38TH ANNUAL

ON-PROPERTY AUCTION

WEDNESDAY 1ST OCTOBER 2025 | 1 PM

208 RAMS

WOOLUMBOOL STUDS

Poll Dorset • White Suffolk • Multi-Meat

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STUDS

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38TH ANNUAL ON-PROPERTY AUCTION

WEDNESDAY 1 OCTOBER 2025

208 RAMS

WHITE SUFFOLK, POLL DORSET & MULTI MEAT COMPOSITES

INSPECT FROM 10.30AM | SALE 1 PM

ON-PROPERTY - YACCA DOWNS WOOLSHED,
2671 WOOLUMBOOL ROAD, WOOLUMBOOL, SA

Vendors:

Aaron & Sally Clothier
08 8765 8095 | 0428 658 002
aaron.sally@bigpond.com

Phil & Sharon Clothier
08 8765 8026

Nutrien Livestock
Malcom Graetz
0429 516 502

Elders
Scott Christie
0428 400 411

HEALTH STATUS

Woolumbool Studs - (PD Flock No.2248)
(WS Flock No. 26) (MM Flock No. 3)

- Accredited Ovine Brucellosis Free (SA 326)
- Accredited Ovine Johne's Disease Mn3 (S139)
- All rams have been Gudair vaccinated
- A vendor declaration will be supplied sale day.
- A National Sheep Health statement will be supplied sale day.

RAM TREATMENTS

- Cobalt and Selenium pill: May 2025
- Last Drench: May 2025 (Moxidectin Long Acting)
- Shorn: 11th August 2025
- Vaccination: May 2025 (GlanEry)
- OJD Vaccination: Lamb Marking 2024

GUARANTEE

Woolumbool Studs guarantee our rams to be functional for their first working. If you have a problem with any of your purchases, please contact us and we will replace if necessary.

STUD REGISTRATION AND TRANSFER

Any ram purchased and requiring stud registration and transfer will attract a $3000 min purchase price.

REBATE

A rebate of 4% will be paid on any purchase influenced by outside agents provided they advise the selling agents in writing prior to the sale or accompany the purchaser to the sale.

OUR BREEDING PROGRAM

We are committed to breed animals who are as productive and easy care as possible. We measure for production traits, and now actively measure and select for traits to eventually produce sheep which will require minimal handling for worm treatments and remain free of dag.

We understand these 2 traits can cause a range of challenges and add extra work in sheep management than other traits, particularly in the higher rainfall and higher stock density regions.

Our breeding program is based on a sound combination of measured traits with analysis prepared by LAMBPLAN® the recognised world leader in this field, practical application of the Australian Sheep Breeding Values (ASBV's), along with recognition that animals must also be structurally correct and true to type.

LAMBPLAN® ASBV's are calculated from systematic combinations of performance information from individuals and their relatives collected at various stages during their development. They are expressed as the difference between an individual's genetic merit and the genetic base to which the animal is compared.

ASBV'S FOR NINE TRAITS ARE PROVIDED IN THIS CATALOGUE

BWT Birth Weight
PWT Post Wean Weight
Pemd Eye Muscle Depth
LMY Lean Meat Yield
SF5 (kg) Shear Force
WWT Wean Weight
PFAT Fat
Pwec Worm Egg Count
IMF (%) Intramuscular Fat

The LAMBPLAN Fact Sheet, Information regarding eating quality traits & the TCP index is shown on Pages 21 to 25.

WOOLUMBOOL STUDS ANNUAL RAM SALE 2025

Welcome to our 38 th Annual Poll Dorset, White Suffolk & Multi-Meat composite ram sale.

In another challenging year, 2025 has seen us through one of longest dry spells in many memories.

Thankfully the season broke with two months of winter going above average for rainfall and ever growing optimism for what spring is shaping up to be. Availble feed on the ground up until now has been short and slow growing.

2025's lambing has gone well and the lambs are looking fantastic bringing a great deal of joy, and we are excited to see where this drop of lambs will take us.

Here at Woolumbool we strive to achieve what we believe will most impact our clients bottom line; to produce terminal lambs that are fast growing, high in muscle with moderate fat, resistant to internal parasites (less need for drenching); and lambs that eat well with increasing intra-muscular fat and less shear force.

The Woolumbool Multi-Meat composite sheep; while sharing the same focus as our terminal breeds, also have additional traits we believe will increase your bottom line - decreasing fibre diameter, maintaining fecundity and increasing hardiness and suvivability.

This year our own Multi-Meat X Merino lambs produced wool that was tested and sold at 20.6 micron, in comparison our merino lambs, which ran in the same paddocks as them, had a micron test of 16.3 micron. This shows that Woolumbool Multi-Meats, when crossed with merinos can produce a fleece of value.

We are pleased to offer 208 young rams at this year's sale and are confident this years draft offer great value buying with all rams presenting with well-balanced LambPlan figures that would be difficult to find anywhere else.

80% of White Suffolks catalogued and offered in the 2025 sale are placed in the top 5% on LEQ with the remainder in the top 10%.

Not far behind are the Poll Dorsets with over 50% offered making the top 10% with the remainder in the top 20% for LEQ.

We aim to produce and offer fit, robust and functional rams with well-balanced ASBV's which have the capability of producing prime lambs for a range of markets.

Our commitment to breeding rams suitable for your production systems is resolute. We are not influenced by fads or show-ring performances but by production information which is analysed in a meaningful and scientific manner to give you, our clients, the leading edge.

