

Copy Account Sale to:

RYLINGTON PARK

Reference :

S26327 001

Account :

70189414

Branch :

08 9721 4277

Please find enclosed the results of wool sold on your behalf. We thank you for your business and endeavour to remain your first choice in wool.

You will notice in your client account sale report that all test results are reported on the same line as the lot proceeds along with the totals and averages.

Nutrien Wool now give you the option to receive your Account Sale, Test & Weights and Sales Appraisals by email as well as a printed copy. Please take advantage of this fast service. If you would like your account emailed please contact the wool office on 1800 333037 or your Wool Area Manager.

Please feel free to contact your local wool office or your Wool Area Manager if you have any queries in respect to your account sale and again thank you for your business.

Nutrien Wool Team - WA

PTO...

Account Sale - Sale Results

Client : SHIRE OF BOYUP BROOK Brand : RYLINGTON/PARK Phone : 02 9765 1200 Fax : ABN: 95 583 688 034	Reference : S26327 001 Branch : BOYUP BROOK (COOP) 08 9721 4277 Account : 70189414	Sale : F30F Sale Date : 24/01/23 Proceeds Due: 3/02/23
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Lot Ref	Description	No of Bales	Net Wgt	Clean Wgt	Fibre Diameter					VM	SCH DRY	Staple						Position of Break			Greasy Price	Clean Price	Sale Proceeds	Buyer
					Mic	CV%	S.D	COM	CUR			Lgth	CV%	STR	SS25	Haut	CVH%	Tip	Mid	Base				
33	AAAM	9	1656	1220	19.5	21.1	4.1	98.8	59	.4	73.7	94	16	39	25	75	49.7	7	67	26	1157	1570	19159.92	EWE
34	AAAM	8	1491	1100	19.2	19.3	3.7	99.3	55	.4	73.8	100	16	34	18	74	56.8		86	14	1139	1544	16982.49	PMW
35	AAAM	5	929	709	17.8	19.8	3.5	99.5	58	.5	76.3	77	15	39	25	74	37.0	80	16	4	1660	2175	15421.40	TIA
36	AAAM	10	1889	1424	18.7	19.4	3.6	99.5	59	.7	75.4	103	15	25	15	78	53.1	58	39	3	1235	1638	23329.15	TEC
37	AAAM	7	1229	927	19.5	19.3	3.8	99.2	60	1.2	75.4	98	17	29	14	73	56.2	21	74	5	1145	1518	14072.05	PMW
38	AAAM	3	577	425	18.9	20.8	3.9	99.1	59	.3	73.6	93	17	20	11	67	56.8		64	36	1155	1568	6664.35	EWE
1009	MPCS	5	917	535	17.5	23.6	4.1	99.2	61	2.3	58.3	84	22	32	16	61	53.3	17	67	16	988	1693	9059.96	PMW
1010	MBLS	3	525	277	18.3	19.5	3.6	99.6	73	5.8	52.8	78	20	18	8	57	54.0	15	60	25	748	1418	3927.00	PMW
2012	AAAMLMS	4	667	486	18.2	19.3	3.5	99.6	51	1.0	72.9	57	17								1180	1619	7870.60	EWE
2013	AAAMLMS	2	376	267	17.8	19.0	3.4	99.6	49	1.1	71.0										1040	1465	3910.40	WCW
Totals and Averages		56	10256	7370	18.8	20.1	3.8	99.3	58	1.0	71.8	92	17	31	18	52	52.0	27	59	14				

SALE PROCEEDS	120397.32
GST (on all sold lots)	12039.75
SALE PROCEEDS INCLUDING GST	132437.07



Account Sale - Sale Results

Client : SHIRE OF BOYUP BROOK Brand : RYLINGTON/PARK Phone : 02 9765 1200 Fax : ABN: 95 583 688 034	Reference : S26327 001 Branch : BOYUP BROOK (COOP) 08 9721 4277 Account : 70189414	Sale : F30F Sale Date : 24/01/23 Proceeds Due: 3/02/23
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RECIPIENT CREATED TAX INVOICE

Lot/Bale	Description	Weight	Price	Amount	GST	Total
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The following wools were LOT BUILT

29	STNMPCS	152	401.00	609.52	60.95	670.47
30	MLKS	188	369.00	693.72	69.37	763.09
51	STNMCRT	179	351.00	628.29	62.83	691.12
53	STNMCRT	182	351.00	638.82	63.88	702.70
58	MLPCS	139	513.00	713.07	71.31	784.38
60	AAAMLMS	172	853.00	1467.16	146.72	1613.88
62	MLPCS	191	513.00	979.83	97.98	1077.81
63	STNMLCRT	191	361.00	689.51	68.95	758.46
64	STNMLCRT	193	361.00	696.73	69.67	766.40

LOT BUILDING PROCEEDS 7116.65 711.66 7828.31

TOTAL AMOUNT 7116.65 711.66 7828.31

Written Agreement

The recipient and the supplier declare that this agreement applies to supplies to which this tax invoice relates. The recipient can issue tax invoices in respect of these supplies. The supplier will not issue tax invoices in respect of these supplies. The supplier acknowledges that it is registered for GST and that it will notify the recipient if it ceases to be registered. The recipient acknowledges that it is registered for GST and that it will notify the supplier if it ceases to be registered for GST. Acceptance of this Recipient Created Tax Invoice (RCTI) constitutes acceptance of the terms of this written agreement.

Both parties to this supply agree that they are the parties to an RCTI agreement. The supplier agrees to notify the recipient if the supplier does not wish to accept the proposed agreement within 21 days of receiving this document. Terms used in this agreement, where relevant, have the same meaning as in *A New Tax System (Goods and Services Tax) Act 1999*.

The client is liable to remit the GST payable.

Account Sale - TAX INVOICE

Client : SHIRE OF BOYUP BROOK	Reference : S26327 001	Sale : F30F
Brand : RYLINGTON/PARK	Branch : BOYUP BROOK (COOP)	Sale Date : 24/01/23
Phone : 02 9765 1200 Fax :	08 9721 4277	Proceeds Due: 3/02/23
ABN: 95 583 688 034	Account : 70189414	

Proceeds							Charges			
Description	Bales	Bags	Weight	Amount	GST	Total	Description	Amount	GST	Total
Total Offered	65						WOOL LEVIES			
Total Sold Lots	56		10256	120397.32	12039.75	132437.07	Wool Levy	1912.71-		1912.71-
Total Sold Lot Built	9		1587	7116.65	711.66	7828.31	SELLING COSTS			
Unsold Wool in Store							Selling Charge	2842.32-	284.23-	3126.55-
Gross Proceeds				127513.97	12751.41	140265.38	PAID ON YOUR BEHALF			
							Test certificate charges	852.20-	85.25-	937.45-
							WARRANTY			
							Sheeps Back to Store	195.10-	19.51-	214.61-
							In Store Fire	506.23-	50.62-	556.85-
							TOTAL CHARGES	701.33-	70.13-	771.46-

							TOTAL CHARGES	6308.56-	439.61-	6748.17-

Account Sale Net Proceeds	\$121205.41	\$12311.80	\$133517.21
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Account Sale - Sale Statistics

Client : SHIRE OF BOYUP BROOK Brand : RYLINGTON/PARK Phone : 02 9765 1200 Fax : ABN: 95 583 688 034				Reference : S26327 001 Branch : BOYUP BROOK (COOP) 08 9721 4277 Account : 70189414				Sale : F30F Sale Date : 24/01/23 Proceeds Due: 3/02/23								
Clip	Bales	% of Clip	Greasy Weight	Net/Kg Bale	Greasy \$/Bale	Greasy Price	Clean Weight	Clean Price	Mic	VM	Yield	Len	Str	POB Mid	Haut	Clip
Fleece	42	65.6	7771	185	2276	1231	5805	1647	19.0	0.6	74.7	96	32	58	75	Fleece
Pieces	5	7.7	917	183	1811	988	535	1693	17.5	2.3	58.3	84	32	67	61	Pieces
Bellies	3	4.4	525	175	1309	748	277	1418	18.3	5.8	52.8	78	18	60	57	Bellies
Sub Total	50	77.8	9213	184	2172	1179	6617	1641	18.8	1.0	71.8	94	31	59	73	Sub Total
Lambs	6	8.8	1043	174	1963	1130	753	1565	18.1	1.0	72.2	37				Lambs
Lot Built	9	13.4	1587	176	790	448		0	0.0	0.0	0.0					Lot Built
This Sale	65		11843	182	1961	1077	7370	1634								This Sale

Clip Profile - Clean Kilograms and Average Clean Price

AWEX Mean Price Guide quoted in clean kilograms Fleece only.

Mic/MPG	Mic/MPG		Mic/MPG		Mic/MPG		Mic/MPG		Mic/MPG		Mic/MPG		Mic/MPG		Mic/MPG					
16	17		18		19/1640		20/1500		21/1445		22/1360		23		24		25		26	
	Kg	c/Kg	Kg	c/Kg	Kg	c/Kg	Kg	c/Kg	Kg	c/Kg	Kg	c/Kg	Kg	c/Kg	Kg	c/Kg	Kg	c/Kg	Kg	c/Kg
Fleece			709	2175	5096	1574														
Pieces	535	1693																		
Bellies			277	1418																
Others			753	1565																
Total/Avg	535	1693	1739	1790	5096	1574														

The logo features a stylized green sheep silhouette inside a blue circular frame.

FlockProfileReport

09 January 2023

Marc Deas

Rylington Park Management Cmmittee Inc.

1437 Cranbrook rd

Boyup Brook

BOYUP BROOK

WA

6244

Dear Marc Deas,

Attached is your genomic flock profile analysis.

The genomic based Flock Profile Test for Merinos was developed by a team of researchers from Sheep CRC, Animal Genetics and Breeding Unit and Sheep Genetics. More than ten years of investment in genomics research and intensive measurement of many thousands of sheep in the Information Nucleus and Resource flocks, has made this a reality for the sheep industry and a world first in livestock.

This report contains your individual flock results, guidelines on how to interpret those results and make use of the information to purchase better rams and accelerate genetic improvement.

Please let us know if you would like to discuss your results or receive assistance in making use of the information to drive the performance of your flock.

Yours sincerely,

Sheep Genetics team

info@sheepgenetics.org.au

02 8055 1818



FlockProfileReport

Name:	Marc Deas	Date:	17/08/2022
Year Drop:	2022	Mob Description:	FM0150 FLK-22-010110
Analysis:	Merino	Flock Code:	FM0150

Congratulations!

By undertaking DNA Flock Profiling, you have taken an important step towards improving your flock genetics and your farm business. The information in this report will enable you to make more precise and informed ram selections to bolster the traits that mean the most to your bottom line.

What is Flock Profiling?

Flock Profile estimates the genetic merit of a Merino drop. The Flock Profile Test delivers average genomic breeding values for key Merino production traits, which have been scaled to Australian Sheep Breeding Value (ASBV) level. This allows Merino breeders to track the genetic progress of their flock and compare with the MERINOSELECT database, resulting in better ram buying decisions.

IMPORTANT NOTICE

General

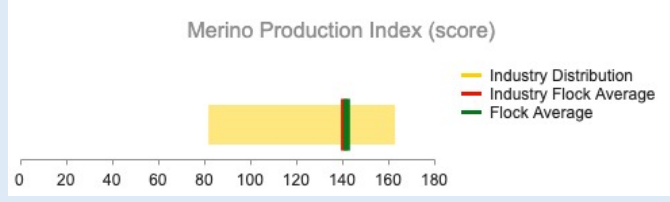
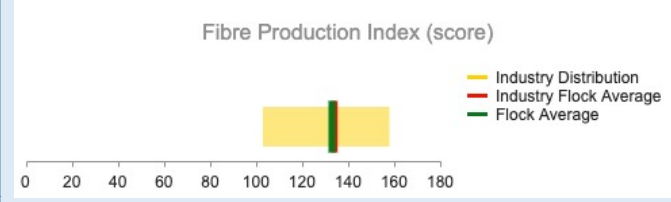
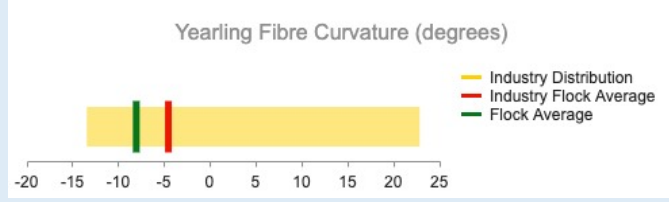
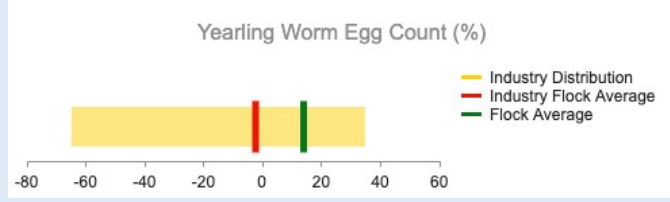
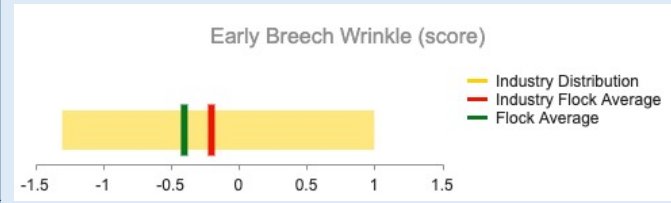
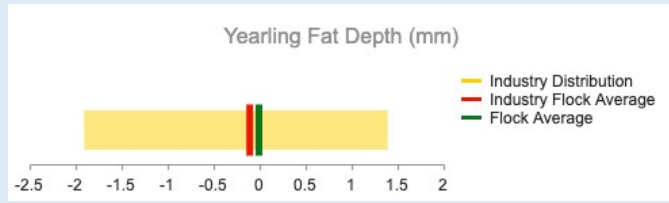
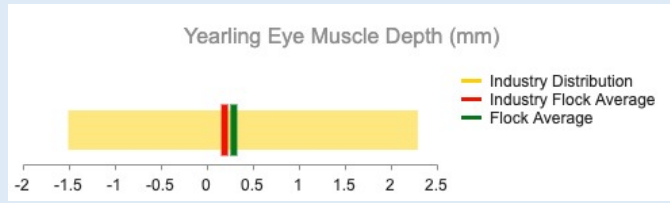
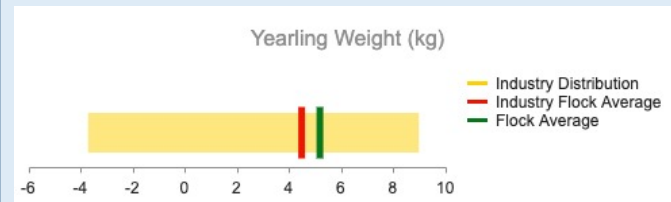
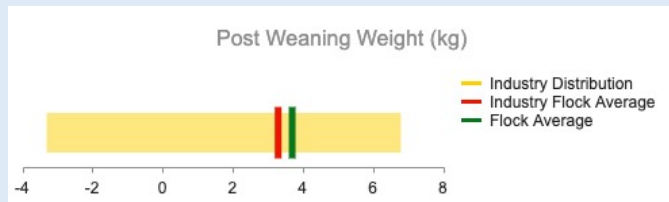
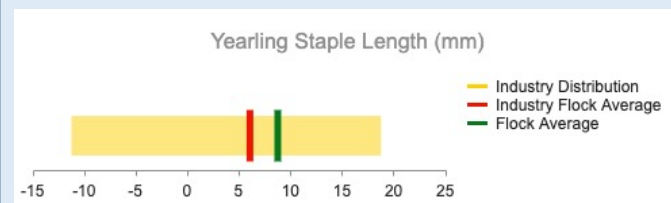
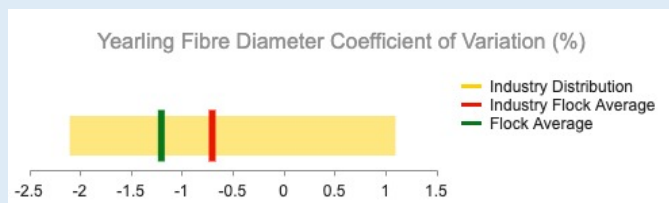
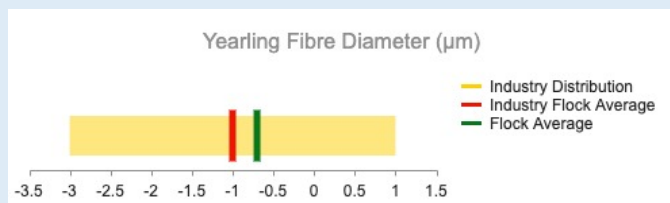
While Sheep Genetics, Meat & Livestock Australia Ltd (MLA) and AGBU have taken all reasonable care to ensure our methodologies are valid and results are accurate, you should be aware that genomic testing and methodologies have inherent inaccuracies which, in some cases, cause inaccuracies in the genomic results and our recommendations.

In addition, the samples and information used to prepare this report are obtained from various parties. Neither Sheep Genetics, MLA nor AGBU can or do verify this information and any inaccuracies in it will impact the accuracy of the results (e.g. genotypes assigned to the wrong animal can result in misleading results).

Please also be aware that the results and recommendations in this report do not take into account your specific business interests and circumstances. You should check these against your/the breeders records to verify that any suggested pedigree allocations are possible. You should also make any other relevant enquiries and take into account the inherent inaccuracies of genomic testing and methodologies before making decisions concerning your interests or otherwise relying on these reports in any way.

To the extent permitted by law, this report is provided as is, and Sheep Genetics, MLA and AGBU expressly exclude all rights, warranties and guarantees regarding the completeness or accuracy of the information in this report.

Your Flock Profile Results



Understanding the graph

The yellow box shows the range of ASBV values that exist in the MERINOSELECT database for each trait.

The red line shows the industry average value for flocks in the MERINOSELECT database.

The green line shows your own flock average results for each trait.

Your Flock Profile results are also provided in a table format below

ASBV	Description	Units	Flock Average	Flock Percentile	Industry Flock Average
YFD	Yearling Fibre Diameter	µm	-0.7	75	-1.0
YDCV	Yearling Fibre Diameter Coefficient of Variation	%	-1.2	25	-0.7
YSL	Yearling Staple Length	mm	8.8	30	6.1
YCFW	Yearling Clean Fleece Weight	%	15.7	45	14.9
PWT	Post Weaning Weight	kg	3.7	40	3.3
YWT	Yearling Weight	kg	5.2	40	4.5
YEMD	Yearling Eye Muscle Depth	mm	0.3	45	0.2
YFAT	Yearling Fat Depth	mm	0.0	45	-0.1
EBWR	Early Breech Wrinkle	score	-0.4	25	-0.2
YWEC	Yearling Worm Egg Count	%	14.1	90	-2.2
YCUR	Yearling Fibre Curvature	degrees	-8.0	25	-4.5
FP	Fibre Production Index	score	133.0	55	134.0
MP	Merino Production Index	score	142.0	45	141.0
DP	Dual Purpose Index	score	134.0	35	132.0

Understanding the table

The ASBV description, abbreviation and units are provided in the first three columns of the table. For further information about these traits please refer to the Learn More tab on www.ramselect.com.au.

The Flock Average column is your flock results for each trait and index.

The Flock Percentile column describes your flock's position in relation to all the flocks in the MERINOSELECT database. For example Flock Percentile 20 means that your flock is in the top 20% of the flocks. Flock Percentile 90 means that 90% of flocks in the database have a better value for that trait than your flock. Remember that your commercial flock is being compared to stud flocks and so you would not necessarily expect to be in the top ranges of the percentile table.

The Industry Average is the average of all flocks in the MERINOSELECT database.

What's an Australian Sheep Breed Value (ASBV)?

ASBVs are an estimate of an animal's breeding value based on pedigree, performance records and DNA information. ASBVs remove the variation caused by environmental and management effects and predict the genetic merit of an animal's progeny.

How the genetic merit of the progeny is expressed in your flock will be influenced by your management skills and the environmental conditions that the sheep are run in.

**For more information on ASBVs refer to the
Learn More tab at www.ramselect.com.au.**

Interpreting the results

Genetic gain in commercial sheep flocks is mostly driven by your ram buying decisions. This is because you select only a few high performing rams each year and they sire a large number of lambs. In comparison there is much less selection pressure on your ewes. Most of your ewes are retained to keep flock numbers and each ewe only produces 1-2 lambs each year.

Your Flock Profile results will reflect the average ASBV values of the ram team you used 3-6 years ago. It takes a few years for genes to flow through the flock. Remember that your oldest ewes will have been sired by rams in your team 6-7 years ago.

Next steps - Using the results to set a breeding objective and select new rams

The Flock Profile Test puts a line in the sand for your breeding program by revealing the current genetic basis of your flock. We recommend that you contact the Sheep Genetics team to discuss your results and develop an action plan.

The Flock Profile results can assist you to take the following steps:

1. Identify the traits you want to improve in your flock.
2. Use RamSelect to refine a breeding objective and exclude rams that will not make improvement in your flock.
3. Use RamSelect to search for rams that will improve ASBV values and productivity in your flock.
4. Record details of all past and future ram purchases in RamSelect.

An example of how to use Flock Profile and Ram Team Data to improve flock performance.

