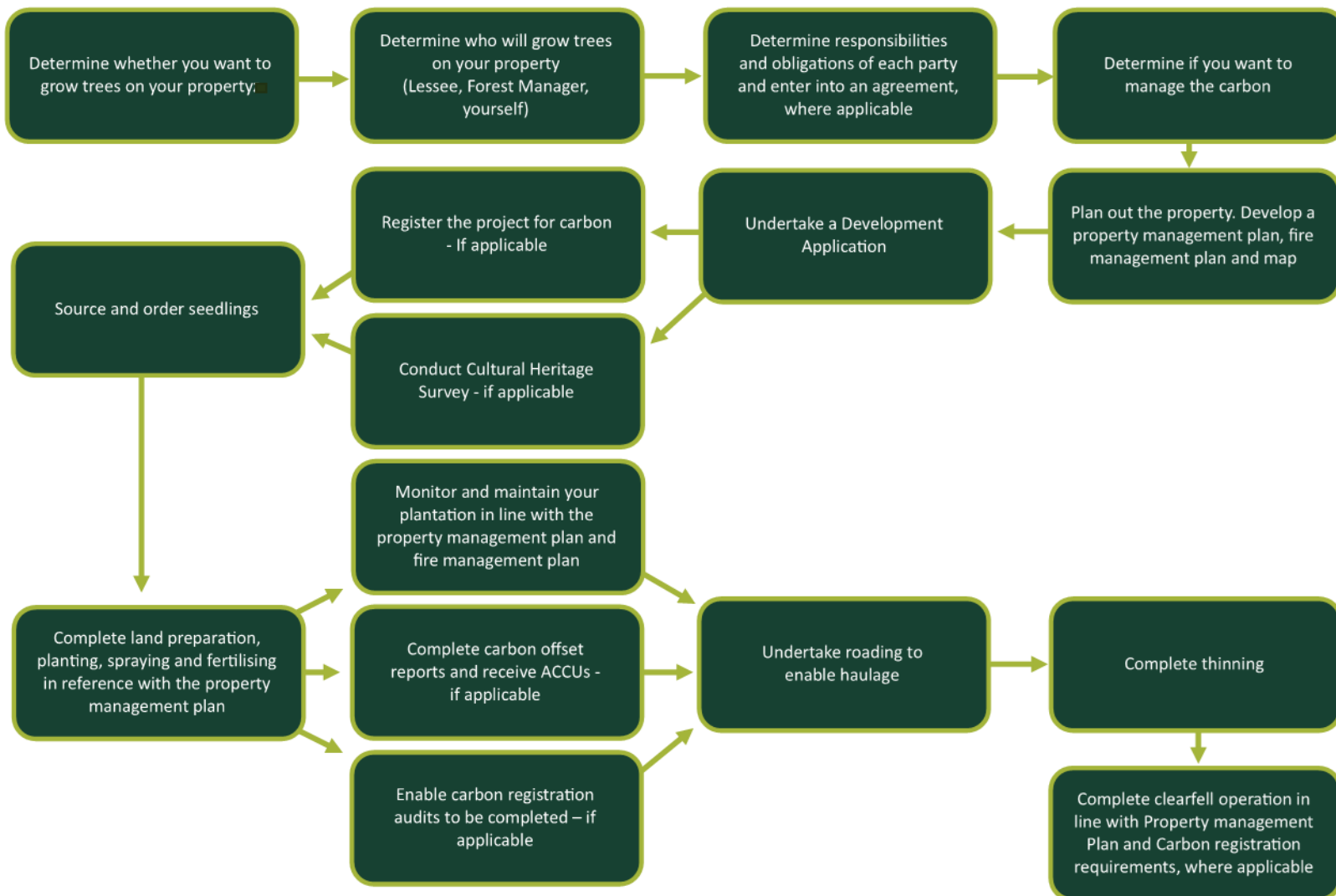
Dashboard scenarios.

The following information provides guidance related to the scenarios and the variance between them:

- Pine / Blue gum: species chosen for establishment being either Radiata pine (Pine) or Tasmanian Blue gum (Blue gum).
- Independent: scenarios where the landowner is responsible for all management and operational costs and is not supported by a third-party agreement or grant.
- Grant: refers to the Australian Federal Government funding of a co-contribution up to \$2,000 per hectare for establishment of new long-rotation plantations. It is assumed that the value of the land provided by the applicant will be more than the \$2,000 per hectare offered and as such all site preparation and establishment costs will be covered through the fund. More information can be found at [Plantation Gant website](#). The site preparation and establishment costs are removed from this scenario.
- Wespine Carbon: refers to an offer provided by Wespine industries whereby the proponent enters into an offtake agreement, providing Wespine first right of refusal. Wespine offer to pay all administrative costs associated with carbon registration through a carbon aggregation model in which they will distribute funds provided by the emissions regulator back to the proponent. The carbon costs associated with this scenario are removed.

Steps to an integrated farm forestry project

The image below provides a guide to developing a farm forestry project



Assistance

If you do decide that planting trees on your farm is a good idea, you are certainly not going it alone. There are many programs and organisations that can help you grow your trees and want to help you succeed.

Decision Tree

The [*Decision Tree website*](#) provides information and links to assist you.

Forest Products Commission (FPC) Farm Forestry Assist

The FPC directly supports farmers with small forestry operations through its Farm Forestry Assist program to provide free *Pinus radiata* or *Pinus pinaster* seedlings. To access the program, the property should be suitable with respect to rainfall, scale, soil and location so that the future trees can contribute to WA's softwood resource and meet the grower's economic expectations. The FPC provides technical advice to support the establishment of viable and productive farm forestry. In addition, the FPC website includes practical reference guides for tree planting and fire management and protection.