We firmly believe in the future of the sheep meat industry and believe it will continue to be a strong one.

Look forward to welcoming you to our Annual Sale and please contact Aaron with any enquiries.

The Clothier Families

CATALOGUE INDEXES

The Carcase+ Index has replaced by the TCP (Terminal Carcase Production) Index.

Please see the 2 Index pages for TCP & LEQ on Page 19-23.

WOOLUMBOOL INDEXES

We prefer the use of TCP as it is designed to factor in EQ (Eating Quality) as part of the index to counter declining EQ as a result of continuing upward pressure on growth and muscle. We believe it offers a balanced animal which better fits most production systems.

- The C+ index is a desired gains index whereas the TCP & LEQ indexes are $ Value Indexes
- The TCP index is similar to the old C+ but also incorporates EQ traits to arrive a $ Value Index
- The LEQ index has a slightly differing emphasis on traits than the TCP but also incorporates WEC to arrive at a $ Value Index

HOW TO INTREPRET AN INDEX

RAM ID	PWT (kg)	PFAT (mm)	PEMD (mm)	INDEX
Ram 1	7.6	-0.7	0.8	155
Ram 2	8.4	1.0	3.3	155

WHAT ARE INDEXES?

Selecting animals involves balancing several key traits. To make selection easier traits can be combined into a selection index. A selection index combines ASBVs for several traits to give a single value. This reflects the performance of the sheep relative to the breeding objective of the index.

$ Value Index: A dollar index indicates the value of an animal based on its suitability for a particular market. The value is given in real dollar figures and expressed as $/ewe joined/yr.

EG: a dollar index of 105 indicates that a ram will produce $5 extra value for every ewe joined compared to a ram with an $ index of 100. Therefore over four years, if a ram produces 200 progeny, the extra value produced by that ram will be $5 x 200 = $1,000.

Desired Gains Index: Work on a proportional gain of a combination of traits.

EG: For example the Carcase Plus index puts 60% emphasis on increasing growth, 20% on decreasing fat and 20% on increased eye muscle depth.

TERMINAL ANALYSIS

Analysis Date: 1/09/25

Band	BWT	WWT	PWT	PFAT	PEMD	PWEC	LMY	IMF	SHEARF5	TCP	LEQ
1	-0.51	13.78	21.32	1.5	4.65	-64.9	5.39	0.56	-3.37	167.43	166.51
5	-0.34	12.6	19.53	0.93	3.93	-54.95	4.69	0.19	-1.5	161.37	160.02
10	-0.13	11.99	18.6	0.65	3.55	-48.6	4.35	0.06	-0.74	157.97	155.9
20	0.08	11.3	17.5	0.35	3.09	-41	3.94	-0.09	0.16	153.54	150.61
30	0.18	10.81	16.71	0.14	2.76	-35.24	3.65	-0.19	0.77	150.09	146.56
40	0.24	10.35	15.95	-0.03	2.47	-29.79	3.4	-0.28	1.31	146.94	142.7
50	0.29	9.87	15.17	-0.18	2.2	-24.19	3.16	-0.37	1.83	143.79	138.87
60	0.35	9.32	14.24	-0.33	1.93	-18.03	2.9	-0.46	2.39	140.38	134.97
70	0.4	8.59	13.03	-0.48	1.64	-11.37	2.61	-0.56	3.02	136.64	131.18
80	0.46	7.58	11.51	-0.66	1.3	-3.62	2.23	-0.68	3.8	132.3	126.93
90	0.53	6.29	9.81	-0.9	0.85	6.03	1.65	-0.84	4.92	126.59	121.54

MATERNAL ANALYSIS

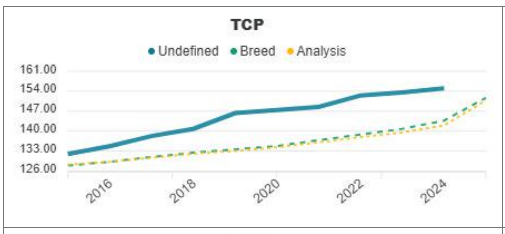
Analysis Date: 15/08/25

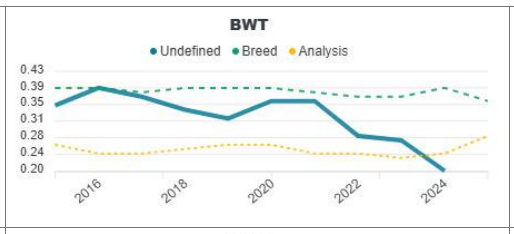
Band	BWT	PWT	AWT	PFAT	PEMD	PWEC	YCFW	YFD	MWP+	MCP+	LMY	IMF	SHEARF5
1	-0.02	18.51	20.19	1.71	3.46	-83.17	19.68	-5.84	235.39	189.43	7.4	0.33	-1.08
5	0.1	16.76	17.71	1.02	2.92	-72.52	14.63	-4.39	224.48	181.53	6.63	0.14	-0.08
10	0.16	15.74	16.48	0.71	2.63	-66.21	12.45	-2.57	217.54	176.67	6.21	0.04	0.47
20	0.23	14.45	15.04	0.38	2.27	-58.13	9.58	-0.89	207.62	169.8	5.69	-0.07	1.14
30	0.28	13.5	14.04	0.16	1.97	-51.94	7.24	-0.11	200.48	164.11	5.29	-0.17	1.68
40	0.33	12.67	13.18	-0.02	1.7	-46.29	4.93	0.36	193.18	158.12	4.94	-0.27	2.17
50	0.38	11.85	12.4	-0.19	1.43	-40.71	2.2	0.71	182.95	150.58	4.55	-0.36	2.64
60	0.42	11.01	11.59	-0.35	1.13	-34.79	-0.8	1	173.45	143.26	4.03	-0.45	3.11
70	0.48	10.07	10.71	-0.53	0.81	-27.91	-3.9	1.3	165.29	136.98	3.12	-0.55	3.6
80	0.54	8.92	9.6	-0.74	0.39	-19.7	-7.7	1.66	156.07	129.77	2.12	-0.66	4.19
90	0.62	7.36	7.92	-1.04	-0.09	-7.96	-29.78	2.2	141.79	117.54	1.4	-0.81	5.04