A producer Flock Profile Test revealed an average clean fleece weight of +5. Ram team records showed that the current ram team average was +7 for clean fleece weight.

Mating these rams and ewes will deliver progeny that are +6 for clean fleece weight.

Half genes from the rams	$7 \div 2 = 3.5$
Half genes from the ewes	$5 \div 2 = 2.5$
Progeny average	$3.5 + 2.5 = 6$

Increasing the team average of the rams will result in rapid improvement in the progeny.

The producer purchases new rams and the ram team average increases to +12 for clean fleece weight.

Mating these new rams with the existing ewes will deliver progeny that are +8.5 for clean fleece weight.

Half genes from the rams	$12 \div 2 = 6.0$
Half genes from the ewes	$5 \div 2 = 2.5$
Progeny average	$6.0 + 2.5 = 8.5$

RamSelect.com.au has important tools for storing Flock Profile and ram team information, setting breeding objectives and searching available sale rams to drive flock performance.

Accessing and reviewing your flock profile results

As well as receiving this report, you can access your Flock Profile Test results and this report at any time using your RamSelect user account which has been established free of charge. You will receive an email from RamSelect inviting you to log in using your email address and create a password for your account.

Note: If you already have a RamSelect account the results will be loaded into that account.

Your RamSelect user account will be maintained free of charge for 12 months as part of the package included with your Flock Profile Test.

At the end of the 12-month period, you will be invited to renew your user account with an annual payment of \$25 + GST. This will allow you to continue to store important genetic information on the RamSelect site.

**For assistance in using these ram selection tools
contact us through RamSelect.com.au**

RamSelect
.com.au

**Flock Profiling was developed by
Sheep CRC in collaboration with Sheep Genetics**

 **sheep GENETICS**



2023 PLAN

Rylington Park

Marc & Erlanda Deas

RMB 161

Boyup Brook WA 6244

Prepared By David Lane

Rotation Summary

	2021	2022	2023	2024
Paddock 01	Pasture (5.0) <i>Established mixed past</i>	Pasture (5.0) <i>Established mixed past</i>	Est Balansa Pasture	
Paddock 01				
Paddock 02	Pasture (10.0) <i>Established mixed past</i>	Pasture (10.0) <i>Established mixed past</i>	Est Balansa Pasture	
Paddock 04	Pasture (12.0) <i>Established mixed past</i>	Canola TT Hybrid (12) <i>Hyola Blazer TT</i>	Barley Malting (12.0) <i>Planet (RGT)</i>	
Paddock 06	Oats (18.0) <i>Bannister</i>	Canola RR (16.5) <i>45Y28RR</i>	Barley Malting (16.5) <i>Planet (RGT)</i>	
Paddock 6A	(1.5)	Pasture Hay (1.5) <i>BBAS Pasture Mix</i>	Pasture Hay (1.5) <i>BBAS Pasture Mix</i>	
Paddock 08	Pasture (30.0) <i>Established mixed past</i>	Pasture (26.0) <i>Established mixed past</i>	Est Balansa Pasture	
Paddock 10	Pasture (20.0) <i>Established mixed past</i>	Pasture (20.0) <i>Established mixed past</i>	Est Balansa Pasture	
Paddock 12	Pasture (18.0) <i>Established mixed past</i>	Pasture Re-seed (18) <i>BBFS Pasture Mix</i>	Est Balansa Pasture	
Paddock 15	Canola TT Hybrid (24) <i>Ignite SF TT</i>	Barley Malting (23.0) <i>Planet (RGT)</i>	Canola RR (20.0) <i>4520P</i>	
Paddock 15	Pasture Hay (9.0) <i>BBFS Pasture Mix</i>			
Paddock 15A		Pasture Hay (10.0) <i>BBAS Pasture Mix</i>	Pasture Hay (15.0) <i>BBAS Pasture Mix</i>	
Paddock 20	Pasture (26.0) <i>Established mixed past</i>	Pasture (26.0) <i>Established mixed past</i>	Est Balansa Pasture	
Paddock 21	Pasture (13.0) <i>Established mixed past</i>	Pasture (13.0) <i>Established mixed past</i>	Canola TT Hybrid (13) <i>Trifecta</i>	
Paddock 22	Oats (14.0) <i>Bannister</i>	Canola RR (14.0) <i>45Y28RR</i>	Barley Malting (14.0) <i>Planet (RGT)</i>	
Paddock 33	Barley Malting (22.0) <i>Planet RGT</i>	Canola TT Hybrid (22) <i>Trifecta</i>	Sown Ryegrass (22.0) <i>BBFS Pasture Mix</i>	
Ram	Pasture (4.0) <i>Established mixed past</i>	Raphno Kale (5.0) <i>Est Raphno</i>	Sown Ryegrass (5.0) <i>BBFS Pasture Mix</i>	
Paddock 35	Pasture (33.0) <i>Established mixed past</i>	Pasture (33.0) <i>Established mixed past</i>	Est Balansa Pasture	
Feedlot	Pasture (10.0) <i>Established mixed past</i>	Pasture (10.0) <i>Established mixed past</i>	Est Balansa Pasture	
Paddock 38	Canola TT Hybrid (24) <i>Ignite SF TT</i>	Barley Malting (24.0) <i>Planet (RGT)</i>	Canola TT Hybrid (24) <i>Trifecta</i>	(24.0)
Paddock 39	Pasture (14.0) <i>Established mixed past</i>	Pasture (10.0) <i>Established mixed past</i>	Sown Ryegrass (10.0) <i>BBFS Pasture Mix</i>	

	2021	2022	2023	2024
Holding Paddock	Pasture (3.0) <i>Established mixed past</i>	Pasture (3.0) <i>Established mixed past</i>	Est Balansa Pasture	
Paddock 41	Pasture Re-seed (23) <i>BBFS Pasture Mix</i>	Pasture (23.0) <i>Established mixed past</i>	Est Balansa Pasture	
Creek 48	(15.0)	Pasture (5.0) <i>Established mixed past</i>	Est Balansa Pasture	
Creek Flats Nth	Pasture (10.0) <i>Established mixed past</i>	Pasture (15.0) <i>Established mixed past</i>	Est Balansa Pasture	
Paddock 44	Pasture (35.0) <i>Established mixed past</i>	Pasture (29.0) <i>Established mixed past</i>	Canola CL (35.0) <i>45Y95CL</i>	
Paddock 45	Pasture (21.0) <i>Established mixed past</i>	Pasture (18.0) <i>Established mixed past</i>	Est Balansa Pasture	
Paddock 46	Pasture (19.0) <i>Established mixed past</i>	Pasture (19.0) <i>Established mixed past</i>	Est Balansa Pasture	
Paddock 48	Pasture (24.0) <i>Established mixed past</i>	Pasture (22.0) <i>Established mixed past</i>	Est Balansa Pasture	
Paddock 50	Pasture (18.0) <i>Established mixed past</i>	Pasture (19.0) <i>Established mixed past</i>	Est Balansa Pasture	
Paddock 51	Barley Malting (22.0) <i>Planet RGT</i>	Canola TT Hybrid (18) <i>Hyola Blazer TT</i>	Barley Malting (20.0) <i>Planet (RGT)</i>	
Paddock 51A		Pasture Hay (4.0) <i>BBAS Pasture Mix</i>	Pasture Hay (4.0) <i>BBAS Pasture Mix</i>	
Creek Flats Sth	Pasture (5.0) <i>Established mixed past</i>	Pasture (12.8) <i>Established mixed past</i>	Est Balansa Pasture	

Area Summary

		2021	2022	2023
Broadleaf Crops	Canola CL			35.0
	Canola RR		30.5	20.0
	Canola TT Hybrid	48.0	52.0	37.0
	Total:	48.0	82.5	92.0
Cereal	Barley Maltina	44.0	47.0	62.5
	Oats	32.0		
	Total:	76.0	47.0	62.5
Other	Pasture Re-seed	23.0	18.0	
	Total:	23.0	18.0	
Pasture	Pasture	330.0	318.8	
	Pasture Hay	9.0	15.5	20.5
	Total:	339.0	334.3	20.5
Raphno Kale	Raphno Kale		5.0	
	Total:		5.0	
Sown Pastures	Sown Rvegrass			37.0
	Total:			37.0
Volunteer Pasture	Est Balansa Pasture			290.8
	Total:			290.8
Total:		486.0	486.8	502.8

Seed Summary

			\$
Barley Malting	Planet (RGT)	7.500 t	\$1,875
Barley Planet	Planet	1.100 t	\$660
Bennett Wheat	Bennett Wheat	0.750 t	\$1,200
Canola CL	45Y95CL	0.088 t	\$2,713
Canola RR	4520P	0.050 t	\$2,650
Canola TT Hybrid	Trifecta	0.093 t	\$2,868
Pasture Hay	BBAS Pasture Mix	0.513 t	\$2,921
Sown Ryegrass	BBFS Pasture Mix	0.925 t	\$5,273
	TOTAL:		\$20,159

Fertiliser Summary

	<u>Qty</u>	<u>Cost</u>
Boranup Lime	202.50 t	\$3,179.25
Flexi N	64.18 t	\$72,745.51
Gran N S	5.55 t	\$3,696.30
Gran NS	14.50 t	\$9,657.00
Macro Pro Boost 80 AgMn 20	29.68 t	\$42,204.96
NKS 21	13.80 t	\$15,951.90
Super Phos Ex 41Se .2	38.70 t	\$31,347.00
Urea	18.54 t	\$22,730.04
Urea 60 MOP 40	15.63 t	\$21,178.65
TOTAL:	403.08	\$222,690.61

Chemical Summary

	Qty	\$
Alpha Cypermethrin 100EC	3.700 L	\$27
Alpha Forte (Alpha Cypermethrin 250g/L SC)	9.250 L	\$166
AMS (Sulphate of Ammonia)	301.125 Kg	\$301
Atrazine 900g/kg	101.750 kg	\$1,323
Bifenthrin (Bifenthrin 300g/L) 20L	8.575 L	\$300
Boxer Gold (Prosulfocarb 800g/L + Metolachlor 120g/L)	61.000 L	\$650
Brodal Options (Diflufenican 500g/L)	1.000 L	\$45
Chlorpyrifos 500g/L EC	92.500 L	\$1,045
Dimethoate 400g/L	18.500 L	\$292
Diuron 900g/kg	21.875 kg	\$354
Ecopar (Pyraflufen 20g/L)	144.250 L	\$6,454
Ezyflow Copper	23.250 L	\$395
Ezyflow Mang	31.250 L	\$313
Ezyflow Zinc	18.750 L	\$225
Ezyflow Zinc/Man	15.250 L	\$183
Flight (Picolinafen 35g/L + MCPA LVE 350g/L + Bromoxynil 210g/L)	45.000 L	\$1,373
Gaicho (Imidacloprid 600g/L)	11.250 L	\$506
Glyphosate 450g/L	370.000 L	\$3,978
Goal (Oxyfluorfen 240g/L)	15.450 L	\$224
Hasten	17.156 L	\$116
Intake (Flutriafol 500g/L)	30.900 L	\$711
Intervix (Imazamoc 33g/L + Imazapyr 15g/L)	17.500 L	\$515
Jaguar (Bromoxynil 250g/L + Diflufenican 25g/L)	12.000 L	\$195
Lemat (Omethoate 290g/L)	34.620 L	\$997
LI 700	111.600 L	\$686
Mateno (400g/L Aclonifen 100g Pyroxasulfone 66g/LDiflufenican)	22.875 L	\$1,414
Maxentis (Azoxystrobin 133g/L Prothioconazole 100g/L)	49.500 L	\$2,336
MCPA 750 - Agritone (MCPA Amine 750g/L)	115.400 L	\$1,437
Meta	184.000 Kg	\$1,104
Metarex	184.000 Kg	\$1,895
Paraquat (Paraquat 250g/L)	103.200 L	\$836
Priority (Florasulam 200g/L)	1.563 L	\$341
Propyzamide 900g/kg	36.000 kg	\$2,520
Prosaro SC (Prothioconazole 210g/L + Tebuconazole 210g/L)	60.150 L	\$4,752
Prosulfocarb	60.000 L	\$735
Sakura (Pyroxasulfone 850g/L)	2.000 kg	\$668
Select (Clethodim 240g/L)	63.500 L	\$1,207
Simazine 900g/kg	129.000 kg	\$1,891
Sprayseed (Paraquat 135g/L + Diquat 115g/L)	154.500 L	\$1,661
Systiva (Fluxapyroxad 333g/L)	11.250 L	\$2,543
Targa (Quizalofop 99.5g/L)	7.200 L	\$86
Terrad"or	0.610 kg	\$199
Tilt (Propiconazole 250g/L)	15.625 L	\$213
Trifluralin (480g/L)	248.000 L	\$2,430
Trojan (Gamma-cylohalothrin 150g/L)	3.816 L	\$546
Uptake	159.375 L	\$1,219
WeedMaster DST (470g/L)	330.000 L	\$3,696

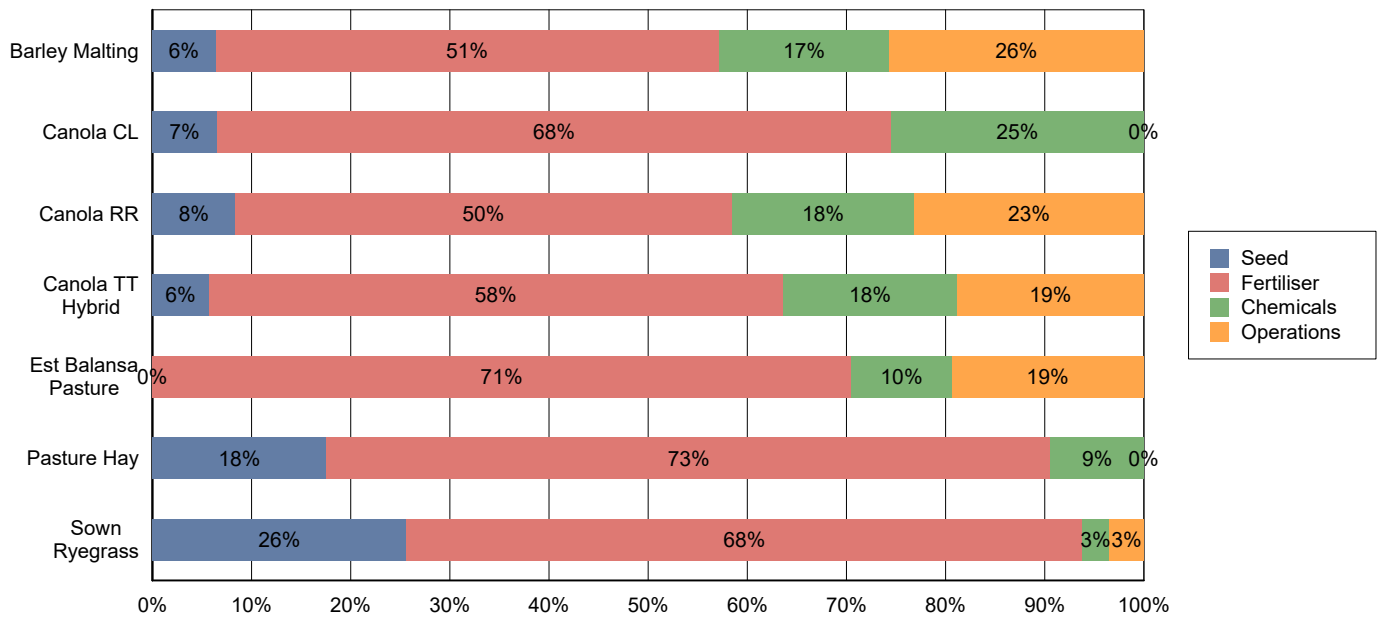
TOTAL:**\$55,100**

Operations Summary

	<u>ha</u>	<u>Ave. \$/ha</u>	<u>\$</u>
Boomspray (10 Times)	20.0	\$120.00	\$2,400
Boomspray (4 times)	258.0	\$48.00	\$12,384
Boomspray (5 times)	72.5	\$42.86	\$4,350
Boomspray (6 Times)	37.0	\$12.00	\$444
Boomspray (9 Times)		\$0.00	
Boranup Lime Cartage	119.5	\$21.00	\$3,227
Cartage (Fertiliser)	387.5	\$19.36	\$8,525
Cartage (Grain)	119.5	\$21.88	\$2,988
Harvest - Contract	119.5	\$70.00	\$9,560
Insurance (crop)	119.5	\$8.75	\$1,195
Seeding - Contract	119.5	\$39.38	\$5,378
Soil Tests	387.5	\$4.40	\$1,938
Spreading	268.0	\$8.82	\$2,680
Spreading (3 times)	57.0	\$22.50	\$1,710
Spreading (4 times)	62.5	\$40.00	\$2,500
	2,147.5	\$24.25	\$59,277

Cost by Crop

	ha	Seed+Treat	Fert	Chems	Operations	Total
Barley Malting	62.5	\$4,924	\$38,725	\$13,112	\$19,625	\$76,385
Canola CL	35.0	\$2,713	\$28,107	\$10,530		\$41,350
Canola RR	20.0	\$2,650	\$15,747	\$5,802	\$7,280	\$31,479
Canola TT Hybrid	37.0	\$2,868	\$29,169	\$8,839	\$9,472	\$50,348
Est Balansa Pasture	290.8		\$79,834	\$11,449	\$21,930	\$113,213
Pasture Hay	20.5	\$2,921	\$12,163	\$1,560		\$16,644
Sown Ryegrass	37.0	\$7,133	\$18,945	\$761	\$970	\$27,808
	502.8	\$23,208	\$222,691	\$52,051	\$59,277	\$357,227



Gross Margin Summary by Crop

Barley Malting (63 ha)			Break-Even	\$250		\$290		\$330		
t/ha	t		\$/t	t/ha	GM \$	GM \$/ha	GM \$	GM \$/ha	GM \$	GM \$/ha
Pess.	4.0	250	\$306	4.9	-\$13,885	-\$222.17	-\$3,885	-\$62.17	\$6,115	\$97.83
Exp.	5.4	336	\$227		\$7,802	\$124.83	\$21,272	\$340.35	\$34,742	\$555.87
Opt.	6.4	398	\$192		\$23,427	\$374.83	\$39,397	\$630.35	\$55,367	\$885.87

Canola CL (35 ha)			Break-Even	\$750		\$850		\$950		
t/ha	t		\$/t	t/ha	GM \$	GM \$/ha	GM \$	GM \$/ha	GM \$	GM \$/ha
Pess.	2.2	77	\$537	1.6	\$16,400	\$468.59	\$24,100	\$688.59	\$31,800	\$908.59
Exp.	2.8	98	\$422		\$32,150	\$918.59	\$41,950	\$1,198.59	\$51,750	\$1,478.59
Opt.	3.2	112	\$369		\$42,650	\$1,218.59	\$53,850	\$1,538.59	\$65,050	\$1,858.59

Canola RR (20 ha)			Break-Even	\$750		\$850		\$950		
t/ha	t		\$/t	t/ha	GM \$	GM \$/ha	GM \$	GM \$/ha	GM \$	GM \$/ha
Pess.	2.3	46	\$684	2.1	\$3,021	\$151.07	\$7,621	\$381.07	\$12,221	\$611.07
Exp.	2.7	54	\$583		\$9,021	\$451.07	\$14,421	\$721.07	\$19,821	\$991.07
Opt.	3.4	68	\$463		\$19,521	\$976.07	\$26,321	\$1,316.07	\$33,121	\$1,656.07

Canola TT Hybrid (37 ha)			Break-Even	\$750		\$850		\$950		
t/ha	t		\$/t	t/ha	GM \$	GM \$/ha	GM \$	GM \$/ha	GM \$	GM \$/ha
Pess.	2.2	81	\$619	1.8	\$10,702	\$289.25	\$18,842	\$509.25	\$26,982	\$729.25
Exp.	2.8	104	\$486		\$27,352	\$739.25	\$37,712	\$1,019.25	\$48,072	\$1,299.25
Opt.	3.2	118	\$425		\$38,452	\$1,039.25	\$50,292	\$1,359.25	\$62,132	\$1,679.25

Est Balansa Pasture (291 ha)			Break-Even	\$41		\$49		\$58		
t/ha	t		\$/t	t/ha	GM \$	GM \$/ha	GM \$	GM \$/ha	GM \$	GM \$/ha
Pess.	8.2	2,395	\$47	9.5	\$15,787	\$54.29	\$41,587	\$143.01	\$67,387	\$231.73
Exp.	9.1	2,634	\$43		\$28,687	\$98.65	\$57,067	\$196.24	\$85,447	\$293.83
Opt.	9.9	2,874	\$39		\$41,587	\$143.01	\$72,547	\$249.47	\$103,507	\$355.94

Pasture Hay (21 ha)			Break-Even	\$150		\$170		\$200		
t/ha	t		\$/t	t/ha	GM \$	GM \$/ha	GM \$	GM \$/ha	GM \$	GM \$/ha
Pess.	8.0	164	\$101	5.4	\$7,956	\$388.09	\$11,236	\$548.09	\$16,156	\$788.09
Exp.	9.0	185	\$90		\$11,031	\$538.09	\$14,721	\$718.09	\$20,256	\$988.09
Opt.	10.0	205	\$81		\$14,106	\$688.09	\$18,206	\$888.09	\$24,356	\$1,188.09