Private Consultants

There are a range of private consultants you can engage to assist you in a range of areas. You should consider which one is right for you, by asking relevant questions and getting to know them. Such consultants include but are not limited to:

Forest management

- *Australian Forestry Services (Mal Crombie, 0418 731 113)*
- *Ents Forestry (Andy Wright, 0427 920 288)*
- *PF Olsen Australia (Stewart Tutton, 0428 195 499)*
- *WA Plantation Resources*
- *Wespine Industries (Brad Barr, 0427 080 075)*
- *Western Forest Management (Glyn Yates, 0407 445 280)*

Plantation establishment contractors

- *Australian Forestry Services (Mal Crombie, 0418 731 113)*
- *Dezalis Machine Team (Brad Noonan, 0429 408 354)*
- *Stridem Pty Ltd (Mike Lloyd, 0427 800 911)*
- *Western Forest Management (Glyn Yates, 0407 445 280)*
- *Westside Equipment (Rob Ferguson, 0437 725 485)*

Farm Planning

- AgPro Management
- Agknowledge (Peter Cooke, 0417 953 957)
- Agrarian Management
- Agvise
- AgVivo
- BJW Agribusiness
- ConsultAg
- Farmanco
- Icon Agriculture
- Planfarm
- Primary Business Services
- Productive Ecology
- Synergy Consulting

Carbon farming project service providers

- *Carbon Farming Foundation*
- *Climate Friendly*
- *Carbon West*
- *Carbon Neutral*
- *FarmWoods Consulting (Peter Ritson)*
- *PF Olsen Australia*
- *Wespine Industries*

Customers

- *Albany Chip Terminal (Australian Bluegum Plantations)*
- *APEC*
- *Bunbury Fibre Exports*
- *Minorba*
- *Simcoa*
- *Timber Treaters Bridgetown*
- *WA Plantation Resources*
- *WA Timber Products*
- *Wesbeam*
- *Wespine*

Useful links

- [Government Carbon Regulator](#)

MAI 15 m3/ha/year
 Total Yield 405 m3 over rotation Sawlog Yield 271

Grower Establishes Pine Plantation on Owned Land

	Tree Age																																
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Grower Investment	-1,870	-70	-70	-70	-70	-70	-70	-70	-70	-70	-1,020	-70	-70	-70	-70	-70	-70	-70	-1,020	-70	-70	-70	-70	-70	-70	-70	-70	-370	0	0	0	0	0
Forest Product Return	-	-	-	-	-	-	-	-	-	-	772	-	-	-	-	-	-	-	4,172	-	-	-	-	-	-	-	-	17,632	-	-	-	-	-
Carbon Return	-	29	42	153	285	430	510	712	740	796	764	905	836	-	199	521	568	573	193	-	-	-	-	-	-	-	-	-	-	-	-	-	
Net	-1,870	-41	-28	83	215	360	440	642	670	726	516	835	766	-70	129	451	498	503	3,345	-70	-70	-70	-70	-70	-70	-70	17,262	0	0	0	0	0	
Total Costs	-5,960																																
Total Return	30,833	Net Present Value 6.5%																													5,440		
Net Return	24,873	IRR																													17.44%		

4,834.49
 2,417.24

Gross Revenue

	Tree Age																																
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Forest Products	-	-	-	-	-	-	-	-	-	-	4,680	-	-	-	-	-	-	-	7,989	-	-	-	-	-	-	-	-	29,520	-	-	-	-	-
Carbon	-	29	42	153	285	430	510	712	740	796	764	905	836	-	199	521	568	573	193	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total	-	29	42	153	285	430	510	712	740	796	5,444	905	836	-	199	521	568	573	8,183	-	-	-	-	-	-	-	29,520	-	-	-	-	-	

-\$3,396.17
 \$4,670.30
 \$5,440.44
 \$1,274.13

MAI 15 m3/ha/year
Total Yield 405 m3 over rotation Sawlog Yield 271

Grower Establishes Pine Plantation on Land Owned by Land Owner

Table with columns for Grower, Land Owner, and Tree Age (0-32). Rows include Forest Products Share, Carbon Share, Grower Investment, Grower Forest Product Return, Grower Carbon Return, Land Owner Investment, Land Owner Forest Product Return, Land Owner Carbon Return, Net Project, Net Grower, and Net Landowner. A blue shaded row for 'Grower Cash' is at the bottom of this section.

Summary table with columns Project, Grower, Landowner. Rows: Total Costs (-14,360, -5,960, -8,400), Total Return (30,833, 15,108, 15,725), Net Return (16,473, 9,148, 7,325), NPV 6.5% (1,616, 934, 4,507), IRR (9.0%, 9.0%, 9.1% - 0.00).

Undiscounted Cost Basis 42% 58%

Costs table with columns Project, Grower, Landowner, Total. Rows: Grower (-1,870, -70, -70, -70, -70, -70, -70, -70, -70, -70, -1,020, -70, -70, -70, -70, -70, -70, -70, -1,020, -70, -70, -70, -70, -70, -70, -70, -70, -370, 0, 0, 0), Landowner (-300, 0, 0, 0), Total (-2,170, -370, -370, -370, -370, -370, -370, -370, -370, -370, -1,320, -370, -370, -370, -370, -370, -370, -370, -1,320, -370, -370, -370, -370, -370, -370, -370, -370, -670, 0, 0, 0).

NPV Cost table with columns Project, Grower, Wespine. Values: -\$7,220.11, -\$3,396.17, -\$3,823.94; 0.47, 0.53.

Gross Revenues
Grower

Table with 28 columns of values 250 and a total of \$3,186.62.