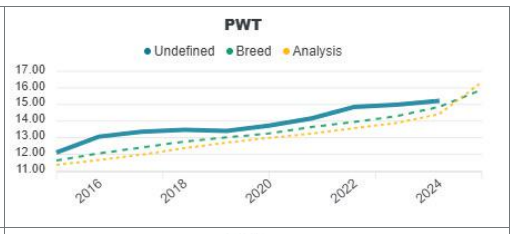
GENETIC TRENDS

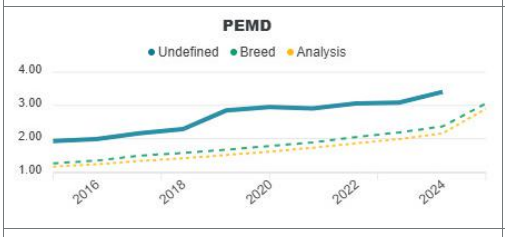
TERMINAL - POLL DORSET

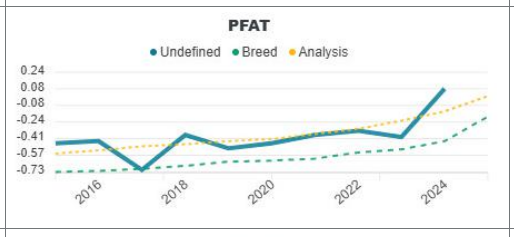
Flock Code: 230026 | Analysis Date: 01/09/2025

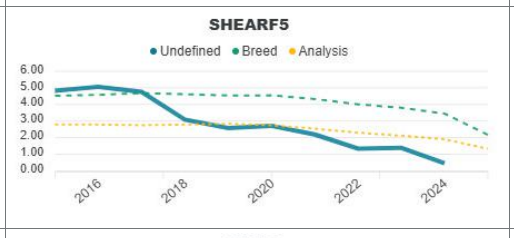


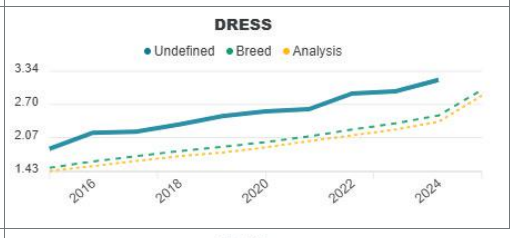


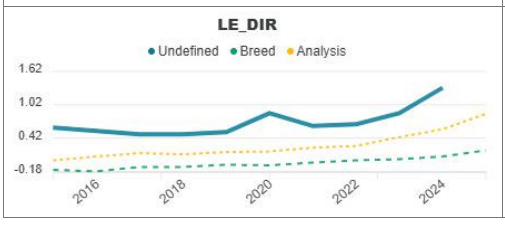


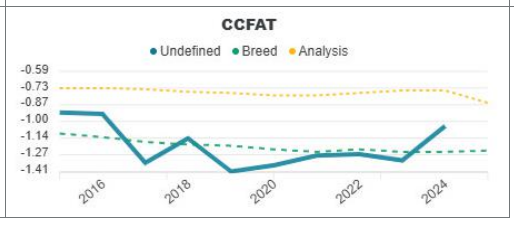


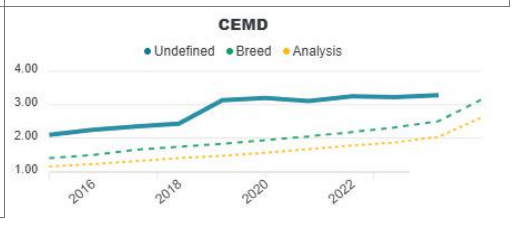












Year	TCP	BWT	PWT	PEMD	PFAT	LMY	IMF	SHEARF5	DRESS	LE_DIR	CCFAT	CEMD
2015	131.94	0.35	12.12	1.93	-0.45	2.73	-0.88	4.82	1.85	0.61	-0.93	2.10
2016	134.87	0.39	13.07	1.99	-0.43	2.93	-0.84	5.08	2.16	0.55	-0.94	2.25
2017	138.26	0.37	13.36	2.16	-0.71	3.31	-0.87	4.76	2.18	0.49	-1.34	2.35
2018	140.77	0.34	13.47	2.29	-0.37	2.75	-0.40	3.09	2.32	0.49	-1.14	2.43
2019	146.29	0.32	13.41	2.85	-0.50	3.10	-0.43	2.58	2.48	0.53	-1.41	3.14
2020	147.39	0.36	13.73	2.95	-0.45	3.14	-0.40	2.72	2.57	0.87	-1.38	3.20
2021	148.51	0.36	14.17	2.91	-0.37	3.09	-0.27	2.19	2.61	0.84	-1.28	3.11
2022	152.52	0.28	14.86	3.06	-0.33	3.15	-0.18	1.34	2.91	0.67	-1.27	3.25
2023	153.53	0.27	14.98	3.09	-0.39	3.34	-0.19	1.38	2.95	0.87	-1.32	3.23
2024	155.08	0.20	15.22	3.41	0.08	2.85	-0.11	0.45	3.17	1.33	-1.04	3.29
2025												