Sown Ryegrass (37 ha)			Break-Even	\$80		\$90		\$100		
t/ha	t		\$/t	t/ha	GM \$	GM \$/ha	GM \$	GM \$/ha	GM \$	GM \$/ha
Pess.	10.0	370	\$75	9.4	\$1,792	\$48.42	\$5,492	\$148.42	\$9,192	\$248.42
Exp.	11.0	407	\$68		\$4,752	\$128.42	\$8,822	\$238.42	\$12,892	\$348.42
Opt.	12.0	444	\$63		\$7,712	\$208.42	\$12,152	\$328.42	\$16,592	\$448.42

Paddock 04

12.0 ha

2021	2022	2023
Pasture	Canola TT Hybrid	Barley Malting

Paddock 04

Crop / Variety	ha	Apply	Qty.	\$	\$/ha
Barley Malting (Planet (RGT))	12.0	120.00 kg/ha	1.44 t	\$360	\$30.00
Systiva (Fluxapyroxad 333g/L)		0.15L/100kg Seed	2.16 L	\$488	\$40.68
Gaucho (Imidacloprid 600g/L)		0.15L/100kg Seed	2.16 L	\$97	\$8.10
<i>Seeding Total:</i>				\$945	\$78.78

Fertilisers	ha	Apply	Qty.	\$	\$/ha	
Boranup Lime	12.0	1,000.00 kg/ha	Pre Plant Spread	12.00 t	\$188	\$15.70
Gran NS	12.0	100.00 kg/ha	Pre Plant Spread	1.20 t	\$799	\$66.60
Macro Pro Boost 80 AgMn 20	12.0	140.00 kg/ha	At sowing	1.68 t	\$2,389	\$199.08
Urea 60 MOP 40	12.0	120.00 kg/ha	3-4 leaf stage	1.44 t	\$1,951	\$162.60
Urea	12.0	120.00 kg/ha	Early tillering	1.44 t	\$1,765	\$147.12
Flexi N	12.0	30.00l/ha	First Node	0.36 kL	\$342	\$28.50

kg/ha : 123.66N : 21.17P : 30.48K : 32.85S : 0.14Cu : 0.28Zn

Fertiliser Total: **\$7,435** **619.60**

With Last Fungicide

Chemicals	ha	Apply	Qty.	\$	\$/ha
Mix 1 H ₂ O @ 75.0 L/ha (900L)	12.0		Fertiliser Dressing		
Intake (Flutriafol 500g/L)		0.20L/ha	2.40 L	\$55	\$4.60
Mix 2 H ₂ O @ 75.0 L/ha (900L)	12.0		Knockdown		
Goal (Oxyfluorfen 240g/L)		0.10L/ha	1.20 L	\$17	\$1.45
Alpha Forte (Alpha Cypermethrin 250g/L SC)		0.05L/ha	0.60 L	\$11	\$0.90
Dimethoate 400g/L		0.10L/ha	1.20 L	\$19	\$1.58
Glyphosate 450g/L		2.00L/ha	24.00 L	\$258	\$21.50
AMS (Sulphate of Ammonia)		@ 1.00%	9.00 Kg	\$9	\$0.75
LI 700		@ 0.20%	1.80 L	\$11	\$0.92
Mix 3 H ₂ O @ 75.0 L/ha (900L)	12.0		At sowing		
Diuron 900g/kg		0.35kg/ha	4.20 kg	\$68	\$5.67
Trifluralin (480g/L)		2.50L/ha	30.00 L	\$294	\$24.50
Chlorpyrifos 500g/L EC		0.50L/ha	6.00 L	\$68	\$5.65
Sprayseed (Paraquat 135g/L + Diquat 115g/L)		1.00L/ha	12.00 L	\$129	\$10.75
AMS (Sulphate of Ammonia)		@ 1.00%	9.00 Kg	\$9	\$0.75
LI 700		@ 0.20%	1.80 L	\$11	\$0.92
Mix 4 H ₂ O @ 75.0 L/ha (900L)	12.0		2-4 leaf stage Target: Early Broad Leaf		
If Needed - Crop Inspection In Season To Determine					
Ezyflow Zinc		0.30L/ha	3.60 L	\$43	\$3.60
Jaguar (Bromoxynil 250g/L + Diflufenican 25g/L)		1.00L/ha	12.00 L	\$195	\$16.25
Mix 5 H ₂ O @ 75.0 L/ha (900L)	12.0		Early tillering Target: Broad Leaf		
Ezyflow Mang		0.50L/ha	6.00 L	\$60	\$5.00
Priority (Florasulam 200g/L)		0.03L/ha	0.30 L	\$65	\$5.45
Flight (Picolinafen 35g/L + MCPA LVE 350g/L + Bromoxynil 210g/L)		0.72L/ha	8.64 L	\$264	\$21.96
Tilt (Propiconazole 250g/L)		0.25L/ha	3.00 L	\$41	\$3.40

Trojan (Gamma-cyhalothrin 150g/L)	0.01 L/ha		0.14 L	\$21	\$1.72
Mix 6 H ₂ O @ 75.0 L/ha (900L)	12.0	First Node			
Ezyflow Copper	0.25L/ha		3.00 L	\$51	\$4.25
Prosaro SC (Prothioconazole 210g/L + Tebuconazole 210g/L)	0.30L/ha		3.60 L	\$284	\$23.70

Chemical Total: \$1,983 165.27

Operations

			\$	\$/ha
Soil Tests	12.0 ha @ \$5.00/ha		\$60	\$5.00
Boranup Lime Cartage	12.0 ha @ \$27.00/ha		\$324	\$27.00
Cartage (Fertiliser)	12.0 ha @ \$22.00/ha		\$264	\$22.00
Spreading (4 times)	12.0 ha @ \$40.00/ha		\$480	\$40.00
Boomspray (5 times)	12.0 ha @ \$60.00/ha		\$720	\$60.00
Seeding - Contract	12.0 ha @ \$45.00/ha		\$540	\$45.00
Harvest - Contract	12.0 ha @ \$80.00/ha		\$960	\$80.00
Insurance (crop)	12.0 ha @ \$10.00/ha		\$120	\$10.00
Cartage (Grain)	12.0 ha @ \$25.00/ha		\$300	\$25.00

Operations Total: \$3,768 314.00

Total Costs: \$14,132 1,177.65

Barley Malting (12.0 ha)			250.00		290.00		330.00		
			4.71		4.06		3.57		
	t/ha	t	Break-Even \$/t	GM \$	GM \$/ha	GM \$	GM \$/ha	GM \$	GM \$/ha
Pess.	4.00	48.00	294.41	\$-2,132	\$-177.65	\$-212	\$-17.65	\$1,708	\$142.35
Exp.	5.50	66.00	214.12	\$2,368	\$197.35	\$5,008	\$417.35	\$7,648	\$637.35
Opt.	6.50	78.00	181.18	\$5,368	\$447.35	\$8,488	\$707.35	\$11,608	\$967.35

Paddock 06

16.5 ha

2021	2022	2023
Oats	Canola RR	Barley Malting

Paddock 06

Crop / Variety	ha	Apply	Qty.	\$	\$/ha
Barley Malting (Planet (RGT))	16.5	120.00 kg/ha	1.98 t	\$495	\$30.00
Systiva (Fluxapyroxad 333g/L)		0.15L Seed	2.97 L	\$671	\$40.68
Gaucho (Imidacloprid 600g/L)		0.15L Seed	2.97 L	\$134	\$8.10
<i>Seeding Total:</i>				\$1,300	\$78.78

Fertilisers	ha	Apply	Qty.	\$	\$/ha	
Boranup Lime	16.5	1,000.00 kg/ha	Pre Plant Spread	16.50 t	\$259	\$15.70
Gran NS	16.5	100.00 kg/ha	Pre Plant Spread	1.65 t	\$1,099	\$66.60
Macro Pro Boost 80 AgMn 20	16.5	140.00 kg/ha	At sowing	2.31 t	\$3,285	\$199.08
Urea 60 MOP 40	16.5	120.00 kg/ha	3-4 leaf stage	1.98 t	\$2,683	\$162.60
Urea	16.5	120.00 kg/ha	Early tillering	1.98 t	\$2,427	\$147.12
Flexi N	16.5	30.00 l/ha	First Node	0.50 kL	\$470	\$28.50
kg/ha : 123.66N : 21.17P : 30.48K : 32.85S : 0.14Cu : 0.28Zn						
<i>Fertiliser Total:</i>				\$10,223	619.60	

With Last Fungicide

Chemicals	ha	Apply	Qty.	\$	\$/ha
Mix 1 H ₂ O @ 75.0 L/ha (1,238L)	16.5		Fertiliser Dressing		
Intake (Flutriafol 500g/L)		0.20L/ha	3.30 L	\$76	\$4.60
Mix 2 H ₂ O @ 75.0 L/ha (1,238L)	16.5		Knockdown		
Terrad [®] or		0.02 kg/ha	0.33 kg	\$108	\$6.52
Alpha Forte (Alpha Cypermethrin 250g/L SC)		0.05L/ha	0.83 L	\$15	\$0.90
Dimethoate 400g/L		0.10L/ha	1.65 L	\$26	\$1.58
Glyphosate 450g/L		2.00L/ha	33.00 L	\$355	\$21.50
AMS (Sulphate of Ammonia)		@ 1.00%	12.38 Kg	\$12	\$0.75
LI 700		@ 0.20%	2.48 L	\$15	\$0.92
Hasten		@ 0.75%	9.28 L	\$63	\$3.80
Mix 3 H ₂ O @ 75.0 L/ha (1,238L)	16.5		At sowing		
Diuron 900g/kg		0.35 kg/ha	5.78 kg	\$94	\$5.67
Trifluralin (480g/L)		2.00L/ha	33.00 L	\$323	\$19.60
Boxer Gold (Prosulfocarb 800g/L + Metolachlor 120g/L)		2.00L/ha	33.00 L	\$351	\$21.30
Chlorpyrifos 500g/L EC		0.50L/ha	8.25 L	\$93	\$5.65
Sprayseed (Paraquat 135g/L + Diquat 115g/L)		1.00L/ha	16.50 L	\$177	\$10.75
AMS (Sulphate of Ammonia)		@ 1.00%	12.38 Kg	\$12	\$0.75
LI 700		@ 0.20%	2.48 L	\$15	\$0.92
Mix 4 H ₂ O @ 75.0 L/ha (1,238L)	16.5		2-3 Leaf Stage Target: Early Broad Leaf		
Ezyflow Zinc		0.30L/ha	4.95 L	\$59	\$3.60
Mateno (400g/L Aclonifen 100g Pyroxasulfone 66g/L Diflufenican)		0.75L/ha	12.38 L	\$765	\$46.35
Mix 5 H ₂ O @ 75.0 L/ha (1,238L)	16.5		Early tillering Target: Broad Leaf		
Ezyflow Mang		0.50L/ha	8.25 L	\$83	\$5.00
Priority (Florasulam 200g/L)		0.03L/ha	0.41 L	\$90	\$5.45
Flight (Picolinafen 35g/L + MCPA LVE 350g/L + Bromoxynil 210g/L)		0.72L/ha	11.88 L	\$362	\$21.96

Tilt (Propiconazole 250g/L)	0.25L/ha		4.13 L	\$56	\$3.40
Trojan (Gamma-cylohalothrin 150g/L)	0.01L/ha		0.20 L	\$28	\$1.72
Mix 6 H ₂ O @ 75.0 L/ha (1,238L)	16.5	First Node			
Ezyflow Copper	0.25L/ha		4.13 L	\$70	\$4.25
Prosaro SC (Prothioconazole 210g/L + Tebuconazole 210g/L)	0.30L/ha		4.95 L	\$391	\$23.70

Chemical Total: \$3,640 220.64

Operations

			\$	\$/ha
Soil Tests	16.5 ha @ \$5.00/ha		\$83	\$5.00
Boranup Lime Cartage	16.5 ha @ \$27.00/ha		\$446	\$27.00
Cartage (Fertiliser)	16.5 ha @ \$22.00/ha		\$363	\$22.00
Spreading (4 times)	16.5 ha @ \$40.00/ha		\$660	\$40.00
Boomspray (5 times)	16.5 ha @ \$60.00/ha		\$990	\$60.00
Seeding - Contract	16.5 ha @ \$45.00/ha		\$743	\$45.00
Harvest - Contract	16.5 ha @ \$80.00/ha		\$1,320	\$80.00
Insurance (crop)	16.5 ha @ \$10.00/ha		\$165	\$10.00
Cartage (Grain)	16.5 ha @ \$25.00/ha		\$413	\$25.00

Operations Total: \$5,181 314.00

Total Costs: \$20,345 1,233.02

Barley Malting (16.5 ha)			Break-Even \$/t	250.00 t/ha 4.93		290.00 4.25		330.00 3.74	
				GM \$	GM \$/ha	GM \$	GM \$/ha	GM \$	GM \$/ha
Pess.	4.00	66.00	308.25	\$-3,845	\$-233.02	\$-1,205	\$-73.02	\$1,435	\$86.98
Exp.	5.50	90.75	224.18	\$2,343	\$141.98	\$5,973	\$361.98	\$9,603	\$581.98
Opt.	6.50	107.25	189.69	\$6,468	\$391.98	\$10,758	\$651.98	\$15,048	\$911.98

Paddock 22

14.0 ha

2021	2022	2023
Oats	Canola RR	Barley Malting

Paddock 22

Crop / Variety	ha	Apply	Qty.	\$	\$/ha
Barley Malting (Planet (RGT))	14.0	120.00 kg/ha	1.68 t	\$420	\$30.00
Systiva (Fluxapyroxad 333g/L)		0.15L Seed	2.52 L	\$570	\$40.68
Gaucho (Imidacloprid 600g/L)		0.15L Seed	2.52 L	\$113	\$8.10
<i>Seeding Total:</i>				\$1,103	\$78.78

Fertilisers	ha	Apply	Qty.	\$	\$/ha	
Boranup Lime	14.0	1,000.00 kg/ha	Pre Plant Spread	14.00 t	\$220	\$15.70
Gran NS	14.0	100.00 kg/ha	Pre Plant Spread	1.40 t	\$932	\$66.60
Macro Pro Boost 80 AgMn 20	14.0	140.00 kg/ha	At sowing	1.96 t	\$2,787	\$199.08
Urea 60 MOP 40	14.0	120.00 kg/ha	3-4 leaf stage	1.68 t	\$2,276	\$162.60
Urea	14.0	120.00 kg/ha	Early tillering	1.68 t	\$2,060	\$147.12
Flexi N	14.0	30.00l/ha	First Node	0.42 kL	\$399	\$28.50
kg/ha : 123.66N : 21.17P : 30.48K : 32.85S : 0.14Cu : 0.28Zn						
<i>Fertiliser Total:</i>				\$8,674	619.60	

With Last Fungicide

Chemicals	ha	Apply	Qty.	\$	\$/ha
Mix 1 H ₂ O @ 75.0 L/ha (1,050L)	14.0		Fertiliser Dressing		
Intake (Flutriafol 500g/L)		0.20L/ha	2.80 L	\$64	\$4.60
Mix 2 H ₂ O @ 75.0 L/ha (1,050L)	14.0		Knockdown		
Terrad [®] or		0.02 kg/ha	0.28 kg	\$91	\$6.52
Alpha Forte (Alpha Cypermethrin 250g/L SC)		0.05L/ha	0.70 L	\$13	\$0.90
Dimethoate 400g/L		0.10L/ha	1.40 L	\$22	\$1.58
Glyphosate 450g/L		2.00L/ha	28.00 L	\$301	\$21.50
AMS (Sulphate of Ammonia)		@ 1.00%	10.50 Kg	\$11	\$0.75
LI 700		@ 0.20%	2.10 L	\$13	\$0.92
Hasten		@ 0.75%	7.88 L	\$53	\$3.80
Mix 3 H ₂ O @ 75.0 L/ha (1,050L)	14.0		At sowing		
Diuron 900g/kg		0.35 kg/ha	4.90 kg	\$79	\$5.67
Trifluralin (480g/L)		2.50L/ha	35.00 L	\$343	\$24.50
Boxer Gold (Prosulfocarb 800g/L + Metolachlor 120g/L)		2.00L/ha	28.00 L	\$298	\$21.30
Chlorpyrifos 500g/L EC		0.50L/ha	7.00 L	\$79	\$5.65
Sprayseed (Paraquat 135g/L + Diquat 115g/L)		1.00L/ha	14.00 L	\$151	\$10.75
AMS (Sulphate of Ammonia)		@ 1.00%	10.50 Kg	\$11	\$0.75
LI 700		@ 0.20%	2.10 L	\$13	\$0.92
Mix 4 H ₂ O @ 75.0 L/ha (1,050L)	14.0		2-3 Leaf Stage Target: Early Broad Leaf		
Ezyflow Zinc		0.30L/ha	4.20 L	\$50	\$3.60
Mateno (400g/L Aclonifen 100g Pyroxasulfone 66g/L Diflufenican)		0.75L/ha	10.50 L	\$649	\$46.35
Mix 5 H ₂ O @ 75.0 L/ha (1,050L)	14.0		Early tillering Target: Broad Leaf		
Ezyflow Mang		0.50L/ha	7.00 L	\$70	\$5.00
Priority (Florasulam 200g/L)		0.03L/ha	0.35 L	\$76	\$5.45
Flight (Picolinafen 35g/L + MCPA LVE 350g/L + Bromoxynil 210g/L)		0.72L/ha	10.08 L	\$307	\$21.96

Tilt (Propiconazole 250g/L)	0.25 L/ha		3.50 L	\$48	\$3.40
Trojan (Gamma-cylohalothrin 150g/L)	0.01 L/ha		0.17 L	\$24	\$1.72
Mix 6 H ₂ O @ 75.0 L/ha (1,050L)	14.0	First Node			
Ezyflow Copper	0.25 L/ha		3.50 L	\$60	\$4.25
Prosaro SC (Prothioconazole 210g/L + Tebuconazole 210g/L)	0.30 L/ha		4.20 L	\$332	\$23.70

Chemical Total: \$3,157 225.54

Operations

			\$	\$/ha
Soil Tests	14.0 ha @ \$5.00/ha		\$70	\$5.00
Boranup Lime Cartage	14.0 ha @ \$27.00/ha		\$378	\$27.00
Cartage (Fertiliser)	14.0 ha @ \$22.00/ha		\$308	\$22.00
Spreading (4 times)	14.0 ha @ \$40.00/ha		\$560	\$40.00
Boomspray (5 times)	14.0 ha @ \$60.00/ha		\$840	\$60.00
Seeding - Contract	14.0 ha @ \$45.00/ha		\$630	\$45.00
Harvest - Contract	14.0 ha @ \$80.00/ha		\$1,120	\$80.00
Insurance (crop)	14.0 ha @ \$10.00/ha		\$140	\$10.00
Cartage (Grain)	14.0 ha @ \$25.00/ha		\$350	\$25.00

Operations Total: \$4,396 314.00

Total Costs: \$17,331 1,237.92

Barley Malting (14.0 ha)			250.00		290.00		330.00		
			Break-Even	t/ha	GM \$	GM \$/ha	GM \$	GM \$/ha	GM \$
				4.95		4.27		3.75	
	t/ha	t	\$/t						
Pess.	4.00	56.00	309.48	\$-3,331	\$-237.92	\$-1,091	\$-77.92	\$1,149	\$82.08
Exp.	5.00	70.00	247.58	\$169	\$12.08	\$2,969	\$212.08	\$5,769	\$412.08
Opt.	6.00	84.00	206.32	\$3,669	\$262.08	\$7,029	\$502.08	\$10,389	\$742.08

Paddock 51

20.0 ha

2021	2022	2023
Barley Malting	Canola TT Hybrid	Barley Malting

Crop / Variety	ha	Apply	Qty.	\$	\$/ha
Barley Malting (Planet (RGT))	20.0	120.00 kg/ha	2.40 t	\$600	\$30.00
Systiva (Fluxapyroxad 333g/L)		0.15L Seed	3.60 L	\$814	\$40.68
Gaucho (Imidacloprid 600g/L)		0.15L Seed	3.60 L	\$162	\$8.10
<i>Seeding Total:</i>				\$1,576	\$78.78

Fertilisers	ha	Apply	Qty.	\$	\$/ha	
Boranup Lime	20.0	1,000.00 kg/ha	Pre Plant Spread	20.00 t	\$314	\$15.70
Gran NS	20.0	100.00 kg/ha	Pre Plant Spread	2.00 t	\$1,332	\$66.60
Macro Pro Boost 80 AgMn 20	20.0	140.00 kg/ha	At sowing	2.80 t	\$3,982	\$199.08
Urea 60 MOP 40	20.0	120.00 kg/ha	3-4 leaf stage	2.40 t	\$3,252	\$162.60
Urea	20.0	120.00 kg/ha	Early tillering	2.40 t	\$2,942	\$147.12
Flexi N	20.0	30.00 l/ha	First Node	0.60 kL	\$570	\$28.50

kg/ha : 123.66N : 21.17P : 30.48K : 32.85S : 0.14Cu : 0.28Zn

Fertiliser Total: **\$12,392 619.60**

With Last Fungicide

Chemicals	ha	Apply	Qty.	\$	\$/ha
Mix 1 H ₂ O @ 75.0 L/ha (1,500L)	20.0		Fertiliser Dressing		
Intake (Flutriafol 500g/L)		0.20L/ha	4.00 L	\$92	\$4.60
Mix 2 H ₂ O @ 75.0 L/ha (1,500L)	20.0		Knockdown		
Goal (Oxyfluorfen 240g/L)		0.10L/ha	2.00 L	\$29	\$1.45
Alpha Forte (Alpha Cypermethrin 250g/L SC)		0.05L/ha	1.00 L	\$18	\$0.90
Dimethoate 400g/L		0.10L/ha	2.00 L	\$32	\$1.58
Glyphosate 450g/L		2.00L/ha	40.00 L	\$430	\$21.50
AMS (Sulphate of Ammonia)		@ 1.00%	15.00 Kg	\$15	\$0.75
LI 700		@ 0.20%	3.00 L	\$18	\$0.92
Mix 3 H ₂ O @ 75.0 L/ha (1,500L)	20.0		At sowing		
Diuron 900g/kg		0.35kg/ha	7.00 kg	\$113	\$5.67
Sakura (Pyroxasulfone 850g/L)		0.10 kg/ha	2.00 kg	\$668	\$33.40
Trifluralin (480g/L)		2.00L/ha	40.00 L	\$392	\$19.60
Chlorpyrifos 500g/L EC		0.50L/ha	10.00 L	\$113	\$5.65
Sprayseed (Paraquat 135g/L + Diquat 115g/L)		1.00L/ha	20.00 L	\$215	\$10.75
AMS (Sulphate of Ammonia)		@ 1.00%	15.00 Kg	\$15	\$0.75
LI 700		@ 0.20%	3.00 L	\$18	\$0.92
Mix 4 H ₂ O @ 75.0 L/ha (1,500L)	20.0		2-4 leaf stage Target: Early Rye Grass		
If Needed - Inspect In Season					
Ezyflow Zinc		0.30L/ha	6.00 L	\$72	\$3.60
Brodal Options (Diflufenican 500g/L)		0.05L/ha	1.00 L	\$45	\$2.25
Prosulfocarb		3.00L/ha	60.00 L	\$735	\$36.75
Mix 5 H ₂ O @ 75.0 L/ha (1,500L)	20.0		Early tillering Target: Broad Leaf		
Ezyflow Mang		0.50L/ha	10.00 L	\$100	\$5.00
Priority (Florasulam 200g/L)		0.03L/ha	0.50 L	\$109	\$5.45
Flight (Picolinafen 35g/L + MCPA LVE 350g/L + Bromoxynil 210g/L)		0.72L/ha	14.40 L	\$439	\$21.96

Tilt (Propiconazole 250g/L)	0.25 L/ha		5.00 L	\$68	\$3.40
Trojan (Gamma-cylohalothrin 150g/L)	0.01 L/ha		0.24 L	\$34	\$1.72
Mix 6 H ₂ O @ 75.0 L/ha (1,500L)	20.0	First Node			
Ezyflow Copper	0.25 L/ha		5.00 L	\$85	\$4.25
Prosaro SC (Prothioconazole 210g/L + Tebuconazole 210g/L)	0.30 L/ha		6.00 L	\$474	\$23.70

Chemical Total: \$4,330 216.52

Operations

		\$	\$/ha
Soil Tests	20.0 ha @ \$5.00/ha	\$100	\$5.00
Boranup Lime Cartage	20.0 ha @ \$27.00/ha	\$540	\$27.00
Cartage (Fertiliser)	20.0 ha @ \$22.00/ha	\$440	\$22.00
Spreading (4 times)	20.0 ha @ \$40.00/ha	\$800	\$40.00
Boomspray (5 times)	20.0 ha @ \$60.00/ha	\$1,200	\$60.00
Seeding - Contract	20.0 ha @ \$45.00/ha	\$900	\$45.00
Harvest - Contract	20.0 ha @ \$80.00/ha	\$1,600	\$80.00
Insurance (crop)	20.0 ha @ \$10.00/ha	\$200	\$10.00
Cartage (Grain)	20.0 ha @ \$25.00/ha	\$500	\$25.00

Operations Total: \$6,280 314.00

Total Costs: \$24,578 1,228.90

Barley Malting (20.0 ha)			250.00		290.00		330.00		
			Break-Even \$/t	t/ha	GM \$	GM \$/ha	GM \$	GM \$/ha	GM \$
Pess.	4.00	80.00	307.22	\$-4,578	\$-228.90	\$-1,378	\$-68.90	\$1,822	\$91.10
Exp.	5.50	110.00	223.44	\$2,922	\$146.10	\$7,322	\$366.10	\$11,722	\$586.10
Opt.	6.50	130.00	189.06	\$7,922	\$396.10	\$13,122	\$656.10	\$18,322	\$916.10

Paddock 44

35.0 ha

2021	2022	2023
Pasture	Pasture	Canola CL

Paddock 44

Crop / Variety	ha	Apply		Qty.	\$	\$/ha
Canola CL (45Y95CL)	35.0	2.50 kg/ha		0.09 t	\$2,713	\$77.50
Fertilisers	ha	Apply		Qty.	\$	\$/ha
Boranup Lime	35.0	2,000.00 kg/ha	Pre Plant Spread	70.00 t	\$1,099	\$31.40
Gran NS	35.0	150.00 kg/ha	Pre Plant Spread	5.25 t	\$3,497	\$99.90
Macro Pro Boost 80 AgMn 20	35.0	140.00 kg/ha	At sowing	4.90 t	\$6,968	\$199.08
Flexi N	35.0	50.00 l/ha	1-2 leaf stage	2.31 t	\$2,631	\$75.17
NKS 21	35.0	150.00 kg/ha	3-4 leaf stage	5.25 t	\$6,132	\$175.20
Urea	35.0	120.00 kg/ha	Canola bud visible	4.20 t	\$5,149	\$147.12
Flexi N	35.0	50.00 l/ha	10-20% Flowers	2.31 t	\$2,631	\$75.17

kg/ha : 198.18N : 21.17P : 25.32K : 53.10S : 0.14Cu : 0.28Zn

Fertiliser Total: \$28,107 803.05

With Last Fungicide

Chemicals	ha	Apply		Qty.	\$	\$/ha
Mix 1 H ₂ O @ 75.0 L/ha (2,625L)	35.0		Fertiliser Dressing			
Intake (Flutriafol 500g/L)		0.20 L/ha		7.00 L	\$161	\$4.60
Mix 2 H ₂ O @ 75.0 L/ha (2,625L)	35.0		Knockdown			
Goal (Oxyfluorfen 240g/L)		0.10 L/ha		3.50 L	\$51	\$1.45
Alpha Forte (Alpha Cypermethrin 250g/L SC)		0.05 L/ha		1.75 L	\$31	\$0.90
Dimethoate 400g/L		0.10 L/ha		3.50 L	\$55	\$1.58
Glyphosate 450g/L		2.00 L/ha		70.00 L	\$753	\$21.50
AMS (Sulphate of Ammonia)		@ 1.00 %		26.25 Kg	\$26	\$0.75
LI 700		@ 0.20 %		5.25 L	\$32	\$0.92
Mix 3 H ₂ O @ 75.0 L/ha (2,625L)	35.0		Pre sowing			
Trifluralin (480g/L)		2.00 L/ha		70.00 L	\$686	\$19.60
Propyzamide 900g/kg		0.50 kg/ha		17.50 kg	\$1,225	\$35.00
Sprayseed (Paraquat 135g/L + Diquat 115g/L)		1.00 L/ha		35.00 L	\$376	\$10.75
LI 700		@ 0.20 %		5.25 L	\$32	\$0.92
Mix 4 H ₂ O @ 75.0 L/ha (2,625L)	35.0		Bare earth spray - PSPE			
Bifenthrin (Bifenthrin 300g/L) 20L		0.07 L/ha		2.45 L	\$86	\$2.45
Chlorpyrifos 500g/L EC		0.50 L/ha		17.50 L	\$198	\$5.65
LI 700		@ 0.20 %		5.25 L	\$32	\$0.92
Mix 5 H ₂ O @ 75.0 L/ha (2,625L)	35.0		PSPE Target: Slugs			
Meta		2.00 Kg/ha		70.00 Kg	\$420	\$12.00
Metarex		2.00 Kg/ha		70.00 Kg	\$721	\$20.60
Mix 6 H ₂ O @ 75.0 L/ha (2,625L)	35.0		3-4 leaf stage			
Select (Clethodim 240g/L)		0.50 L/ha		17.50 L	\$333	\$9.50
Targa (Quizalofop 99.5g/L)		0.10 L/ha		3.50 L	\$42	\$1.20
Trojan (Gamma-cylohalothrin 150g/L)		0.01 L/ha		0.42 L	\$60	\$1.72
Intervix (Imazamoc 33g/L + Imazapyr 15g/L)		0.50 L/ha		17.50 L	\$515	\$14.70
LI 700		@ 0.20 %		5.25 L	\$32	\$0.92
Uptake		@ 0.50 %		13.13 L	\$100	\$2.87
Mix 7 H ₂ O @ 75.0 L/ha (2,625L)	35.0		6-8 leaf stage			
Select (Clethodim 240g/L)		0.50 L/ha		17.50 L	\$333	\$9.50

Maxentis (Azoxystrobin 133g/L Prothioconazole 100g/L)	0.90L/ha		31.50 L	\$1,487	\$42.48
LI 700	@ 0.20%		5.25 L	\$32	\$0.92
Uptake	@ 0.50%		13.13 L	\$100	\$2.87
Mix 8 H ₂ O @ 75.0 L/ha (2,625L)	35.0	10-20% Flowers			
With Last Flexi N					
Prosaro SC (Prothioconazole 210g/L + Tebuconazole 210g/L)	0.45L/ha		15.75 L	\$1,244	\$35.55
Mix 9 H ₂ O @ 75.0 L/ha (2,625L)	35.0	20% Seed Colour Change in Pod			
Crop Top If Needed					
Trojan (Gamma-cylohalothrin 150g/L)	0.03L/ha		1.05 L	\$150	\$4.29
WeedMaster DST (470g/L)	3.00L/ha		105.00 L	\$1,176	\$33.60
LI 700	@ 0.25%		6.56 L	\$40	\$1.15
			Chemical Total:	\$10,530	300.87

Operations

Soil Tests	0.0 ha @ \$5.00/ha
Boranup Lime Cartage	0.0 ha @ \$27.00/ha
Boranup Lime Cartage	0.0 ha @ \$27.00/ha
Cartage (Fertiliser)	0.0 ha @ \$22.00/ha
Spreading (3 times)	0.0 ha @ \$30.00/ha
Boomspray (9 Times)	0.0 ha @ \$108.00/ha
Seeding - Contract	0.0 ha @ \$45.00/ha
Insurance (crop)	0.0 ha @ \$10.00/ha
Harvest - Contract	0.0 ha @ \$80.00/ha
Cartage (Grain)	0.0 ha @ \$25.00/ha

Operations Total: 0.00

Total Costs: \$41,350 1,181.41

Canola CL (35.0 ha)			750.00		850.00		950.00		
			t/ha	1.58	1.39	1.24			
	t/ha	t	Break-Even \$/t	GM \$	GM \$/ha	GM \$	GM \$/ha	GM \$	GM \$/ha
Pess.	2.20	77.00	537.01	\$16,400	\$468.59	\$24,100	\$688.59	\$31,800	\$908.59
Exp.	2.80	98.00	421.93	\$32,150	\$918.59	\$41,950	\$1,198.59	\$51,750	\$1,478.59
Opt.	3.20	112.00	369.19	\$42,650	\$1,218.59	\$53,850	\$1,538.59	\$65,050	\$1,858.59

Paddock 15

20.0 ha

2021	2022	2023
Canola TT Hybrid	Barley Malting	Canola RR

Paddock 15

Crop / Variety	ha	Apply	Qty.	\$	\$/ha	
Canola RR (4520P)	20.0	2.50 kg/ha	0.05 t	\$2,650	\$132.50	
Fertilisers	ha	Apply	Qty.	\$	\$/ha	
Boranup Lime	20.0	1,000.00 kg/ha	Pre Plant Spread	20.00 t	\$314	\$15.70
Gran NS	20.0	150.00 kg/ha	Pre Plant Spread	3.00 t	\$1,998	\$99.90
Macro Pro Boost 80 AgMn 20	20.0	140.00 kg/ha	At sowing	2.80 t	\$3,982	\$199.08
Flexi N	20.0	50.00 l/ha	1-2 leaf stage	1.32 t	\$1,503	\$75.17
NKS 21	20.0	150.00 kg/ha	3-4 leaf stage	3.00 t	\$3,504	\$175.20
Urea	20.0	120.00 kg/ha	Canola bud visible	2.40 t	\$2,942	\$147.12
Flexi N	20.0	50.00 l/ha	10-20% Flowers	1.32 t	\$1,503	\$75.17
kg/ha : 198.18N : 21.17P : 25.32K : 53.10S : 0.14Cu : 0.28Zn						
<i>Fertiliser Total:</i>				\$15,747	787.35	

With Last Fungicide

Chemicals	ha	Apply	Qty.	\$	\$/ha
Mix 1 H ₂ O @ 75.0 L/ha (1,500L)	20.0		Fertiliser Dressing		
Intake (Flutriafol 500g/L)		0.20 L/ha	4.00 L	\$92	\$4.60
Mix 2 H ₂ O @ 75.0 L/ha (1,500L)	20.0		Knockdown		
Goal (Oxyfluorfen 240g/L)		0.10 L/ha	2.00 L	\$29	\$1.45
Alpha Forte (Alpha Cypermethrin 250g/L SC)		0.05 L/ha	1.00 L	\$18	\$0.90
Dimethoate 400g/L		0.10 L/ha	2.00 L	\$32	\$1.58
Glyphosate 450g/L		2.00 L/ha	40.00 L	\$430	\$21.50
AMS (Sulphate of Ammonia)		@ 1.00%	15.00 Kg	\$15	\$0.75
LI 700		@ 0.20%	3.00 L	\$18	\$0.92
Mix 3 H ₂ O @ 75.0 L/ha (1,500L)	20.0		Pre sowing		
Trifluralin (480g/L)		2.00 L/ha	40.00 L	\$392	\$19.60
Sprayseed (Paraquat 135g/L + Diquat 115g/L)		1.00 L/ha	20.00 L	\$215	\$10.75
AMS (Sulphate of Ammonia)		@ 1.00%	15.00 Kg	\$15	\$0.75
LI 700		@ 0.20%	3.00 L	\$18	\$0.92
Mix 4 H ₂ O @ 75.0 L/ha (1,500L)	20.0		Bare earth spray - PSPE		
Bifenthrin (Bifenthrin 300g/L) 20L		0.07 L/ha	1.40 L	\$49	\$2.45
Chlorpyrifos 500g/L EC		0.50 L/ha	10.00 L	\$113	\$5.65
LI 700		@ 0.20%	3.00 L	\$18	\$0.92
Mix 5 H ₂ O @ 75.0 L/ha (1,500L)	20.0		PSPE Target: Slugs		
Meta		2.00 Kg/ha	40.00 Kg	\$240	\$12.00
Metarex		2.00 Kg/ha	40.00 Kg	\$412	\$20.60
Mix 6 H ₂ O @ 75.0 L/ha (1,500L)	20.0		2-4 leaf stage		
Trojan (Gamma-cylohalothrin 150g/L)		0.01 L/ha	0.24 L	\$34	\$1.72
WeedMaster DST (470g/L)		1.30 L/ha	26.00 L	\$291	\$14.56
AMS (Sulphate of Ammonia)		@ 1.00%	15.00 Kg	\$15	\$0.75
LI 700		@ 0.20%	3.00 L	\$18	\$0.92
Uptake		@ 0.50%	7.50 L	\$57	\$2.87
Mix 7 H ₂ O @ 75.0 L/ha (1,500L)	20.0		5-6 Leaf Stage		
Select (Clethodim 240g/L)		0.50 L/ha	10.00 L	\$190	\$9.50
Maxentis (Azoxystrobin 133g/L)		0.90 L/ha	18.00 L	\$850	\$42.48
Prothioconazole 100g/L)					
WeedMaster DST (470g/L)		1.30 L/ha	26.00 L	\$291	\$14.56

AMS (Sulphate of Ammonia)	@ 1.00%	15.00 Kg	\$15	\$0.75
LI 700	@ 0.20%	3.00 L	\$18	\$0.92
Uptake	@ 0.50%	7.50 L	\$57	\$2.87
Mix 8 H ₂ O @ 75.0 L/ha (1,500L)	20.0			
IF Needed				
Trojan (Gamma-cylohalothrin 150g/L)	0.01L/ha	0.24 L	\$34	\$1.72
WeedMaster DST (470g/L)	1.30L/ha	26.00 L	\$291	\$14.56
AMS (Sulphate of Ammonia)	@ 1.00%	15.00 Kg	\$15	\$0.75
LI 700	@ 0.20%	3.00 L	\$18	\$0.92
Uptake	@ 0.50%	7.50 L	\$57	\$2.87
Mix 9 H ₂ O @ 75.0 L/ha (1,500L)	20.0			
With Last Flexi N				
Prosaro SC (Prothioconazole 210g/L + Tebuconazole 210g/L)	0.45L/ha	9.00 L	\$711	\$35.55
Mix 10 H ₂ O @ 75.0 L/ha (1,500L)	20.0			
Trojan (Gamma-cylohalothrin 150g/L)	0.01L/ha	0.24 L	\$34	\$1.72
WeedMaster DST (470g/L)	3.00L/ha	60.00 L	\$672	\$33.60
LI 700	@ 0.25%	3.75 L	\$23	\$1.15
Chemical Total:			\$5,802	290.08

Rate TBA In Season

Operations			\$	\$/ha
Soil Tests	20.0 ha @ \$5.00/ha		\$100	\$5.00
Boranup Lime Cartage	20.0 ha @ \$27.00/ha		\$540	\$27.00
Cartage (Fertiliser)	20.0 ha @ \$22.00/ha		\$440	\$22.00
Spreading (3 times)	20.0 ha @ \$30.00/ha		\$600	\$30.00
Boomspray (10 Times)	20.0 ha @ \$120.00/ha		\$2,400	\$120.00
Seeding - Contract	20.0 ha @ \$45.00/ha		\$900	\$45.00
Harvest - Contract	20.0 ha @ \$80.00/ha		\$1,600	\$80.00
Insurance (crop)	20.0 ha @ \$10.00/ha		\$200	\$10.00
Cartage (Grain)	20.0 ha @ \$25.00/ha		\$500	\$25.00
Operations Total:			\$7,280	\$64.00
Total Costs:			\$31,479	1,573.93

Canola RR (20.0 ha)			750.00		850.00		950.00	
			Break-Even	t/ha	1.85		1.66	
			\$/t		GM \$	GM \$/ha	GM \$	GM \$/ha
Pess.	2.30	46.00	684.32		\$3,021	\$151.07	\$7,621	\$381.07
Exp.	2.70	54.00	582.94		\$9,021	\$451.07	\$14,421	\$721.07
Opt.	3.40	68.00	462.92		\$19,521	\$976.07	\$26,321	\$1,316.07

Paddock 21

13.0 ha

2021	2022	2023
Pasture	Pasture	Canola TT Hybrid

Paddock 21

Crop / Variety	ha	Apply		Qty.	\$	\$/ha
Canola TT Hybrid (Trifecta)	13.0	2.50 kg/ha		0.03 t	\$1,008	\$77.50
Fertilisers	ha	Apply		Qty.	\$	\$/ha
Boranup Lime	13.0	2,000.00 kg/ha	Feb/Mar	26.00 t	\$408	\$31.40
Gran N S	13.0	150.00 kg/ha	Pre Plant Spread	1.95 t	\$1,299	\$99.90
Macro Pro Boost 80 AgMn 20	13.0	140.00 kg/ha	At sowing	1.82 t	\$2,588	\$199.08
Flexi N	13.0	50.00 l/ha	1-2 leaf stage	0.86 t	\$977	\$75.17
NKS 21	13.0	150.00 kg/ha	3-4 leaf stage	1.95 t	\$2,219	\$170.70
Urea	13.0	120.00 kg/ha	Canola bud visible	1.56 t	\$1,913	\$147.12
Flexi N	13.0	50.00 l/ha	10-20% Flowers	0.86 t	\$977	\$75.17
kg/ha : 195.33N : 23.42P : 25.32K : 49.80S : 0.14Cu : 0.28Zn						
<i>Fertiliser Total:</i>					\$10,381	798.55