Year	TCP	BWT	PWT	PEMD	PFAT	LMY	IMF	SHEARF5	DRESS	LE_DIR	CCFAT	CEMD
2015	127.90	0.39	11.63	1.26	-0.73	2.53	-0.60	4.52	1.49	-0.15	-1.10	1.40
2016	129.22	0.39	12.06	1.34	-0.72	2.64	-0.62	4.58	1.61	-0.18	-1.13	1.49
2017	130.91	0.38	12.41	1.49	-0.70	2.77	-0.64	4.68	1.71	-0.10	-1.17	1.65
2018	132.40	0.39	12.77	1.57	-0.67	2.84	-0.63	4.62	1.81	-0.10	-1.19	1.74
2019	133.59	0.39	13.02	1.67	-0.63	2.90	-0.63	4.54	1.89	-0.06	-1.20	1.83
2020	134.76	0.39	13.26	1.78	-0.62	2.99	-0.62	4.55	1.98	-0.07	-1.23	1.94
2021	136.81	0.38	13.65	1.89	-0.60	3.09	-0.60	4.33	2.09	-0.02	-1.25	2.05
2022	138.80	0.37	13.95	2.05	-0.54	3.11	-0.56	4.01	2.22	0.02	-1.23	2.18
2023	140.80	0.37	14.30	2.19	-0.51	3.21	-0.53	3.80	2.34	0.04	-1.25	2.32
2024	143.88	0.39	14.86	2.37	-0.43	3.28	-0.50	3.45	2.49	0.09	-1.25	2.51
2025	151.89	0.36	15.90	3.06	-0.19	3.45	-0.33	2.17	2.98	0.20	-1.24	3.16

Year	TCP	BWT	PWT	PEMD	PFAT	LMY	IMF	SHEARF5	DRESS	LE_DIR	CCFAT	CEMD
2015	128.24	0.26	11.37	1.18	-0.55	2.37	-0.48	2.79	1.43	0.02	-0.73	1.15
2016	129.18	0.24	11.66	1.23	-0.52	2.44	-0.49	2.79	1.52	0.09	-0.73	1.22
2017	130.65	0.24	11.98	1.33	-0.48	2.52	-0.48	2.75	1.62	0.15	-0.74	1.31
2018	132.05	0.25	12.37	1.41	-0.46	2.61	-0.48	2.79	1.71	0.13	-0.76	1.40
2019	133.02	0.26	12.71	1.51	-0.43	2.71	-0.48	2.84	1.78	0.17	-0.77	1.47
2020	134.35	0.26	12.99	1.61	-0.41	2.78	-0.47	2.75	1.88	0.18	-0.79	1.56
2021	136.04	0.24	13.25	1.73	-0.36	2.84	-0.44	2.54	2.00	0.25	-0.79	1.67
2022	137.90	0.24	13.58	1.86	-0.31	2.90	-0.41	2.30	2.11	0.28	-0.77	1.78
2023	139.52	0.23	13.89	1.99	-0.23	2.94	-0.39	2.12	2.22	0.44	-0.75	1.87
2024	142.01	0.24	14.43	2.16	-0.14	3.02	-0.38	1.90	2.37	0.58	-0.75	2.04
2025	150.74	0.28	16.35	2.90	0.01	3.41	-0.24	1.33	2.87	0.86	-0.85	2.62