With Last Fungicide

Chemicals	ha	Apply		Qty.	\$	\$/ha
Mix 1 H ₂ O @ 75.0 L/ha (975L)	13.0		Applied to Fertiliser			
Intake (Flutriafol 500g/L)		0.20 L/ha		2.60 L	\$60	\$4.60
Mix 2 H ₂ O @ 75.0 L/ha (975L)	13.0		Knockdown			
Goal (Oxyfluorfen 240g/L)		0.10 L/ha		1.30 L	\$19	\$1.45
Alpha Forte (Alpha Cypermethrin 250g/L SC)		0.05 L/ha		0.65 L	\$12	\$0.90
Dimethoate 400g/L		0.10 L/ha		1.30 L	\$21	\$1.58
Glyphosate 450g/L		2.00 L/ha		26.00 L	\$280	\$21.50
AMS (Sulphate of Ammonia)		@ 1.00 %		9.75 Kg	\$10	\$0.75
LI 700		@ 0.20 %		1.95 L	\$12	\$0.92
Mix 3 H ₂ O @ 75.0 L/ha (975L)	13.0		Pre sowing			
Atrazine 900g/kg		1.10 kg/ha		14.30 kg	\$186	\$14.30
Propyzamide 900g/kg		0.50 kg/ha		6.50 kg	\$455	\$35.00
Sprayseed (Paraquat 135g/L + Diquat 115g/L)		1.00 L/ha		13.00 L	\$140	\$10.75
AMS (Sulphate of Ammonia)		@ 1.00 %		9.75 Kg	\$10	\$0.75
LI 700		@ 0.20 %		1.95 L	\$12	\$0.92
Mix 4 H ₂ O @ 75.0 L/ha (975L)	13.0		Bare earth spray - PSPE			
Atrazine 900g/kg		1.10 kg/ha		14.30 kg	\$186	\$14.30
Bifenthrin (Bifenthrin 300g/L) 20L		0.07 L/ha		0.91 L	\$32	\$2.45
Chlorpyrifos 500g/L EC		0.50 L/ha		6.50 L	\$73	\$5.65
LI 700		@ 0.20 %		1.95 L	\$12	\$0.92
Mix 5 H ₂ O @ 75.0 L/ha (975L)	13.0		PSPE Target: Slugs			
Meta		2.00 Kg/ha		26.00 Kg	\$156	\$12.00
Metarex		2.00 Kg/ha		26.00 Kg	\$268	\$20.60
Mix 6 H ₂ O @ 75.0 L/ha (975L)	13.0		4-5 leaf stage			
Atrazine 900g/kg		0.55 kg/ha		7.15 kg	\$93	\$7.15
Select (Clethodim 240g/L)		0.50 L/ha		6.50 L	\$124	\$9.50
Targa (Quizalofop 99.5g/L)		0.10 L/ha		1.30 L	\$16	\$1.20
Alpha Cypermethrin 100EC		0.10 L/ha		1.30 L	\$9	\$0.73
AMS (Sulphate of Ammonia)		@ 1.00 %		9.75 Kg	\$10	\$0.75
LI 700		@ 0.20 %		1.95 L	\$12	\$0.92
Uptake		@ 0.50 %		4.88 L	\$37	\$2.87
Mix 7 H ₂ O @ 75.0 L/ha (975L)	13.0		10-20% Flowers			

With Last Flexi N					
Prosaro SC (Prothioconazole 210g/L + Tebuconazole 210g/L)	0.45L/ha		5.85 L	\$462	\$35.55
Mix 8 H ₂ O @ 75.0 L/ha (975L)	13.0				
					20% Seed Colour Change in Pod
Crop Top If Needed					
Trojan (Gamma-cylohalothrin 150g/L)	0.01L/ha		0.16 L	\$22	\$1.72
WeedMaster DST (470g/L)	3.00L/ha		39.00 L	\$437	\$33.60
LI 700	@ 0.25%		2.44 L	\$15	\$1.15
				Chemical Total:	\$3,178 244.48

Operations			\$	\$/ha	
Soil Tests	13.0 ha @ \$5.00/ha		\$65	\$5.00	
Cartage (Fertiliser)	13.0 ha @ \$22.00/ha		\$286	\$22.00	
Boranup Lime Cartage	13.0 ha @ \$27.00/ha		\$351	\$27.00	
Spreading (3 times)	13.0 ha @ \$30.00/ha		\$390	\$30.00	
Boomspray (6 Times)	13.0 ha @ \$12.00/ha		\$156	\$12.00	
Seeding - Contract	13.0 ha @ \$45.00/ha		\$585	\$45.00	
Insurance (crop)	13.0 ha @ \$10.00/ha		\$130	\$10.00	
Harvest - Contract	13.0 ha @ \$80.00/ha		\$1,040	\$80.00	
Cartage (Grain)	13.0 ha @ \$25.00/ha		\$325	\$25.00	
				Operations Total:	\$3,328 256.00
				Total Costs:	\$17,895 1,376.53

Canola TT Hybrid (13.0 ha)			750.00		850.00		950.00		
			t/ha 1.84		1.62		1.45		
	t/ha	t	Break-Even \$/t	GM \$	GM \$/ha	GM \$	GM \$/ha	GM \$	GM \$/ha
Pess.	2.20	28.60	625.69	\$3,555	\$273.47	\$6,415	\$493.47	\$9,275	\$713.47
Exp.	2.80	36.40	491.62	\$9,405	\$723.47	\$13,045	\$1,003.47	\$16,685	\$1,283.47
Opt.	3.20	41.60	430.17	\$13,305	\$1,023.47	\$17,465	\$1,343.47	\$21,625	\$1,663.47

Paddock 38

24.0 ha

2021	2022	2023
Canola TT Hybrid	Barley Malting	Canola TT Hybrid

Paddock 38

Crop / Variety	ha	Apply	Qty.	\$	\$/ha	
Canola TT Hybrid (Trifecta)	24.0	2.50 kg/ha	0.06 t	\$1,860	\$77.50	
Fertilisers	ha	Apply	Qty.	\$	\$/ha	
Boranup Lime	24.0	1,000.00 kg/ha	Feb/Mar	24.00 t	\$377	\$15.70
Gran N S	24.0	150.00 kg/ha	Pre Plant Spread	3.60 t	\$2,398	\$99.90
Macro Pro Boost 80 AgMn 20	24.0	140.00 kg/ha	At sowing	3.36 t	\$4,778	\$199.08
Flexi N	24.0	50.00 l/ha	1-2 leaf stage	1.58 t	\$1,804	\$75.17
NKS 21	24.0	150.00 kg/ha	3-4 leaf stage	3.60 t	\$4,097	\$170.70
Urea	24.0	120.00 kg/ha	Canola bud visible	2.88 t	\$3,531	\$147.12
Flexi N	24.0	50.00 l/ha	20-30% Flowering	1.58 t	\$1,804	\$75.17
kg/ha : 195.33N : 23.42P : 25.32K : 49.80S : 0.14Cu : 0.28Zn						
<i>Fertiliser Total:</i>				\$18,788	782.85	

Last Flexi N With Fungicide

Chemicals	ha	Apply	Qty.	\$	\$/ha
Mix 1 H ₂ O @ 75.0 L/ha (1,800L)	24.0		Applied to Fertiliser		
Intake (Flutriafol 500g/L)		0.20 L/ha	4.80 L	\$110	\$4.60
Mix 2 H ₂ O @ 75.0 L/ha (1,800L)	24.0		Knockdown		
Goal (Oxyfluorfen 240g/L)		0.10 L/ha	2.40 L	\$35	\$1.45
Alpha Forte (Alpha Cypermethrin 250g/L SC)		0.05 L/ha	1.20 L	\$22	\$0.90
Dimethoate 400g/L		0.10 L/ha	2.40 L	\$38	\$1.58
Glyphosate 450g/L		2.00 L/ha	48.00 L	\$516	\$21.50
AMS (Sulphate of Ammonia)		@ 1.00 %	18.00 Kg	\$18	\$0.75
LI 700		@ 0.20 %	3.60 L	\$22	\$0.92
Mix 3 H ₂ O @ 75.0 L/ha (1,800L)	24.0		Pre sowing		
Atrazine 900g/kg		1.10 kg/ha	26.40 kg	\$343	\$14.30
Propyzamide 900g/kg		0.50 kg/ha	12.00 kg	\$840	\$35.00
Sprayseed (Paraquat 135g/L + Diquat 115g/L)		1.00 L/ha	24.00 L	\$258	\$10.75
AMS (Sulphate of Ammonia)		@ 1.00 %	18.00 Kg	\$18	\$0.75
LI 700		@ 0.20 %	3.60 L	\$22	\$0.92
Mix 4 H ₂ O @ 75.0 L/ha (1,800L)	24.0		Bare earth spray - PSPE		
Atrazine 900g/kg		1.10 kg/ha	26.40 kg	\$343	\$14.30
Bifenthrin (Bifenthrin 300g/L) 20L		0.07 L/ha	1.68 L	\$59	\$2.45
Chlorpyrifos 500g/L EC		0.50 L/ha	12.00 L	\$136	\$5.65
LI 700		@ 0.20 %	3.60 L	\$22	\$0.92
Mix 5 H ₂ O @ 75.0 L/ha (1,800L)	24.0		PSPE Target: Slugs		
Meta		2.00 Kg/ha	48.00 Kg	\$288	\$12.00
Metarex		2.00 Kg/ha	48.00 Kg	\$494	\$20.60
Mix 6 H ₂ O @ 75.0 L/ha (1,800L)	24.0		4-5 leaf stage		
Atrazine 900g/kg		0.55 kg/ha	13.20 kg	\$172	\$7.15
Select (Clethodim 240g/L)		0.50 L/ha	12.00 L	\$228	\$9.50
Targa (Quizalofop 99.5g/L)		0.10 L/ha	2.40 L	\$29	\$1.20
Alpha Cypermethrin 100EC		0.10 L/ha	2.40 L	\$17	\$0.73
AMS (Sulphate of Ammonia)		@ 1.00 %	18.00 Kg	\$18	\$0.75
LI 700		@ 0.20 %	3.60 L	\$22	\$0.92
Uptake		@ 0.50 %	9.00 L	\$69	\$2.87
Mix 7 H ₂ O @ 75.0 L/ha (1,800L)	24.0		10-20% Flowers		

With Last Flexi N					
Prosaro SC (Prothioconazole 210g/L + Tebuconazole 210g/L)	0.45L/ha		10.80 L	\$853	\$35.55
Mix 8 H ₂ O @ 75.0 L/ha (1,800L)	24.0				
		20% Seed Colour Change in Pod			
Crop Top If Needed					
Trojan (Gamma-cylohalothrin 150g/L)	0.03L/ha		0.72 L	\$103	\$4.29
WeedMaster DST (470g/L)	2.00L/ha		48.00 L	\$538	\$22.40
LI 700	@ 0.25%		4.50 L	\$28	\$1.15
Chemical Total:				\$5,661	235.85

Operations			\$	\$/ha	
Soil Tests	24.0 ha @ \$5.00/ha		\$120	\$5.00	
Cartage (Fertiliser)	24.0 ha @ \$22.00/ha		\$528	\$22.00	
Boranup Lime Cartage	24.0 ha @ \$27.00/ha		\$648	\$27.00	
Spreading (3 times)	24.0 ha @ \$30.00/ha		\$720	\$30.00	
Boomspray (6 Times)	24.0 ha @ \$12.00/ha		\$288	\$12.00	
Seeding - Contract	24.0 ha @ \$45.00/ha		\$1,080	\$45.00	
Insurance (crop)	24.0 ha @ \$10.00/ha		\$240	\$10.00	
Harvest - Contract	24.0 ha @ \$80.00/ha		\$1,920	\$80.00	
Cartage (Grain)	24.0 ha @ \$25.00/ha		\$600	\$25.00	
Operations Total:				\$6,144	256.00
Total Costs:				\$32,453	1,352.20

Canola TT Hybrid (24.0 ha)			750.00		850.00		950.00		
			t/ha 1.80		1.59		1.42		
	t/ha	t	Break-Even \$/t	GM \$	GM \$/ha	GM \$	GM \$/ha	GM \$	GM \$/ha
Pess.	2.20	52.80	614.64	\$7,147	\$297.80	\$12,427	\$517.80	\$17,707	\$737.80
Exp.	2.80	67.20	482.93	\$17,947	\$747.80	\$24,667	\$1,027.80	\$31,387	\$1,307.80
Opt.	3.20	76.80	422.56	\$25,147	\$1,047.80	\$32,827	\$1,367.80	\$40,507	\$1,687.80

Paddock 01

5.0 ha

2021	2022	2023
Pasture	Pasture	Est Balansa Pasture

Paddock 01

Crop / Variety	ha	Apply	Qty.	\$	\$/ha
Est Balansa Pasture ()	5.0	0.00 kg/ha	t		

Fertilisers	ha	Apply	Qty.	\$	\$/ha
Super Phos Ex 41Se .2	5.0	150.00 kg/ha	Feb/Mar	0.75 t	\$608 \$121.50
Flexi N	5.0	50.00l/ha	June	0.33 t	\$376 \$75.17
Flexi N	5.0	75.00l/ha	July	0.50 t	\$564 \$112.76

kg/ha : 69.30N : 10.95P : 14.85K : 12.60S : 24.00Ca : 0.12Cu : 0.12Zn

Fertiliser Total: \$1,547 309.44

Chemicals	ha	Apply	Qty.	\$	\$/ha
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Mix 1 H ₂ O @ 75.0 L/ha (375L)	5.0		July Target: Broad/Narrow Leaf		
Simazine 900g/kg		0.50 kg/ha		2.50 kg	\$37 \$7.33
Ecopar (Pyraflufen 20g/L)		0.50 L/ha		2.50 L	\$113 \$22.50
MCPA 750 - Agritone (MCPA Amine 750g/L)		0.40 L/ha		2.00 L	\$25 \$4.98
Lemat (Omethoate 290g/L)		0.12 L/ha		0.60 L	\$17 \$3.46
Mix 2 H ₂ O @ 75.0 L/ha (375L)	5.0		October Target: Spray Top		
Paraquat (Paraquat 250g/L)		0.40L/ha		2.00 L	\$16 \$3.24
Uptake		@ 0.50 %		1.88 L	\$14 \$2.87

Chemical Total: \$222 44.37

Operations			\$	\$/ha
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Soil Tests	5.0 ha @ \$5.00/ha	5-6 Leaf Stage	\$25	\$5.00
Cartage (Fertiliser)	5.0 ha @ \$22.00/ha		\$110	\$22.00
Spreading	5.0 ha @ \$10.00/ha		\$50	\$10.00
Boomspray (4 times)	5.0 ha @ \$48.00/ha		\$240	\$48.00

Operations Total: \$425 85.00

Total Costs: \$2,194 438.81

Est Balansa Pasture (5.0 h			50.00		60.00		70.00		
			Break-Even	t/ha					
			\$/t	8.78	7.31		6.27		
t/ha	t		GM \$	GM \$/ha	GM \$	GM \$/ha	GM \$	GM \$/ha	
Pess.	10.00	50.00	43.88	\$306	\$61.19	\$806	\$161.19	\$1,306	\$261.19
Exp.	11.00	55.00	39.89	\$556	\$111.19	\$1,106	\$221.19	\$1,656	\$331.19
Opt.	12.00	60.00	36.57	\$806	\$161.19	\$1,406	\$281.19	\$2,006	\$401.19

Paddock 02

10.0 ha

2021	2022	2023
Pasture	Pasture	Est Balansa Pasture

Paddock 02

Crop / Variety	ha	Apply	Qty.	\$	\$/ha
Est Balansa Pasture ()	10.0	0.00 kg/ha	t		

Fertilisers	ha	Apply	Qty.	\$	\$/ha	
Super Phos Ex 41Se .2	10.0	150.00 kg/ha	Feb/Mar	1.50 t	\$1,215	\$121.50
Flexi N	10.0	50.00l/ha	June	0.66 t	\$752	\$75.17
Flexi N	10.0	75.00l/ha	July	0.99 t	\$1,128	\$112.76

kg/ha : 69.30N : 10.95P : 14.85K : 12.60S : 24.00Ca : 0.12Cu : 0.12Zn

Fertiliser Total: **\$3,094** **309.44**

Chemicals	ha	Apply	Qty.	\$	\$/ha
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Mix 1 H ₂ O @ 75.0 L/ha (750L)	10.0		July Target: Broad/Narrow Leaf			
Simazine 900g/kg		0.50 kg/ha		5.00 kg	\$73	\$7.33
Ecopar (Pyraflufen 20g/L)		0.50 L/ha		5.00 L	\$225	\$22.50
MCPA 750 - Agritone (MCPA Amine 750g/L)		0.40 L/ha		4.00 L	\$50	\$4.98
Lemat (Omethoate 290g/L)		0.12 L/ha		1.20 L	\$35	\$3.46
Mix 2 H ₂ O @ 75.0 L/ha (750L)	10.0		October Target: Spray Top			
Paraquat (Paraquat 250g/L)		0.40 L/ha		4.00 L	\$32	\$3.24
Uptake		@ 0.50 %		3.75 L	\$29	\$2.87

Chemical Total: **\$444** **44.37**

Operations				\$	\$/ha
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Soil Tests	10.0	ha @ \$5.00/ha	5-6 Leaf Stage	\$50	\$5.00
Cartage (Fertiliser)	10.0	ha @ \$22.00/ha		\$220	\$22.00
Spreading	10.0	ha @ \$10.00/ha		\$100	\$10.00
Boomspray (4 times)	10.0	ha @ \$48.00/ha		\$480	\$48.00

Operations Total: **\$850** **85.00**

Total Costs: \$4,388 438.81

Est Balansa Pasture (10.0			50.00		60.00		70.00		
			Break-Even	t/ha					
			\$/t	8.78	7.31		6.27		
t/ha	t		GM \$	GM \$/ha	GM \$	GM \$/ha	GM \$	GM \$/ha	
Pess.	10.00	100.00	43.88	\$612	\$61.19	\$1,612	\$161.19	\$2,612	\$261.19
Exp.	11.00	110.00	39.89	\$1,112	\$111.19	\$2,212	\$221.19	\$3,312	\$331.19
Opt.	12.00	120.00	36.57	\$1,612	\$161.19	\$2,812	\$281.19	\$4,012	\$401.19

Paddock 08

30.0 ha

2021	2022	2023
Pasture	Pasture	Est Balansa Pasture

Paddock 08

Crop / Variety	ha	Apply	Qty.	\$	\$/ha
Est Balansa Pasture ()	30.0	0.00 kg/ha	t		

Fertilisers	ha	Apply	Qty.	\$	\$/ha	
Super Phos Ex 41Se .2	30.0	150.00 kg/ha	Feb/Mar	4.50 t	\$3,645	\$121.50
Flexi N	30.0	50.00 l/ha	June	1.98 t	\$2,255	\$75.17
Flexi N	30.0	75.00 l/ha	July	2.97 t	\$3,383	\$112.76

kg/ha : 69.30N : 10.95P : 14.85K : 12.60S : 24.00Ca : 0.12Cu : 0.12Zn

Fertiliser Total: \$9,283 309.44

Chemicals	ha	Apply	Qty.	\$	\$/ha
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Mix 1 H ₂ O @ 75.0 L/ha (2,250L)	30.0		July Target: Broad/Narrow Leaf		
Simazine 900g/kg		0.50 kg/ha	15.00 kg	\$220	\$7.33
Ecopar (Pyraflufen 20g/L)		0.50 L/ha	15.00 L	\$675	\$22.50
MCPA 750 - Agritone (MCPA Amine 750g/L)		0.40 L/ha	12.00 L	\$149	\$4.98
Lemat (Omethoate 290g/L)		0.12 L/ha	3.60 L	\$104	\$3.46
Mix 2 H ₂ O @ 75.0 L/ha (2,250L)	30.0		October Target: Spray Top		
Paraquat (Paraquat 250g/L)		0.40 L/ha	12.00 L	\$97	\$3.24
Uptake		@ 0.50 %	11.25 L	\$86	\$2.87

Chemical Total: \$1,331 44.37

Operations		\$	\$/ha
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Soil Tests	30.0 ha @ \$5.00/ha	5-6 Leaf Stage	\$150	\$5.00
Cartage (Fertiliser)	30.0 ha @ \$22.00/ha		\$660	\$22.00
Spreading	30.0 ha @ \$10.00/ha		\$300	\$10.00
Boomspray (4 times)	30.0 ha @ \$48.00/ha		\$1,440	\$48.00

Operations Total: \$2,550 85.00

Total Costs: \$13,164 438.81

Est Balansa Pasture (30.0			50.00		60.00		70.00		
			Break-Even	t/ha					
			\$/t	8.78	7.31		6.27		
t/ha	t		GM \$	GM \$/ha	GM \$	GM \$/ha	GM \$	GM \$/ha	
Pess.	10.00	300.00	43.88	\$1,836	\$61.19	\$4,836	\$161.19	\$7,836	\$261.19
Exp.	11.00	330.00	39.89	\$3,336	\$111.19	\$6,636	\$221.19	\$9,936	\$331.19
Opt.	12.00	360.00	36.57	\$4,836	\$161.19	\$8,436	\$281.19	\$12,036	\$401.19

Paddock 10

20.0 ha

2021	2022	2023
Pasture	Pasture	Est Balansa Pasture

Paddock 10

Crop / Variety	ha	Apply	Qty.	\$	\$/ha
Est Balansa Pasture ()	20.0	0.00 kg/ha	t		

Fertilisers	ha	Apply	Qty.	\$	\$/ha	
Super Phos Ex 41Se .2	20.0	150.00 kg/ha	Feb/Mar	3.00 t	\$2,430	\$121.50
Flexi N	20.0	50.00 l/ha	June	1.32 t	\$1,503	\$75.17
Flexi N	20.0	75.00 l/ha	July	1.98 t	\$2,255	\$112.76

kg/ha : 69.30N : 10.95P : 14.85K : 12.60S : 24.00Ca : 0.12Cu : 0.12Zn

Fertiliser Total: \$6,189 309.44

Chemicals	ha	Apply	Qty.	\$	\$/ha
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Mix 1 H ₂ O @ 75.0 L/ha (1,500L)	20.0		July Target: Broad/Narrow Leaf		
Simazine 900g/kg		0.50 kg/ha	10.00 kg	\$147	\$7.33
Ecopar (Pyraflufen 20g/L)		0.50 L/ha	10.00 L	\$450	\$22.50
MCPA 750 - Agritone (MCPA Amine 750g/L)		0.40 L/ha	8.00 L	\$100	\$4.98
Lemat (Omethoate 290g/L)		0.12 L/ha	2.40 L	\$69	\$3.46
Mix 2 H ₂ O @ 75.0 L/ha (1,500L)	20.0		October Target: Spray Top		
Paraquat (Paraquat 250g/L)		0.40 L/ha	8.00 L	\$65	\$3.24
Uptake		@ 0.50 %	7.50 L	\$57	\$2.87

Chemical Total: \$887 44.37

Operations			\$	\$/ha
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Soil Tests	20.0 ha @ \$5.00/ha	5-6 Leaf Stage	\$100	\$5.00
Cartage (Fertiliser)	20.0 ha @ \$22.00/ha		\$440	\$22.00
Spreading	20.0 ha @ \$10.00/ha		\$200	\$10.00
Boomspray (4 times)	20.0 ha @ \$48.00/ha		\$960	\$48.00

Operations Total: \$1,700 85.00

Total Costs: \$8,776 438.81

Est Balansa Pasture (20.0			50.00		60.00		70.00		
			Break-Even	t/ha					
			\$/t	8.78	7.31		6.27		
t/ha	t		GM \$	GM \$/ha	GM \$	GM \$/ha	GM \$	GM \$/ha	
Pess.	10.00	200.00	43.88	\$1,224	\$61.19	\$3,224	\$161.19	\$5,224	\$261.19
Exp.	11.00	220.00	39.89	\$2,224	\$111.19	\$4,424	\$221.19	\$6,624	\$331.19
Opt.	12.00	240.00	36.57	\$3,224	\$161.19	\$5,624	\$281.19	\$8,024	\$401.19

Paddock 12

18.0 ha

2021	2022	2023
Pasture	Pasture Re-seed	Est Balansa Pasture

Paddock 12

Crop / Variety	ha	Apply	Qty.	\$	\$/ha
Est Balansa Pasture ()	18.0	0.00 kg/ha	t		

Fertilisers	ha	Apply	Qty.	\$	\$/ha	
Super Phos Ex 41Se .2	18.0	150.00 kg/ha	Feb/Mar	2.70 t	\$2,187	\$121.50
Flexi N	18.0	50.00l/ha	June	1.19 t	\$1,353	\$75.17
Flexi N	18.0	75.00l/ha	July	1.78 t	\$2,030	\$112.76

kg/ha : 69.30N : 10.95P : 14.85K : 12.60S : 24.00Ca : 0.12Cu : 0.12Zn

Fertiliser Total: \$5,570 309.44

Chemicals	ha	Apply	Qty.	\$	\$/ha
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Mix 1 H ₂ O @ 75.0 L/ha (1,350L)	18.0		July Target: Broad/Narrow Leaf		
Simazine 900g/kg		0.50 kg/ha		9.00 kg	\$132 \$7.33
Ecopar (Pyraflufen 20g/L)		0.50 L/ha		9.00 L	\$405 \$22.50
MCPA 750 - Agritone (MCPA Amine 750g/L)		0.40 L/ha		7.20 L	\$90 \$4.98
Lemat (Omethoate 290g/L)		0.12 L/ha		2.16 L	\$62 \$3.46
Mix 2 H ₂ O @ 75.0 L/ha (1,350L)	18.0		October Target: Spray Top		
Paraquat (Paraquat 250g/L)		0.40 L/ha		7.20 L	\$58 \$3.24
Uptake		@ 0.50 %		6.75 L	\$52 \$2.87

Chemical Total: \$799 44.37

Operations	ha	Apply	Qty.	\$	\$/ha
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Soil Tests	18.0	ha @ \$5.00/ha	5-6 Leaf Stage	\$90	\$5.00
Cartage (Fertiliser)	18.0	ha @ \$22.00/ha		\$396	\$22.00
Spreading	18.0	ha @ \$10.00/ha		\$180	\$10.00
Boomspray (4 times)	18.0	ha @ \$48.00/ha		\$864	\$48.00

Operations Total: \$1,530 85.00

Total Costs: \$7,899 438.81

Est Balansa Pasture (18.0	t/ha	t	Break-Even \$/t	50.00		60.00		70.00	
				t/ha	8.78	7.31	6.27	GM \$	GM \$/ha
Pess.	10.00	180.00	43.88	\$1,101	\$61.19	\$2,901	\$161.19	\$4,701	\$261.19
Exp.	11.00	198.00	39.89	\$2,001	\$111.19	\$3,981	\$221.19	\$5,961	\$331.19
Opt.	12.00	216.00	36.57	\$2,901	\$161.19	\$5,061	\$281.19	\$7,221	\$401.19

Paddock 20

26.0 ha

2021	2022	2023
Pasture	Pasture	Est Balansa Pasture

Paddock 20

Crop / Variety	ha	Apply	Qty.	\$	\$/ha
Est Balansa Pasture ()	26.0	0.00 kg/ha	t		

Fertilisers	ha	Apply	Qty.	\$	\$/ha	
Super Phos Ex 41Se .2	26.0	150.00 kg/ha	Feb/Mar	3.90 t	\$3,159	\$121.50
Flexi N	26.0	50.00l/ha	June	1.72 t	\$1,955	\$75.17
Flexi N	26.0	75.00l/ha	July	2.57 t	\$2,932	\$112.76

kg/ha : 69.30N : 10.95P : 14.85K : 12.60S : 24.00Ca : 0.12Cu : 0.12Zn

Fertiliser Total: \$8,045 309.44

Chemicals	ha	Apply	Qty.	\$	\$/ha
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Mix 1 H ₂ O @ 75.0 L/ha (1,950L)	26.0		July Target: Broad/Narrow Leaf			
Simazine 900g/kg		0.50 kg/ha		13.00 kg	\$191	\$7.33
Ecopar (Pyraflufen 20g/L)		0.50 L/ha		13.00 L	\$585	\$22.50
MCPA 750 - Agritone (MCPA Amine 750g/L)		0.40 L/ha		10.40 L	\$129	\$4.98
Lemat (Omethoate 290g/L)		0.12 L/ha		3.12 L	\$90	\$3.46
Mix 2 H ₂ O @ 75.0 L/ha (1,950L)	26.0		October Target: Spray Top			
Paraquat (Paraquat 250g/L)		0.40 L/ha		10.40 L	\$84	\$3.24
Uptake		@ 0.50 %		9.75 L	\$75	\$2.87

Chemical Total: \$1,154 44.37

Operations	ha	Apply	Qty.	\$	\$/ha
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Soil Tests	26.0	ha @ \$5.00/ha	5-6 Leaf Stage	\$130	\$5.00
Cartage (Fertiliser)	26.0	ha @ \$22.00/ha		\$572	\$22.00
Spreading	26.0	ha @ \$10.00/ha		\$260	\$10.00
Boomspray (4 times)	26.0	ha @ \$48.00/ha		\$1,248	\$48.00

Operations Total: \$2,210 85.00

Total Costs: \$11,409 438.81

Est Balansa Pasture (26.0			50.00		60.00		70.00		
			Break-Even	t/ha	7.31		6.27		
t/ha	t	\$/t	GM \$	GM \$/ha	GM \$	GM \$/ha	GM \$	GM \$/ha	
Pess.	10.00	260.00	43.88	\$1,591	\$61.19	\$4,191	\$161.19	\$6,791	\$261.19
Exp.	11.00	286.00	39.89	\$2,891	\$111.19	\$5,751	\$221.19	\$8,611	\$331.19
Opt.	12.00	312.00	36.57	\$4,191	\$161.19	\$7,311	\$281.19	\$10,431	\$401.19

Paddock 35

33.0 ha

2021	2022	2023
Pasture	Pasture	Est Balansa Pasture

Paddock 35

Crop / Variety	ha	Apply	Qty.	\$	\$/ha
Est Balansa Pasture ()	33.0	0.00 kg/ha	t		

Fertilisers	ha	Apply	Qty.	\$	\$/ha	
Super Phos Ex 41Se .2	33.0	150.00 kg/ha	Feb/Mar	4.95 t	\$4,010	\$121.50
Flexi N	33.0	50.00l/ha	June	2.18 t	\$2,481	\$75.17
Flexi N	33.0	75.00l/ha	July	3.27 t	\$3,721	\$112.76

kg/ha : 69.30N : 10.95P : 14.85K : 12.60S : 24.00Ca : 0.12Cu : 0.12Zn

Fertiliser Total: \$10,211 309.44

Chemicals	ha	Apply	Qty.	\$	\$/ha
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Mix 1 H ₂ O @ 75.0 L/ha (2,475L)	33.0		July Target: Broad/Narrow Leaf			
Simazine 900g/kg		0.50 kg/ha		16.50 kg	\$242	\$7.33
Ecopar (Pyraflufen 20g/L)		0.50 L/ha		16.50 L	\$743	\$22.50
MCPA 750 - Agritone (MCPA Amine 750g/L)		0.40 L/ha		13.20 L	\$164	\$4.98
Lemat (Omethoate 290g/L)		0.12 L/ha		3.96 L	\$114	\$3.46
Mix 2 H ₂ O @ 75.0 L/ha (2,475L)	33.0		October Target: Spray Top			
Paraquat (Paraquat 250g/L)		0.40 L/ha		13.20 L	\$107	\$3.24
Uptake		@ 0.50 %		12.38 L	\$95	\$2.87

Chemical Total: \$1,464 44.37

Operations			\$	\$/ha
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Soil Tests	33.0 ha @ \$5.00/ha	5-6 Leaf Stage	\$165	\$5.00
Cartage (Fertiliser)	33.0 ha @ \$22.00/ha		\$726	\$22.00
Spreading	33.0 ha @ \$10.00/ha		\$330	\$10.00
Boomspray (4 times)	33.0 ha @ \$48.00/ha		\$1,584	\$48.00

Operations Total: \$2,805 85.00

Total Costs: \$14,481 438.81

Est Balansa Pasture (33.0			50.00		60.00		70.00		
			Break-Even	t/ha	7.31		6.27		
t/ha	t	\$/t	GM \$	GM \$/ha	GM \$	GM \$/ha	GM \$	GM \$/ha	
Pess.	10.00	330.00	43.88	\$2,019	\$61.19	\$5,319	\$161.19	\$8,619	\$261.19
Exp.	11.00	363.00	39.89	\$3,669	\$111.19	\$7,299	\$221.19	\$10,929	\$331.19
Opt.	12.00	396.00	36.57	\$5,319	\$161.19	\$9,279	\$281.19	\$13,239	\$401.19

Feedlot

10.0 ha

2021	2022	2023
Pasture	Pasture	Est Balansa Pasture

Feedlot

Crop / Variety	ha	Apply	Qty.	\$	\$/ha
Est Balansa Pasture ()	10.0	0.00 kg/ha	t		

Fertilisers	ha	Apply	Qty.	\$	\$/ha	
Super Phos Ex 41Se .2	10.0	150.00 kg/ha	Feb/Mar	1.50 t	\$1,215	\$121.50
Flexi N	10.0	50.00l/ha	June	0.66 t	\$752	\$75.17
Flexi N	10.0	75.00l/ha	July	0.99 t	\$1,128	\$112.76

kg/ha : 69.30N : 10.95P : 14.85K : 12.60S : 24.00Ca : 0.12Cu : 0.12Zn

Fertiliser Total: \$3,094 309.44

Chemicals	ha	Apply	Qty.	\$	\$/ha
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Mix 1 H ₂ O @ 75.0 L/ha (750L)	10.0		July Target: Broad/Narrow Leaf			
Simazine 900g/kg		0.50 kg/ha		5.00 kg	\$73	\$7.33
Ecopar (Pyraflufen 20g/L)		0.50 L/ha		5.00 L	\$225	\$22.50
MCPA 750 - Agritone (MCPA Amine 750g/L)		0.40 L/ha		4.00 L	\$50	\$4.98
Lemat (Omethoate 290g/L)		0.12 L/ha		1.20 L	\$35	\$3.46
Mix 2 H ₂ O @ 75.0 L/ha (750L)	10.0		October Target: Spray Top			
Paraquat (Paraquat 250g/L)		0.40 L/ha		4.00 L	\$32	\$3.24
Uptake		@ 0.50 %		3.75 L	\$29	\$2.87

Chemical Total: \$444 44.37

Operations				\$	\$/ha
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Soil Tests	10.0	ha @ \$5.00/ha	5-6 Leaf Stage	\$50	\$5.00
Cartage (Fertiliser)	10.0	ha @ \$22.00/ha		\$220	\$22.00
Spreading	10.0	ha @ \$10.00/ha		\$100	\$10.00
Boomspray (4 times)	10.0	ha @ \$48.00/ha		\$480	\$48.00

Operations Total: \$850 85.00

Total Costs: \$4,388 438.81

Est Balansa Pasture (10.0			50.00		60.00		70.00		
			Break-Even	t/ha	7.31		6.27		
t/ha	t		\$/t	GM \$	GM \$/ha	GM \$	GM \$/ha	GM \$	GM \$/ha
Pess.	10.00	100.00	43.88	\$612	\$61.19	\$1,612	\$161.19	\$2,612	\$261.19
Exp.	11.00	110.00	39.89	\$1,112	\$111.19	\$2,212	\$221.19	\$3,312	\$331.19
Opt.	12.00	120.00	36.57	\$1,612	\$161.19	\$2,812	\$281.19	\$4,012	\$401.19

Holding Paddock

3.0 ha

2021	2022	2023
Pasture	Pasture	Est Balansa Pasture

Holding Paddock

Crop / Variety	ha	Apply	Qty.	\$	\$/ha
Est Balansa Pasture ()	3.0	0.00 kg/ha	t		

Fertilisers	ha	Apply	Qty.	\$	\$/ha
Super Phos Ex 41Se .2	3.0	150.00 kg/ha	Feb/Mar	0.45 t	\$365 \$121.50
Flexi N	3.0	50.00l/ha	June	0.20 t	\$226 \$75.17
Flexi N	3.0	75.00l/ha	July	0.30 t	\$338 \$112.76

kg/ha : 69.30N : 10.95P : 14.85K : 12.60S : 24.00Ca : 0.12Cu : 0.12Zn

Fertiliser Total: \$928 309.44

Chemicals	ha	Apply	Qty.	\$	\$/ha
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Mix 1 H ₂ O @ 75.0 L/ha (225L)	3.0		July Target: Broad/Narrow Leaf		
Simazine 900g/kg		0.50 kg/ha		1.50 kg	\$22 \$7.33
Ecopar (Pyraflufen 20g/L)		0.50 L/ha		1.50 L	\$68 \$22.50
MCPA 750 - Agritone (MCPA Amine 750g/L)		0.40 L/ha		1.20 L	\$15 \$4.98
Lemat (Omethoate 290g/L)		0.12 L/ha		0.36 L	\$10 \$3.46
Mix 2 H ₂ O @ 75.0 L/ha (225L)	3.0		October Target: Spray Top		
Paraquat (Paraquat 250g/L)		0.40 L/ha		1.20 L	\$10 \$3.24
Uptake		@ 0.50 %		1.13 L	\$9 \$2.87

Chemical Total: \$133 44.37

Operations				\$	\$/ha
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Soil Tests	3.0 ha @ \$5.00/ha	5-6 Leaf Stage		\$15	\$5.00
Cartage (Fertiliser)	3.0 ha @ \$22.00/ha			\$66	\$22.00
Spreading	3.0 ha @ \$10.00/ha			\$30	\$10.00
Boomspray (4 times)	3.0 ha @ \$48.00/ha			\$144	\$48.00

Operations Total: \$255 85.00

Total Costs: \$1,316 438.81

Est Balansa Pasture (3.0 h			50.00		60.00		70.00		
			Break-Even	t/ha	7.31		6.27		
t/ha	t		\$/t	GM \$	GM \$/ha	GM \$	GM \$/ha	GM \$	GM \$/ha
Pess.	10.00	30.00	43.88	\$184	\$61.19	\$484	\$161.19	\$784	\$261.19
Exp.	11.00	33.00	39.89	\$334	\$111.19	\$664	\$221.19	\$994	\$331.19
Opt.	12.00	36.00	36.57	\$484	\$161.19	\$844	\$281.19	\$1,204	\$401.19

Paddock 41

23.0 ha

2021	2022	2023
Pasture Re-seed	Pasture	Est Balansa Pasture

Paddock 41

Crop / Variety	ha	Apply	Qty.	\$	\$/ha
Est Balansa Pasture ()	23.0	0.00 kg/ha	t		

Fertilisers	ha	Apply	Qty.	\$	\$/ha	
Super Phos Ex 41Se .2	23.0	150.00 kg/ha	Feb/Mar	3.45 t	\$2,795	\$121.50
Flexi N	23.0	50.00l/ha	June	1.52 t	\$1,729	\$75.17
Flexi N	23.0	75.00l/ha	July	2.28 t	\$2,594	\$112.76

kg/ha : 69.30N : 10.95P : 14.85K : 12.60S : 24.00Ca : 0.12Cu : 0.12Zn

Fertiliser Total: \$7,117 309.44

Chemicals	ha	Apply	Qty.	\$	\$/ha
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Mix 1 H ₂ O @ 75.0 L/ha (1,725L)	23.0		July Target: Broad/Narrow Leaf			
Simazine 900g/kg		0.50 kg/ha		11.50 kg	\$169	\$7.33
Ecopar (Pyraflufen 20g/L)		0.50 L/ha		11.50 L	\$518	\$22.50
MCPA 750 - Agritone (MCPA Amine 750g/L)		0.40 L/ha		9.20 L	\$115	\$4.98
Lemat (Omethoate 290g/L)		0.12 L/ha		2.76 L	\$79	\$3.46
Mix 2 H ₂ O @ 75.0 L/ha (1,725L)	23.0		October Target: Spray Top			
Paraquat (Paraquat 250g/L)		0.40 L/ha		9.20 L	\$75	\$3.24
Uptake		@ 0.50 %		8.63 L	\$66	\$2.87

Chemical Total: \$1,021 44.37

Operations				\$	\$/ha
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Soil Tests	23.0 ha @ \$5.00/ha	5-6 Leaf Stage		\$115	\$5.00
Cartage (Fertiliser)	23.0 ha @ \$22.00/ha			\$506	\$22.00
Spreading	23.0 ha @ \$10.00/ha			\$230	\$10.00
Boomspray (4 times)	23.0 ha @ \$48.00/ha			\$1,104	\$48.00

Operations Total: \$1,955 85.00

Total Costs: \$10,093 438.81

Est Balansa Pasture (23.0			50.00		60.00		70.00		
			Break-Even	t/ha	7.31		6.27		
t/ha	t		\$/t	GM \$	GM \$/ha	GM \$	GM \$/ha	GM \$	GM \$/ha
Pess.	10.00	230.00	43.88	\$1,407	\$61.19	\$3,707	\$161.19	\$6,007	\$261.19
Exp.	11.00	253.00	39.89	\$2,557	\$111.19	\$5,087	\$221.19	\$7,617	\$331.19
Opt.	12.00	276.00	36.57	\$3,707	\$161.19	\$6,467	\$281.19	\$9,227	\$401.19

Creek 48

5.0 ha

2022	2023
Pasture	Est Balansa Pasture

Creek 48

Crop / Variety	ha	Apply	Qty.	\$	\$/ha
Est Balansa Pasture ()	5.0	0.00 kg/ha	t		
Total Costs:				\$0	0.00

Creek Flats Nth

15.0 ha

2021	2022	2023
Pasture	Pasture	Est Balansa Pasture

Creek Flats Nth

Crop / Variety	ha	Apply	Qty.	\$	\$/ha
Est Balansa Pasture ()	15.0	0.00 kg/ha	t		
Total Costs:				\$0	0.00

Paddock 45

18.0 ha

2021	2022	2023
Pasture	Pasture	Est Balansa Pasture

Paddock 45

Crop / Variety	ha	Apply	Qty.	\$	\$/ha
Est Balansa Pasture ()	18.0	0.00 kg/ha	t		

Fertilisers	ha	Apply	Qty.	\$	\$/ha	
Super Phos Ex 41Se .2	18.0	150.00 kg/ha	Feb/Mar	2.70 t	\$2,187	\$121.50
Flexi N	18.0	50.00l/ha	June	1.19 t	\$1,353	\$75.17
Flexi N	18.0	75.00l/ha	July	1.78 t	\$2,030	\$112.76

kg/ha : 69.30N : 10.95P : 14.85K : 12.60S : 24.00Ca : 0.12Cu : 0.12Zn

Fertiliser Total: \$5,570 309.44

Chemicals	ha	Apply	Qty.	\$	\$/ha
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Mix 1 H ₂ O @ 75.0 L/ha (1,350L)	18.0		July Target: Broad/Narrow Leaf			
Simazine 900g/kg		0.50 kg/ha		9.00 kg	\$132	\$7.33
Ecopar (Pyraflufen 20g/L)		0.50 L/ha		9.00 L	\$405	\$22.50
MCPA 750 - Agritone (MCPA Amine 750g/L)		0.40 L/ha		7.20 L	\$90	\$4.98
Lemat (Omethoate 290g/L)		0.12 L/ha		2.16 L	\$62	\$3.46
Mix 2 H ₂ O @ 75.0 L/ha (1,350L)	18.0		October Target: Spray Top			
Paraquat (Paraquat 250g/L)		0.40 L/ha		7.20 L	\$58	\$3.24
Uptake		@ 0.50 %		6.75 L	\$52	\$2.87