WOOLUMBOOL STUDS

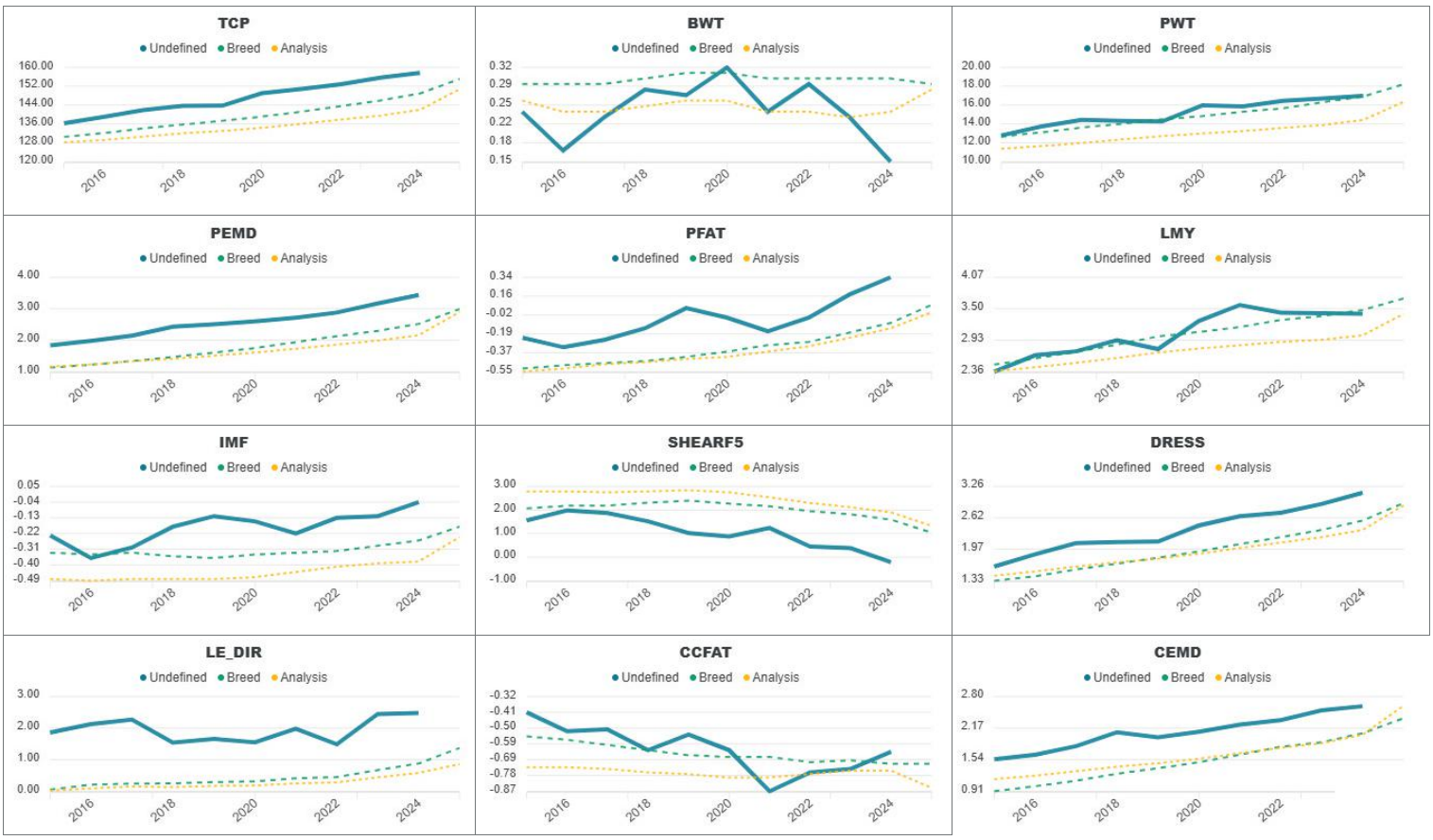
Poll Dorset • White Suffolk • Multi-Meat

Reports are prepared using data supplied by breeders and/or accredited operators. We cannot guarantee the accuracy of this data. ASBV's are designed to estimate genetic merit of animals from the data supplied. The reports are provided to assist breeders but no liability is accepted for the outcome resulting from the use of this information.

GENETIC TRENDS

TERMINAL - WHITE SUFFOLK

Flock Code: 230026 | Analysis Date: 01/09/2025



Year	TCP	BWT	PWT	PEMD	PFAT	LMY	IMF	SHEARF5	DRESS	LE_DIR	CCFAT	CEMD
2015	136.27	0.24	12.77	1.84	-0.23	2.36	-0.23	1.56	1.62	1.86	-0.41	1.55
2016	139.02	0.17	13.73	1.98	-0.32	2.66	-0.36	1.98	1.87	2.13	-0.52	1.64
2017	141.92	0.23	14.44	2.15	-0.25	2.73	-0.30	1.87	2.10	2.27	-0.51	1.81
2018	143.68	0.28	14.33	2.43	-0.14	2.93	-0.18	1.52	2.12	1.54	-0.63	2.09
2019	143.76	0.27	14.27	2.51	0.05	2.77	-0.12	1.02	2.13	1.66	-0.54	1.99
2020	149.03	0.32	15.97	2.80	-0.04	3.26	-0.15	0.68	2.48	1.55	-0.83	2.10
2021	150.88	0.24	15.85	2.72	-0.17	3.57	-0.22	1.24	2.65	1.98	-0.87	2.24
2022	152.80	0.29	16.45	2.88	-0.04	3.43	-0.13	0.45	2.72	1.49	-0.76	2.33
2023	155.83	0.23	16.71	3.17	0.18	3.42	-0.12	0.38	2.90	2.45	-0.74	2.53
2024	157.70	0.15	16.99	3.44	0.34	3.41	-0.04	-0.21	3.13	2.48	-0.84	2.61
2025												

Year	TCP	BWT	PWT	PEMD	PFAT	LMY	IMF	SHEARF5	DRESS	LE_DIR	CCFAT	CEMD
2015	130.54	0.29	12.66	1.13	-0.52	2.49	-0.33	2.07	1.33	0.05	-0.55	0.91
2016	132.15	0.29	13.10	1.22	-0.49	2.60	-0.34	2.18	1.42	0.21	-0.57	1.01
2017	134.08	0.29	13.62	1.34	-0.47	2.72	-0.33	2.19	1.56	0.24	-0.60	1.12
2018	135.74	0.30	14.03	1.47	-0.45	2.85	-0.35	2.31	1.68	0.25	-0.63	1.26
2019	137.36	0.31	14.49	1.61	-0.41	3.00	-0.36	2.40	1.80	0.29	-0.66	1.37
2020	139.11	0.31	14.83	1.75	-0.36	3.08	-0.34	2.27	1.93	0.31	-0.67	1.49
2021	141.20	0.30	15.29	1.94	-0.30	3.17	-0.33	2.16	2.08	0.41	-0.67	1.64
2022	143.56	0.30	15.66	2.13	-0.27	3.30	-0.32	1.95	2.22	0.45	-0.70	1.80
2023	145.96	0.30	16.31	2.30	-0.18	3.37	-0.29	1.82	2.37	0.67	-0.69	1.89
2024	148.95	0.30	16.91	2.52	-0.09	3.48	-0.26	1.59	2.56	0.88	-0.71	2.07
2025	155.07	0.29	18.21	2.99	0.08	3.69	-0.18	1.04	2.92	1.37	-0.71	2.37