Chemical Total: \$799 44.37

Operations			\$	\$/ha
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Soil Tests	18.0 ha @ \$5.00/ha	5-6 Leaf Stage	\$90	\$5.00
Cartage (Fertiliser)	18.0 ha @ \$22.00/ha		\$396	\$22.00
Spreading	18.0 ha @ \$10.00/ha		\$180	\$10.00
Boomspray (4 times)	18.0 ha @ \$48.00/ha		\$864	\$48.00

Operations Total: \$1,530 85.00

Total Costs: \$7,899 438.81

Est Balansa Pasture (18.0			50.00		60.00		70.00		
			Break-Even	t/ha	7.31		6.27		
			\$/t		GM \$	GM \$/ha	GM \$	GM \$/ha	
Pess.	10.00	180.00	43.88	\$1,101	\$61.19	\$2,901	\$161.19	\$4,701	\$261.19
Exp.	11.00	198.00	39.89	\$2,001	\$111.19	\$3,981	\$221.19	\$5,961	\$331.19
Opt.	12.00	216.00	36.57	\$2,901	\$161.19	\$5,061	\$281.19	\$7,221	\$401.19

Paddock 46

19.0 ha

2021	2022	2023
Pasture	Pasture	Est Balansa Pasture

Paddock 46

Crop / Variety	ha	Apply	Qty.	\$	\$/ha
Est Balansa Pasture ()	19.0	0.00 kg/ha	t		

Fertilisers	ha	Apply	Qty.	\$	\$/ha	
Super Phos Ex 41Se .2	19.0	150.00 kg/ha	Feb/Mar	2.85 t	\$2,309	\$121.50
Flexi N	19.0	50.00l/ha	June	1.25 t	\$1,428	\$75.17
Flexi N	19.0	75.00l/ha	July	1.88 t	\$2,142	\$112.76

kg/ha : 69.30N : 10.95P : 14.85K : 12.60S : 24.00Ca : 0.12Cu : 0.12Zn

Fertiliser Total: **\$5,879** **309.44**

Chemicals	ha	Apply	Qty.	\$	\$/ha
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Mix 1 H ₂ O @ 75.0 L/ha (1,425L)	19.0		July Target: Broad/Narrow Leaf			
Simazine 900g/kg		0.50 kg/ha		9.50 kg	\$139	\$7.33
Ecopar (Pyraflufen 20g/L)		0.50 L/ha		9.50 L	\$428	\$22.50
MCPA 750 - Agritone (MCPA Amine 750g/L)		0.40 L/ha		7.60 L	\$95	\$4.98
Lemat (Omethoate 290g/L)		0.12 L/ha		2.28 L	\$66	\$3.46
Mix 2 H ₂ O @ 75.0 L/ha (1,425L)	19.0		October Target: Spray Top			
Paraquat (Paraquat 250g/L)		0.40 L/ha		7.60 L	\$62	\$3.24
Uptake		@ 0.50 %		7.13 L	\$55	\$2.87

Chemical Total: **\$843** **44.37**

Operations			\$	\$/ha
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Soil Tests	19.0 ha @ \$5.00/ha	5-6 Leaf Stage	\$95	\$5.00
Cartage (Fertiliser)	19.0 ha @ \$22.00/ha		\$418	\$22.00
Spreading	19.0 ha @ \$10.00/ha		\$190	\$10.00
Boomspray (4 times)	19.0 ha @ \$48.00/ha		\$912	\$48.00

Operations Total: **\$1,615** **85.00**

Total Costs: **\$8,337** **438.81**

Est Balansa Pasture (19.0			50.00		60.00		70.00	
			Break-Even	t/ha	7.31		6.27	
			\$/t		GM \$	GM \$/ha	GM \$	GM \$/ha
Pess.	10.00	190.00	43.88		\$1,163	\$61.19	\$3,063	\$161.19
Exp.	11.00	209.00	39.89		\$2,113	\$111.19	\$4,203	\$221.19
Opt.	12.00	228.00	36.57		\$3,063	\$161.19	\$5,343	\$281.19

Paddock 48

24.0 ha

Paddock 48

2021	2022	2023
Pasture	Pasture	Est Balansa Pasture

Crop / Variety	ha	Apply	Qty.	\$	\$/ha
Est Balansa Pasture ()	24.0	0.00 kg/ha	t		

Fertilisers	ha	Apply	Qty.	\$	\$/ha	
Super Phos Ex 41Se .2	24.0	150.00 kg/ha	Feb/Mar	3.60 t	\$2,916	\$121.50
Flexi N	24.0	50.00 l/ha	June	1.58 t	\$1,804	\$75.17
Flexi N	24.0	75.00 l/ha	July	2.38 t	\$2,706	\$112.76

kg/ha : 69.30N : 10.95P : 14.85K : 12.60S : 24.00Ca : 0.12Cu : 0.12Zn

Fertiliser Total: **\$7,426** **309.44**

Chemicals	ha	Apply	Qty.	\$	\$/ha
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Mix 1 H ₂ O @ 75.0 L/ha (1,800L)	24.0		July Target: Broad/Narrow Leaf			
Simazine 900g/kg		0.50 kg/ha		12.00 kg	\$176	\$7.33
Ecopar (Pyraflufen 20g/L)		0.50 L/ha		12.00 L	\$540	\$22.50
MCPA 750 - Agritone (MCPA Amine 750g/L)		0.40 L/ha		9.60 L	\$120	\$4.98
Lemat (Omethoate 290g/L)		0.12 L/ha		2.88 L	\$83	\$3.46
Mix 2 H ₂ O @ 75.0 L/ha (1,800L)	24.0		October Target: Spray Top			
Paraquat (Paraquat 250g/L)		0.40 L/ha		9.60 L	\$78	\$3.24
Uptake		@ 0.50 %		9.00 L	\$69	\$2.87

Chemical Total: **\$1,065** **44.37**

Operations				\$	\$/ha
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Soil Tests	24.0	ha @ \$5.00/ha	5-6 Leaf Stage	\$120	\$5.00
Cartage (Fertiliser)	24.0	ha @ \$22.00/ha		\$528	\$22.00
Spreading	24.0	ha @ \$10.00/ha		\$240	\$10.00
Boomspray (4 times)	24.0	ha @ \$48.00/ha		\$1,152	\$48.00

Operations Total: **\$2,040** **85.00**

Total Costs: \$10,531 438.81

Est Balansa Pasture (24.0			50.00		60.00		70.00		
			Break-Even	t/ha	7.31		6.27		
t/ha	t	\$/t			GM \$	GM \$/ha	GM \$	GM \$/ha	
Pess.	10.00	240.00	43.88	\$1,469	\$61.19	\$3,869	\$161.19	\$6,269	\$261.19
Exp.	11.00	264.00	39.89	\$2,669	\$111.19	\$5,309	\$221.19	\$7,949	\$331.19
Opt.	12.00	288.00	36.57	\$3,869	\$161.19	\$6,749	\$281.19	\$9,629	\$401.19

Paddock 50

19.0 ha

2021	2022	2023
Pasture	Pasture	Est Balansa Pasture

Paddock 50

Crop / Variety	ha	Apply	Qty.	\$	\$/ha
Est Balansa Pasture ()	19.0	0.00 kg/ha	t		

Fertilisers	ha	Apply	Qty.	\$	\$/ha	
Super Phos Ex 41Se .2	19.0	150.00 kg/ha	Feb/Mar	2.85 t	\$2,309	\$121.50
Flexi N	19.0	50.00l/ha	June	1.25 t	\$1,428	\$75.17
Flexi N	19.0	75.00l/ha	July	1.88 t	\$2,142	\$112.76

kg/ha : 69.30N : 10.95P : 14.85K : 12.60S : 24.00Ca : 0.12Cu : 0.12Zn

Fertiliser Total: **\$5,879** **309.44**

Chemicals	ha	Apply	Qty.	\$	\$/ha
Mix 1 H ₂ O @ 75.0 L/ha (1,425L)	19.0		July Target: Broad/Narrow Leaf		
Simazine 900g/kg		0.50 kg/ha	9.50 kg	\$139	\$7.33
Ecopar (Pyraflufen 20g/L)		0.50 L/ha	9.50 L	\$428	\$22.50
MCPA 750 - Agritone (MCPA Amine 750g/L)		0.40 L/ha	7.60 L	\$95	\$4.98
Lemat (Omethoate 290g/L)		0.12 L/ha	2.28 L	\$66	\$3.46
Mix 2 H ₂ O @ 75.0 L/ha (1,425L)	19.0		October Target: Spray Top		
Paraquat (Paraquat 250g/L)		0.40 L/ha	7.60 L	\$62	\$3.24
Uptake		@ 0.50 %	7.13 L	\$55	\$2.87

Chemical Total: **\$843** **44.37**

Operations	ha	Apply	Qty.	\$	\$/ha
Soil Tests	19.0	ha @ \$5.00/ha	5-6 Leaf Stage	\$95	\$5.00
Cartage (Fertiliser)	19.0	ha @ \$22.00/ha		\$418	\$22.00
Spreading	19.0	ha @ \$10.00/ha		\$190	\$10.00
Boomspray (4 times)	19.0	ha @ \$48.00/ha		\$912	\$48.00

Operations Total: **\$1,615** **85.00**

Total Costs: **\$8,337** **438.81**

Est Balansa Pasture (19.0			50.00		60.00		70.00		
			Break-Even	t/ha	7.31		6.27		
t/ha	t	\$/t	GM \$	GM \$/ha	GM \$	GM \$/ha	GM \$	GM \$/ha	
Pess.	10.00	190.00	43.88	\$1,163	\$61.19	\$3,063	\$161.19	\$4,963	\$261.19
Exp.	11.00	209.00	39.89	\$2,113	\$111.19	\$4,203	\$221.19	\$6,293	\$331.19
Opt.	12.00	228.00	36.57	\$3,063	\$161.19	\$5,343	\$281.19	\$7,623	\$401.19

Creek Flats Sth

12.8 ha

2021	2022	2023
Pasture	Pasture	Est Balansa Pasture

Creek Flats Sth

Crop / Variety	ha	Apply	Qty.	\$	\$/ha
Est Balansa Pasture ()	12.8	0.00 kg/ha	t		
Total Costs:				\$0	0.00

Paddock 6A

1.5 ha

2022	2023
Pasture Hay	Pasture Hay

Paddock 6A

Crop / Variety	ha	Apply	Qty.	\$	\$/ha
Pasture Hay (BBAS Pasture Mix)	1.5	25.00 kg/ha	0.04 t	\$214	\$142.50

Fertilisers	ha	Apply	Qty.	\$	\$/ha	
Macro Pro Boost 80 AgMn 20	1.5	140.00 kg/ha	At sowing	0.21 t	\$299	\$199.08
Urea 60 MOP 40	1.5	180.00 kg/ha	3-4 leaf stage	0.27 t	\$366	\$243.90
Flexi N	1.5	100.00 l/ha	Early tillering	0.20 t	\$226	\$150.35

kg/ha : 119.46N : 21.17P : 42.36K : 8.85S : 0.14Cu : 0.28Zn

Fertiliser Total: \$890 593.33

Chemicals	ha	Apply	Qty.	\$	\$/ha
Mix 1 H ₂ O @ 75.0 L/ha (113L)	1.5		Knockdown		
Goal (Oxyfluorfen 240g/L)		0.10L/ha	0.15 L	\$2	\$1.45
Alpha Forte (Alpha Cypermethrin 250g/L SC)		0.05L/ha	0.08 L	\$1	\$0.90
Dimethoate 400g/L		0.10L/ha	0.15 L	\$2	\$1.58
Glyphosate 450g/L		2.00L/ha	3.00 L	\$32	\$21.50
AMS (Sulphate of Ammonia)		@ 1.00%	1.13 Kg	\$1	\$0.75
LI 700		@ 0.20%	0.23 L	\$1	\$0.92

Mix 2 H ₂ O @ 75.0 L/ha (113L)	1.5		Bare earth spray - PSPE		
Bifenthrin (Bifenthrin 300g/L) 20L		0.07L/ha	0.11 L	\$4	\$2.45
Chlorpyrifos 500g/L EC		0.50L/ha	0.75 L	\$8	\$5.65
LI 700		@ 0.20%	0.23 L	\$1	\$0.92

Mix 3 H ₂ O @ 75.0 L/ha (113L)	1.5		5-6 Leaf Stage Target: Trace Elements		
Ezyflow Zinc/Man		0.50L/ha	0.75 L	\$9	\$6.00
Ezyflow Copper		0.25L/ha	0.38 L	\$6	\$4.25

Mix 4 H ₂ O @ 75.0 L/ha (113L)	1.5		Early tillering Target: Broad Leaf		
Ecopar (Pyraflufen 20g/L)		0.50L/ha	0.75 L	\$32	\$21.28
MCPA 750 - Agritone (MCPA Amine 750g/L)		0.40L/ha	0.60 L	\$7	\$4.98
Lemat (Omethoate 290g/L)		0.12L/ha	0.18 L	\$5	\$3.46

Chemical Total: \$114 76.08

Total Costs: \$1,218 811.91

Pasture Hay (1.5 ha)			150.00		170.00		200.00	
t/ha	t	Break-Even \$/t	t/ha	GM \$	GM \$/ha	t/ha	GM \$	GM \$/ha
Pess.	8.00	12.00	101.49	\$582	\$388.09		\$822	\$548.09
Exp.	9.00	13.50	90.21	\$807	\$538.09		\$1,077	\$718.09
Opt.	10.00	15.00	81.19	\$1,032	\$688.09		\$1,332	\$888.09

Paddock 15A

15.0 ha

2022	2023
Pasture Hay	Pasture Hay

Paddock 15A

Crop / Variety	ha	Apply	Qty.	\$	\$/ha
Pasture Hay (BBAS Pasture Mix)	15.0	25.00 kg/ha	0.38 t	\$2,138	\$142.50

Fertilisers	ha	Apply	Qty.	\$	\$/ha	
Macro Pro Boost 80 AgMn 20	15.0	140.00 kg/ha	At sowing	2.10 t	\$2,986	\$199.08
Urea 60 MOP 40	15.0	180.00 kg/ha	3-4 leaf stage	2.70 t	\$3,659	\$243.90
Flexi N	15.0	100.00 l/ha	Early tillering	1.98 t	\$2,255	\$150.35

kg/ha : 119.46N : 21.17P : 42.36K : 8.85S : 0.14Cu : 0.28Zn

Fertiliser Total: \$8,900 593.33

Chemicals	ha	Apply	Qty.	\$	\$/ha
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Mix 1 H ₂ O @ 75.0 L/ha (1,125L)	15.0		Knockdown		
Goal (Oxyfluorfen 240g/L)		0.10L/ha	1.50 L	\$22	\$1.45
Alpha Forte (Alpha Cypermethrin 250g/L SC)		0.05L/ha	0.75 L	\$13	\$0.90
Dimethoate 400g/L		0.10L/ha	1.50 L	\$24	\$1.58
Glyphosate 450g/L		2.00L/ha	30.00 L	\$323	\$21.50
AMS (Sulphate of Ammonia)		@ 1.00%	11.25 Kg	\$11	\$0.75
LI 700		@ 0.20%	2.25 L	\$14	\$0.92

Mix 2 H ₂ O @ 75.0 L/ha (1,125L)	15.0		Bare earth spray - PSPE		
Bifenthrin (Bifenthrin 300g/L) 20L		0.07L/ha	1.05 L	\$37	\$2.45
Chlorpyrifos 500g/L EC		0.50L/ha	7.50 L	\$85	\$5.65
LI 700		@ 0.20%	2.25 L	\$14	\$0.92

Mix 3 H ₂ O @ 75.0 L/ha (1,125L)	15.0		5-6 Leaf Stage Target: Trace Elements		
Ezyflow Zinc/Man		0.50L/ha	7.50 L	\$90	\$6.00
Ezyflow Copper		0.25L/ha	3.75 L	\$64	\$4.25

Mix 4 H ₂ O @ 75.0 L/ha (1,125L)	15.0		Early tillering Target: Broad Leaf		
Ecopar (Pyraflufen 20g/L)		0.50L/ha	7.50 L	\$319	\$21.28
MCPA 750 - Agritone (MCPA Amine 750g/L)		0.40L/ha	6.00 L	\$75	\$4.98
Lemat (Omethoate 290g/L)		0.12L/ha	1.80 L	\$52	\$3.46

Chemical Total: \$1,141 76.08

Total Costs: \$12,179 811.91

Pasture Hay (15.0 ha)			150.00		170.00		200.00		
t/ha	t	Break-Even \$/t	t/ha	GM \$/ha	GM \$	GM \$/ha	GM \$	GM \$/ha	
Pess.	8.00	120.00	101.49	\$5,821	\$388.09	\$8,221	\$548.09	\$11,821	\$788.09
Exp.	9.00	135.00	90.21	\$8,071	\$538.09	\$10,771	\$718.09	\$14,821	\$988.09
Opt.	10.00	150.00	81.19	\$10,321	\$688.09	\$13,321	\$888.09	\$17,821	\$1,188.09

Paddock 51A

4.0 ha

2022	2023
Pasture Hay	Pasture Hay

Paddock 51A

Crop / Variety	ha	Apply	Qty.	\$	\$/ha
Pasture Hay (BBAS Pasture Mix)	4.0	25.00 kg/ha	0.10 t	\$570	\$142.50

Fertilisers	ha	Apply	Qty.	\$	\$/ha	
Macro Pro Boost 80 AgMn 20	4.0	140.00 kg/ha	At sowing	0.56 t	\$796	\$199.08
Urea 60 MOP 40	4.0	180.00 kg/ha	3-4 leaf stage	0.72 t	\$976	\$243.90
Flexi N	4.0	100.00 l/ha	Early tillering	0.53 t	\$601	\$150.35

kg/ha : 119.46N : 21.17P : 42.36K : 8.85S : 0.14Cu : 0.28Zn

Fertiliser Total: \$2,373 593.33

Chemicals	ha	Apply	Qty.	\$	\$/ha
Mix 1 H ₂ O @ 75.0 L/ha (300L)	4.0		Knockdown		
Goal (Oxyfluorfen 240g/L)		0.10L/ha	0.40 L	\$6	\$1.45
Alpha Forte (Alpha Cypermethrin 250g/L SC)		0.05L/ha	0.20 L	\$4	\$0.90
Dimethoate 400g/L		0.10L/ha	0.40 L	\$6	\$1.58
Glyphosate 450g/L		2.00L/ha	8.00 L	\$86	\$21.50
AMS (Sulphate of Ammonia)		@ 1.00%	3.00 Kg	\$3	\$0.75
LI 700		@ 0.20%	0.60 L	\$4	\$0.92
Mix 2 H ₂ O @ 75.0 L/ha (300L)	4.0		Bare earth spray - PSPE		
Bifenthrin (Bifenthrin 300g/L) 20L		0.07L/ha	0.28 L	\$10	\$2.45
Chlorpyrifos 500g/L EC		0.50L/ha	2.00 L	\$23	\$5.65
LI 700		@ 0.20%	0.60 L	\$4	\$0.92
Mix 3 H ₂ O @ 75.0 L/ha (300L)	4.0		5-6 Leaf Stage Target:		
			Trace Elements		
Ezyflow Zinc/Man		0.50L/ha	2.00 L	\$24	\$6.00
Ezyflow Copper		0.25L/ha	1.00 L	\$17	\$4.25
Mix 4 H ₂ O @ 75.0 L/ha (300L)	4.0		Early tillering Target:		
			Broad Leaf		
Ecopar (Pyraflufen 20g/L)		0.50L/ha	2.00 L	\$85	\$21.28
MCPA 750 - Agritone (MCPA Amine 750g/L)		0.40L/ha	1.60 L	\$20	\$4.98
Lemat (Omethoate 290g/L)		0.12L/ha	0.48 L	\$14	\$3.46

Chemical Total: \$304 76.08

Total Costs: \$3,248 811.91

Pasture Hay (4.0 ha)			150.00		170.00		200.00		
t/ha	t	Break-Even \$/t	t/ha 5.41	GM \$	GM \$/ha	t/ha 4.78	GM \$	GM \$/ha	
Pess.	8.00	32.00	101.49	\$1,552	\$388.09	\$2,192	\$548.09	\$3,152	\$788.09
Exp.	9.00	36.00	90.21	\$2,152	\$538.09	\$2,872	\$718.09	\$3,952	\$988.09
Opt.	10.00	40.00	81.19	\$2,752	\$688.09	\$3,552	\$888.09	\$4,752	\$1,188.09

Paddock 33

22.0 ha

2021	2022	2023
Barley Malting	Canola TT Hybrid	Sown Ryegrass

Paddock 33

Crop / Variety	ha	Apply	Qty.	\$	\$/ha
Sown Ryegrass (BBFS Pasture Mix)	22.0	25.00 kg/ha	0.55 t	\$3,135	\$142.50
Barley Planet Planet		50.00 kg/ha	1.10 T	\$660	\$30.00
<i>Seeding Total:</i>				\$3,795	\$172.50

Fertilisers	ha	Apply	Qty.	\$	\$/ha	
Macro Pro Boost 80 AgMn 20	22.0	140.00 kg/ha	At sowing	3.08 t	\$4,380	\$199.08
Urea 60 MOP 40	22.0	120.00 kg/ha	3-4 leaf stage	2.64 t	\$3,577	\$162.60
Flexi N	22.0	100.00 l/ha	Early tillering	2.90 t	\$3,308	\$150.35
kg/ha : 102.90N : 21.17P : 30.48K : 8.85S : 0.14Cu : 0.28Zn						
<i>Fertiliser Total:</i>				\$11,265	\$512.03	

Chemicals	ha	Apply	Qty.	\$	\$/ha
Mix 1 H ₂ O @ 75.0 L/ha (0L)	0.0		Knockdown		
Goal (Oxyfluorfen 240g/L)		0.10L/ha	L		
Alpha Forte (Alpha Cypermethrin 250g/L SC)		0.05L/ha	L		
Dimethoate 400g/L		0.10L/ha	L		
Glyphosate 450g/L		2.00L/ha	L		
AMS (Sulphate of Ammonia)		@ 1.00%	Kg		
LI 700		@ 0.20%	L		
Mix 2 H ₂ O @ 75.0 L/ha (0L)	0.0		Bare earth spray - PSPE		
Bifenthrin (Bifenthrin 300g/L) 20L		0.07L/ha	L		
Chlorpyrifos 500g/L EC		0.50L/ha	L		
LI 700		@ 0.20%	L		
Mix 3 H ₂ O @ 75.0 L/ha (0L)	0.0		5-6 Leaf Stage Target: Trace Element		
Ezyflow Zinc/Man		0.50L/ha	L		
Ezyflow Copper		0.25L/ha	L		
Mix 4 H ₂ O @ 75.0 L/ha (0L)	0.0		Early tillering Target: Broad Leaf		
Ecopar (Pyraflufen 20g/L)		0.50L/ha	L		
MCPA 750 - Agritone (MCPA Amine 750g/L)		0.40L/ha	L		
Lemat (Omethoate 290g/L)		0.12L/ha	L		
<i>Chemical Total:</i>					0.00

Operations	ha	Apply	Qty.	\$	\$/ha
Soil Tests	0.0	ha @ \$5.00/ha			
Cartage (Fertiliser)	0.0	ha @ \$22.00/ha			
Spreading	0.0	ha @ \$10.00/ha			
Boomspray (5 times)	0.0	ha @ \$60.00/ha			
<i>Operations Total:</i>					0.00

Total Costs: \$15,060 684.53

Sown Ryegrass (22.0 ha)			80.00		90.00		100.00		
			Break-Even	t/ha	7.61		6.85		
			\$/t		8.56				
	t/ha	t		GM \$	GM \$/ha	GM \$	GM \$/ha	GM \$	GM \$/ha
Pess.	10.00	220.00	68.45	\$2,540	\$115.47	\$4,740	\$215.47	\$6,940	\$315.47
Exp.	11.00	242.00	62.23	\$4,300	\$195.47	\$6,720	\$305.47	\$9,140	\$415.47
Opt.	12.00	264.00	57.04	\$6,060	\$275.47	\$8,700	\$395.47	\$11,340	\$515.47

Ram

5.0 ha

Ram

2021	2022	2023
Pasture	Raphno Kale	Sown Ryegrass

Crop / Variety	ha	Apply	Qty.	\$	\$/ha
Sown Ryegrass (BBFS Pasture Mix)	5.0	25.00 kg/ha	0.13 t	\$713	\$142.50
Bennett Wheat Bennett Wheat		50.00 kg/ha	0.25 T	\$400	\$80.00
<i>Seeding Total:</i>				\$1,113	\$222.50

Fertilisers	ha	Apply	Qty.	\$	\$/ha
Macro Pro Boost 80 AgMn 20	5.0	140.00 kg/ha	At sowing 0.70 t	\$995	\$199.08
Urea 60 MOP 40	5.0	120.00 kg/ha	3-4 leaf stage 0.60 t	\$813	\$162.60
Flexi N	5.0	100.00 l/ha	Early tillering 0.66 t	\$752	\$150.35
kg/ha : 102.90N : 21.17P : 30.48K : 8.85S : 0.14Cu : 0.28Zn					
<i>Fertiliser Total:</i>				\$2,560	\$512.03

Chemicals	ha	Apply	Qty.	\$	\$/ha
Mix 1 H ₂ O @ 75.0 L/ha (0L)	0.0		Knockdown		
Goal (Oxyfluorfen 240g/L)		0.10L/ha	L		
Alpha Forte (Alpha Cypermethrin 250g/L SC)		0.05L/ha	L		
Dimethoate 400g/L		0.10L/ha	L		
Glyphosate 450g/L		2.00L/ha	L		
AMS (Sulphate of Ammonia)		@ 1.00%	Kg		
LI 700		@ 0.20%	L		
Mix 2 H ₂ O @ 75.0 L/ha (0L)	0.0		Bare earth spray - PSPE		
Bifenthrin (Bifenthrin 300g/L) 20L		0.07L/ha	L		
Chlorpyrifos 500g/L EC		0.50L/ha	L		
LI 700		@ 0.20%	L		
Mix 3 H ₂ O @ 75.0 L/ha (0L)	0.0		5-6 Leaf Stage Target: Trace Elements		
Ezyflow Zinc/Man		0.50L/ha	L		
Ezyflow Copper		0.25L/ha	L		
Mix 4 H ₂ O @ 75.0 L/ha (0L)	0.0		Early tillering Target: Broad Leaf		
Ecopar (Pyraflufen 20g/L)		0.50L/ha	L		
MCPA 750 - Agritone (MCPA Amine 750g/L)		0.40L/ha	L		
Lemat (Omethoate 290g/L)		0.12L/ha	L		
<i>Chemical Total:</i>					0.00

Operations	ha	Apply	Qty.	\$	\$/ha
Soil Tests	0.0	ha @ \$5.00/ha			
Cartage (Fertiliser)	0.0	ha @ \$22.00/ha			
Spreading	0.0	ha @ \$10.00/ha			
Boomspray (5 times)	0.0	ha @ \$60.00/ha			
<i>Operations Total:</i>					0.00

Total Costs: \$3,673 734.53

Sown Ryegrass (5.0 ha)			80.00		90.00		100.00		
			Break-Even	t/ha	t/ha		t/ha		
			\$/t	9.18	8.16		7.35		
	t/ha	t		GM \$	GM \$/ha	GM \$	GM \$/ha	GM \$	GM \$/ha
Pess.	10.00	50.00	73.45	\$327	\$65.47	\$827	\$165.47	\$1,327	\$265.47
Exp.	11.00	55.00	66.78	\$727	\$145.47	\$1,277	\$255.47	\$1,827	\$365.47
Opt.	12.00	60.00	61.21	\$1,127	\$225.47	\$1,727	\$345.47	\$2,327	\$465.47

Paddock 39

10.0 ha

2021	2022	2023
Pasture	Pasture	Sown Ryegrass

Paddock 39

Crop / Variety	ha	Apply	Qty.	\$	\$/ha
Sown Ryegrass (BBFS Pasture Mix)	10.0	25.00 kg/ha	0.25 t	\$1,425	\$142.50
Bennett Wheat Bennett Wheat		50.00 kg/ha	0.50 T	\$800	\$80.00
<i>Seeding Total:</i>				\$2,225	\$222.50

Fertilisers	ha	Apply	Qty.	\$	\$/ha	
Macro Pro Boost 80 AgMn 20	10.0	140.00 kg/ha	At sowing	1.40 t	\$1,991	\$199.08
Urea 60 MOP 40	10.0	120.00 kg/ha	3-4 leaf stage	1.20 t	\$1,626	\$162.60
Flexi N	10.0	100.00 l/ha	Early tillering	1.32 t	\$1,503	\$150.35
kg/ha : 102.90N : 21.17P : 30.48K : 8.85S : 0.14Cu : 0.28Zn						
<i>Fertiliser Total:</i>				\$5,120	512.03	

Chemicals	ha	Apply	Qty.	\$	\$/ha
Mix 1 H ₂ O @ 75.0 L/ha (750L)	10.0		Knockdown		
Goal (Oxyfluorfen 240g/L)		0.10L/ha	1.00 L	\$15	\$1.45
Alpha Forte (Alpha Cypermethrin 250g/L SC)		0.05L/ha	0.50 L	\$9	\$0.90
Dimethoate 400g/L		0.10L/ha	1.00 L	\$16	\$1.58
Glyphosate 450g/L		2.00L/ha	20.00 L	\$215	\$21.50
AMS (Sulphate of Ammonia)		@ 1.00%	7.50 Kg	\$8	\$0.75
LI 700		@ 0.20%	1.50 L	\$9	\$0.92
Mix 2 H ₂ O @ 75.0 L/ha (750L)	10.0		Bare earth spray - PSPE		
Bifenthrin (Bifenthrin 300g/L) 20L		0.07L/ha	0.70 L	\$25	\$2.45
Chlorpyrifos 500g/L EC		0.50L/ha	5.00 L	\$57	\$5.65
LI 700		@ 0.20%	1.50 L	\$9	\$0.92
Mix 3 H ₂ O @ 75.0 L/ha (750L)	10.0		5-6 Leaf Stage Target: Trace Elements		
Ezyflow Zinc/Man		0.50L/ha	5.00 L	\$60	\$6.00
Ezyflow Copper		0.25L/ha	2.50 L	\$43	\$4.25
Mix 4 H ₂ O @ 75.0 L/ha (750L)	10.0		Early tillering Target: Broad Leaf		
Ecopar (Pyraflufen 20g/L)		0.50L/ha	5.00 L	\$213	\$21.28
MCPA 750 - Agritone (MCPA Amine 750g/L)		0.40L/ha	4.00 L	\$50	\$4.98
Lemat (Omethoate 290g/L)		0.12L/ha	1.20 L	\$35	\$3.46
<i>Chemical Total:</i>				\$761	76.08

Operations			\$	\$/ha	
Soil Tests	10.0	ha @ \$5.00/ha	\$50	\$5.00	
Cartage (Fertiliser)	10.0	ha @ \$22.00/ha	\$220	\$22.00	
Spreading	10.0	ha @ \$10.00/ha	\$100	\$10.00	
Boomspray (5 times)	10.0	ha @ \$60.00/ha	\$600	\$60.00	
<i>Operations Total:</i>				\$970	97.00
Total Costs:				\$9,076	907.61

Sown Ryegrass (10.0 ha)			80.00		90.00		100.00		
			Break-Even \$/t	t/ha 11.35	GM \$	GM \$/ha	GM \$	GM \$/ha	GM \$
t/ha		t							
Pess.	10.00	100.00	90.76	\$-1,076	\$-107.61	\$-76	\$-7.61	\$924	\$92.39
Exp.	11.00	110.00	82.51	\$-276	\$-27.61	\$824	\$82.39	\$1,924	\$192.39
Opt.	12.00	120.00	75.63	\$524	\$52.39	\$1,724	\$172.39	\$2,924	\$292.39

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Dear Marc and Erlanda,

Herewith the Standard analysis results for the Pasture hay sample along with the 12 x Mineral elements. All results are reported on a Dry Matter (DM) basis, except DM which is reported on as-received basis.

Attribute	Pasture hay
Dry Matter (% as received)	90.9
Crude Protein (CP, %)	6.8
Acid Detergent Fibre (ADF, %)	38.4
Digestible Dry Matter (DDM, %)	53.4
Metabolisable Energy (ME, MJ/kg)	7.6
Neutral Detergent Fibre (NDF, %)	65.4
Water Soluble Carbohydrates (WSC %)	11.3
Phosphorus (P, g/kg)	1.3
Potassium (K, g/kg)	7.7
Sulphur (S, g/kg)	1.3
Sodium (Na, g/kg)	5.1
Calcium (Ca, g/kg)	4.6
Magnesium (Mg, g/kg)	1.5
Chloride (Cl, g/kg)	5.9
Copper (Cu, mg/kg)	4
Zinc (Zn, mg/kg)	14
Manganese (Mn, mg/kg)	49
Iron (Fe, mg/kg)	294
Boron (B, mg/kg)	6

CP = Crude Protein - The amount of true protein and non-protein-nitrogen in a feed and ultimately provides the building blocks of the body, the amino acids. CP is calculated as Nitrogen content x 6.25.

ADF = Acid Detergent Fibre - The residue that remains after extraction of plant material with an acid detergent solution. ADF gives an indication of the fibre material that may be indigestible to ruminants.

DDM = Digestible Dry Matter - The difference between the DM consumed and the DM excreted in the faeces, expressed as a percentage of the DM consumed.

ME = Metabolisable Energy - The energy in the feed available to the animal to maintain body activity, growth & lactation. ME is calculated from DDM and is expressed as Mega Joules (MJ) per kg DM.

NDF = Neutral Detergent Fibre - The residue remaining after extraction of plant material with a neutral detergent solution - mainly cell wall material that provides "rumen-fill" when forage/roughage is eaten.

WSC = Water Soluble Carbohydrates - The readily fermentable plant sugars that are extracted by water solutions. WSC is a palatability attribute for livestock and good levels enhance the acceptance of hays.

The CP at this level should be adequate to meet the maintenance requirements of mature stock and this modest CP probably reflects there was a fair amount of Biomass when the grass dominant pasture was cut, the impact of the long 2022 growing season along with the N status of the soil. The ADF and NDF values are quite high reflecting the stem material in the sample and these fibre attributes will have acted to lower the DDM and ME to these fairly modest values with only a very minor positive contribution from the WSC at this quite low level. The staining of the stem material suggests the pasture was rained-on during conservation and this would help account for the quite low WSC value as a result of leaching. This hay, being fibrous and with the WSC at this quite low level, may not be readily consumed by some sheep. Animals should not be forced to eat hay that is severely weather damaged. Sheep being fed this hay would be best supplemented with Lupins plus an appropriate Mineral/Vitamin Mix to raise the intake of CP and ME and make-good any deficits in Minerals and Vitamins. The appropriate Minerals and Vitamins would be supplied by the MMM-Sheep Product that is available in Bulker Bags from Macco Feeds at Williams (Tel: 08-98851222). A Probiotic I have been working with for the past four years can also be included in the MMM-Sheep Product for an additional cost. We now have good evidence that this Probiotic is particularly effective to increase the utilization of low-quality, fibrous diets by sheep and cattle as well as conferring a number of health and welfare benefits to the animals.

With respect to the Macro Minerals the levels of Phosphorus and Sulphur are fairly low, but the deficits in these Mineral elements would be made-good if this Hay was consumed in conjunction with Lupins and the MMM-Sheep Product. Although reasonably high, most of the Sodium is likely to be as Sodium Chloride while the levels of Potassium and Magnesium are Ok for most classes of sheep. Calcium is at a reasonable level and any extra Calcium needed would be supplied by the MMM-Sheep Product. The levels of Copper and Zinc are quite low with both of these Trace Minerals at levels only adequate for maintenance of sheep. The MMM-Sheep Product would adequately supply the required supplemental levels of these Trace minerals plus other requisite Macro Minerals at the recommended intake of around 200 g/hd/week for most classes of sheep. The levels of Iron and Magnesium are more than adequate for most classes of sheep.

Kind regards and best wishes,

Dr John T.B. Milton

Order of the Crown of Thailand, BAgrSci(Hons), PhD.

Please Note: Due care and attention is taken in providing these professional comments, but no responsibility is accepted for any inappropriate action taken in response to these comments.

Budget Comparison - Rylington Park: July 2022 - January 2023

	<u>Actual</u>			<u>Budget</u>			<u>Difference</u>			<u>Year's Budget</u>	
	\$	Qty		\$	Qty		\$	Qty			
Sheep income											
Sheep Sales	254,018	2,304	hd	288410	2254	hd	-34392	50	hd	304010	
Wool sales	127,514	11843	kg	80750	8500	kg	46764	3343	kg	194750	
	381,532			369160			12372			498760	
Sheep expenses											
Stock Contracting	19602			14600			5002			17500	Advanced shearing school \$4900 for shearing
Stock Feedstuffs	10958			9500			1458			33100	Lupins
Stock Selling Costs	16131			17400			-1269			18350	
Wool Selling Costs	6309			4080			2229			9840	
Purchase- Sheep	17300	12	hd	28800	18	hd	-11500			28800	
Stock expenses	28177			16900			11277			34500	includes capsules for 2023
Sheep freight	2850			9200			-6350			9850	
Wool Freight	1170			1500			-330			2060	
	102497			101980			517			154000	
Total Sheep enterprize	279035			267180			11855			344760	
Cropping income											
Canola sales	231405	254	t	149803	182	t	81602	72	t	149803	
Barley sales	26821	87	t				26821	87	t		
	258226			149803			108423			149803	
Cropping expenses											
Chemicals	7625	-		14000	-		-6375			40000	
Crop Selling Expenses	7772			5908			1864			9183	
Fertilizer	32907			25482			7426			139220	
Seed cleaning	3427						3427			2560	
Seed Costs	660						660			8000	
Crop Contracting	11491			22675			-11184			38546	
Cropping Freight	1105			7610			-6505			13110	
	64987			75675			-10687			250619	
Total Cropping enterprize	193239			74128			119110			-100816	

	<u>Actual</u>		<u>Budget</u>		<u>Difference</u>	<u>Year's</u>	<u>Budget</u>	
	\$	Qty	\$	Qty	\$	Qty		
Shearing schools income								
Shearing School Contract	62317		93679		-31362		145578	January outstanding
Shearing school expenses								
Wages shearing trainers	39433		58344		-18911		90168	
Travel Ex Shearing School	2852		4264		-1412		6648	
Shearing School expenses	9693		7970		1723		12480	
Shearing Shed Requisites	2702		3250		-548		4975	
Total Shearing school	7637		19851		-12214		31307	
Other income								
Accomodation	736	-		-	736		900	Advanced shearing school- includes food
Sale - Plant & Equipment	1636		0		1636			Bin and feeder
Refund	885		0		885			WFI
Women's day	1818				1818			Co-Op sponsorship
Total other income	5075		0		5075		900	
Overheads								
Fuel and Lubricants	9464		14000		-4536		23000	
Workshop Expenses	586		1050		-464		1800	
Plant R & M	6263		8750		-2487		15000	
Buildings/Fencing/Water repairs	6554		22500		-15946		22500	
Wages + PAYG tax	72876		80560		-7684		130960	
Wages Superannuation	7655		8456		-801		13746	
Admin & Office Expenses	441		525		-84		900	
Telephone & internet	841		1167		-326		2000	
Electricity	3170		3792		-622		6500	
Rates	7813		7500		313		7500	
Insurance	6907		10000		-3093		15500	
Purchase plant & Equipment	11418				11418			Drone & handpiece
Licences					0		2000	
Management Functions	3107		2500		607		2500	
Women's day Expenses					0		2500	
Working dog Expenses	720		700		20		1200	
Reefinator work			15000		-15000		15000	

	<u>Actual</u>		<u>Budget</u>		<u>Difference</u>		<u>Budget</u>	
	\$	Qty	\$	Qty	\$	Qty		
Waste	677		700		-23		1200	
Staff training	82		2400		-2318		2400	Chainsaw
Subscriptions	720		930		-210		1650	
Scholarship					0		6300	
Staff Allowances	866		1050		-184		1800	
Donations paid	1050		1100		-50		1100	Playgroup & graduation
Total overheads	141210		182680		-41470		277056	
Operational capital expenses								
Fencing	1095		25000		-23905		25000	
Chemical shed bunding/shelves	8174		4000		4174		4000	Shelving, bunding & concrete
Pencil Auger			6000		-6000		6000	
Wool bins			4000		-4000		4000	
Water troughs			3400		-3400		3400	
Flexi-N tank			7000		-7000		7000	
Blinds lecture room & rooms	2684		2952		-268		2952	
Total operational capital exp	11952		52352		-40400		52352	
Capital expenses								
Water tank house			15000		-15000		15000	
16 king single bed ensembles	9024		7664		1360		7664	Added bugproof covers & freight
Truck			60000		-60000		60000	
Stainless steel basin			1500		-1500		1500	
Water filtration system			2500		-2500		2500	
Yards	11090		25000		-13910		25000	Labour, lead up race & concrete
House roof last instalment			20000		-20000		20000	
Total capital expenses	20114		131664		-111550		131664	

Cashflow Summary

	<u>Actual</u>	<u>Budget</u>	<u>Difference</u>	Year's <u>Budget</u>
Total Sheep enterprize	279035	267180	11855	344760
Total Cropping enterprize	193239	74128	119110	-100816
Total Shearing school	7637	19851	-12214	31307
Other income	5075	0	5075	900
Overheads	141210	182680	-41470	277056
Total operational capital exp	11952	52352	-40400	52352
Total capital expenses	20114	131664	-111550	131664
	311710	-5537	317246	-184921