Year	TCP	BWT	PWT	PEMD	PFAT	LMY	IMF	SHEARF5	DRESS	LE_DIR	CCFAT	CEMD
2015	128.24	0.26	11.37	1.18	-0.55	2.37	-0.48	2.79	1.43	0.02	-0.73	1.15
2016	129.18	0.24	11.66	1.23	-0.52	2.44	-0.49	2.79	1.52	0.09	-0.73	1.22
2017	130.65	0.24	11.98	1.33	-0.48	2.52	-0.48	2.75	1.62	0.15	-0.74	1.31
2018	132.05	0.25	12.37	1.41	-0.46	2.61	-0.48	2.79	1.71	0.13	-0.76	1.40
2019	133.02	0.26	12.71	1.51	-0.43	2.71	-0.48	2.84	1.78	0.17	-0.77	1.47
2020	134.35	0.26	12.99	1.61	-0.41	2.78	-0.47	2.75	1.88	0.18	-0.79	1.56
2021	136.04	0.24	13.25	1.73	-0.36	2.84	-0.44	2.54	2.00	0.25	-0.79	1.67
2022	137.90	0.24	13.58	1.86	-0.31	2.90	-0.41	2.30	2.11	0.28	-0.77	1.78
2023	139.52	0.23	13.89	1.99	-0.23	2.94	-0.39	2.12	2.22	0.44	-0.75	1.87
2024	142.01	0.24	14.43	2.16	-0.14	3.02	-0.38	1.90	2.37	0.58	-0.75	2.04
2025	150.74	0.28	16.35	2.90	0.01	3.41	-0.24	1.33	2.87	0.86	-0.85	2.62

WOOLUMBOOL STUDS

Poll Dorset • White Suffolk • Multi-Meat

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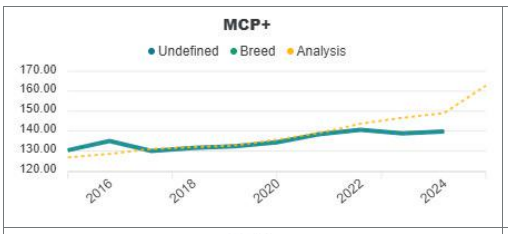
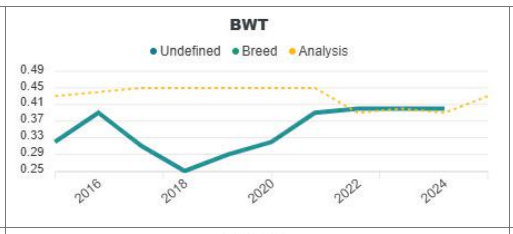
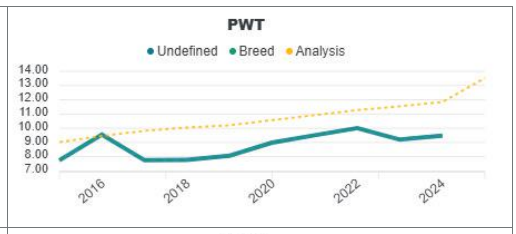
GENETIC TRENDS

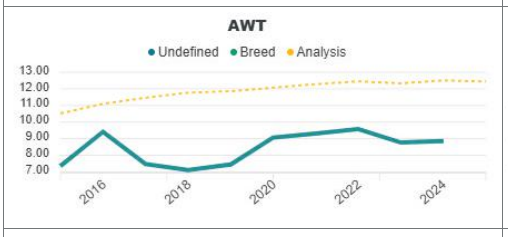
MATERNAL - MULTI-MEAT COMPOSITES

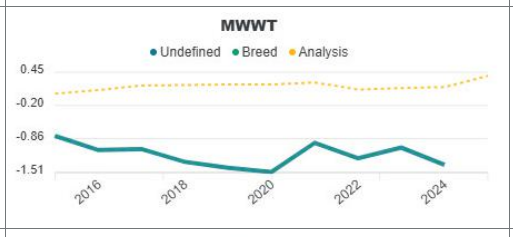
Flock Code: 390003 | Analysis Date: 15/08/2025

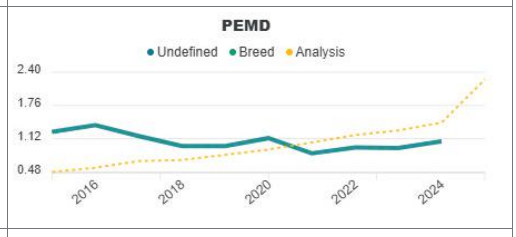


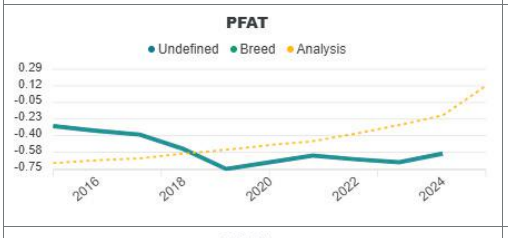


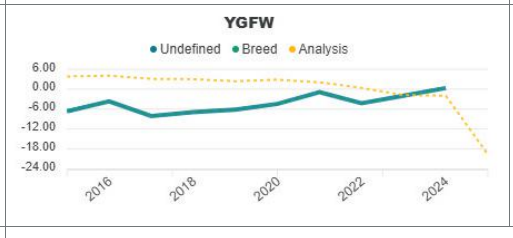


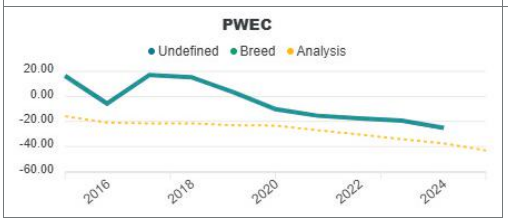












Year	MCP+	BWT	PWT	AWT	MWWT	PEMD	PFAT	YGFW	WR	PWEC
2015	130.39	0.32	7.75	7.36	-0.80	1.25	-0.30	-6.84	0.10	16.40
2016	134.99	0.39	9.55	9.41	-1.08	1.38	-0.35	-3.86	0.09	-5.71
2017	130.09	0.31	7.75	7.47	-1.06	1.17	-0.39	-8.06	0.11	17.08
2018	131.57	0.25	7.77	7.11	-1.31	0.98	-0.54	-6.94	0.15	15.41
2019	132.45	0.29	8.07	7.45	-1.43	0.98	-0.75	-6.13	0.14	3.34
2020	134.36	0.32	8.99	9.07	-1.51	1.13	-0.88	-4.45	0.14	-10.18
2021	138.37	0.39	9.51	9.31	-0.94	0.84	-0.61	-0.92	0.17	-15.42
2022	140.65	0.40	10.00	9.57	-1.24	0.95	-0.65	-4.18	0.18	-17.67
2023	138.89	0.40	9.20	8.77	-1.03	0.94	-0.68	-1.97	0.17	-19.31
2024	139.75	0.40	9.48	8.85	-1.37	1.07	-0.59	0.34	0.18	-25.20
2025										

Year	MCP+	BWT	PWT	AWT	MWWT	PEMD	PFAT	YGFW	WR	PWEC
2015	130.39	0.32	7.75	7.36	-0.80	1.25	-0.30	-6.84	0.10	16.40
2016	134.99	0.39	9.55	9.41	-1.08	1.38	-0.35	-3.86	0.09	-5.71
2017	130.09	0.31	7.75	7.47	-1.06	1.17	-0.39	-8.06	0.11	17.08
2018	131.57	0.25	7.77	7.11	-1.31	0.98	-0.54	-6.94	0.15	15.41
2019	132.45	0.29	8.07	7.45	-1.43	0.98	-0.75	-6.13	0.14	3.34
2020	134.36	0.32	8.99	9.07	-1.51	1.13	-0.88	-4.45	0.14	-10.18
2021	138.37	0.39	9.51	9.31	-0.94	0.84	-0.61	-0.92	0.17	-15.42
2022	140.65	0.40	10.00	9.57	-1.24	0.95	-0.65	-4.18	0.18	-17.67
2023	138.89	0.40	9.20	8.77	-1.03	0.94	-0.68	-1.97	0.17	-19.31
2024	139.75	0.40	9.48	8.85	-1.37	1.07	-0.59	0.34	0.18	-25.20
2025										

Year	MCP+	BWT	PWT	AWT	MWWT	PEMD	PFAT	YGFW	WR	PWEC
2015	126.79	0.43	9.03	10.52	0.03	0.48	-0.69	3.83	0.08	-15.89
2016	128.54	0.44	9.48	11.10	0.10	0.56	-0.66	4.07	0.08	-20.90
2017	131.03	0.45	9.82	11.46	0.19	0.69	-0.64	3.11	0.09	-21.66
2018	131.98	0.45	10.05	11.77	0.20	0.71	-0.59	3.01	0.10	-21.50
2019	132.83	0.45	10.21	11.86	0.21	0.81	-0.55	2.40	0.10	-23.07
2020	135.74	0.45	10.57	12.07	0.21	0.91	-0.50	2.87	0.12	-23.31
2021	138.98	0.45	10.92	12.28	0.25	1.05	-0.46	2.06	0.13	-27.06
2022	143.69	0.39	11.27	12.45	0.11	1.19	-0.38	0.41	0.16	-30.45
2023	146.87	0.40	11.54	12.33	0.14	1.28	-0.29	-1.79	0.18	-34.19
2024	149.04	0.39	11.84	12.51	0.16	1.43	-0.19	-1.95	0.18	-37.80
2025	162.82	0.43	13.53	12.44	0.38	2.26	0.12	-19.65	0.23	-43.18

WOOLUMBOOL STUDS

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40 POLL DORSET FLOCK RAMS

LOT	TAG ID	BORN	BT	BWT	WWT	PWT	AWT	PFAT	PEMD	PWEC	TCP	LEQ	LMY	IMF	SF5	PURCH/PRICE
					EATING QUALITY TRAITS											
1	244040	Winter	3	0.4	11.67	17.42	19.37	0.49	3.05	-67.48	158.8	165.84	2.98	0.19	0.04	
2	244097	Winter	1	0.25	11.91	18.47	21.59	0.26	3.42	-2.05	161.18	159.71	3.19	-0.07	-0.03	
3	244074	Winter	2	0.07	11.66	18.19	22.94	0.11	2.33	-57.53	157.52	163.93	2.67	0.2	-0.45	
4	244013	Winter	1	0.48	13.3	20.23	21.3	0.46	2.75	-61.01	161.48	166.67	3.67	0.07	0.72	
5	244041	Winter	1	0.16	11.6	18.46	20.39	0.75	3.74	11.87	161.63	159.08	3.04	-0.07	-0.34	
6	244108	Winter	2	0.35	10.95	16.7	22.21	-0.23	3.05	-26.15	154.81	157.65	3.21	0.13	1.52	
7	244060	Winter	2	0.18	10.15	16.4	17.79	0.32	4.01	1.07	162.68	159.65	3.53	-0.19	0.07	
8	244653	Spring	2	0.23	11.76	18.92	22.82	-1.12	2.38	-26.62	162.18	160.03	4.35	-0.35	2.28	
9	244072	Winter	2	0.18	10.68	16.99	21.75	-0.25	2.69	-30.53	154.81	155.95	2.88	-0.07	0.72	
10	244655	Spring	2	0.23	10.86	17.84	22.15	-0.75	2.92	-27.69	161.91	160.82	3.73	-0.26	1.46	
11	244241	Winter	1	0.41	10.6	16.38	20.63	-0.39	4.07	-14.4	167.39	166.16	3.77	-0.14	-1.06	
12	244656	Spring	2	0.08	10.79	17.96	22.58	-0.44	2.58	-27.69	158.98	159.27	3.18	-0.14	1.54	
13	244652	Spring	1	0.37	12.73	19	21.1	0.25	4.32	-17.01	171.11	169.2	4.91	-0.21	1.32	
14	244728	Spring	2	0.13	10.05	16.54	19.95	-0.61	2.5	-18.77	157.15	157.48	3.16	-0.07	0.94	
15	244012	Winter	1	0.35	10.35	16.37	19.74	0.13	4.15	-31.7	160.42	156.72	3.59	-0.5	1.34	
16	244050	Winter	1	0.16	10.41	16.48	19.34	0.1	3.83	-40.98	159.35	157.22	3.25	-0.43	1.46	
17	244053	Winter	1	0.29	10.53	15.64	19.97	-0.65	2.8	-27.53	149.79	147.8	3.96	-0.32	3.71	
18	244100	Winter	1	0.14	9.96	16.63	18.51	0.21	4.32	-26.35	163.17	160.52	3.45	-0.36	-0.06	
19	244091	Winter	1	0.27	11.54	18.01	20.62	-1.28	4.18	-9.25	167.02	157.19	5.86	-0.89	4.44	
20	244781	Spring	1	0.38	13.26	20.39	24.82	-0.42	3.63	11.2	162.61	151.93	4.76	-0.79	5.87	
21	244685	Spring	2	0.1	10.03	16.12	21.18	-0.77	2.28	-42.88	149.9	150.77	3.23	-0.21	1.94	
22	244106	Winter	2	0.14	9.32	15.61	17.78	0.68	4.59	-34.91	161.91	163.74	2.73	-0.02	-1.32	
23	244084	Winter	2	0.3	10.38	16.63	19.57	0.37	3.18	-2.54	153.81	151.1	2.46	-0.18	1.02	
24	244750	Spring	2	0.43	10.97	17.82	20.7	-0.09	4.59	-20.73	171.5	170.42	4.24	-0.18	0.4	
25	244708	Spring	1	0.16	11.2	18.05	21.39	-0.58	4.03	-20.76	161.67	155.59	4.81	-0.64	2.97	
26	243991	Winter	3	0.07	10.05	16.17	18.74	0.91	2.99	-47.98	152.17	157.36	2.37	0.15	-0.78	
27	244243	Winter	2	0.24	9.01	13.62	17.7	0.05	4.59	-49.06	156.35	154.5	3.67	-0.46	1.58	
28	244730	Spring	1	0.33	11.46	17.92	21.93	-0.41	2.5	-7.47	153.89	151.09	3.57	-0.25	2.74	
29	244689	Spring	1	0.14	11.02	16.77	21.41	-1.16	1.93	-26.77	154.29	155.34	3.77	-0.07	2.59	
30	244740	Spring	1	0.04	10.82	18.03	22.94	0.02	2.49	-17.56	154.89	153.65	2.32	-0.19	0.82	
31	244782	Spring	1	0.26	9.75	15	18.85	-0.67	2.53	-24.85	155.08	155.54	3.08	-0.1	0.24	

TOP 1% TOP 5% TOP 10% TOP 20%

40 POLL DORSET FLOCK RAMS

LOT	TAG ID	BORN	BT	BWT	WWT	PWT	AWT	PFAT	PEMD	PWEC	TCP	LEQ	LMY	IMF	SF5	PURCH/PRICE
									EATING QUALITY TRAITS							
32	244054	Winter	2	0.23	10.92	17.07	18.86	-0.02	4.39	-27.05	163.76	159.45	4.35	-0.52	1.97	
33	244804	Spring	2	0.64	12.05	18.89	21.75	-0.01	4.19	1.98	174.02	171.12	3.82	-0.15	-0.95	
34	244064	Winter	2	0.23	10.7	17.46	19.36	0.67	3.75	-11.26	161.5	161.36	2.83	-0.02	-1	
35	244103	Winter	2	0.08	10.83	17.95	20.17	0.37	3.86	-23.57	164.3	164.11	3.45	-0.13	-0.59	
36	244839	Spring	2	0.47	10.55	15.95	19.69	-0.83	2.46	-20.82	157.97	155.58	3.22	-0.33	0.22	
37	244683	Spring	2	0.28	10.6	16.23	19.51	-0.03	4.72	-41.08	164.26	160.28	4.45	-0.59	2.44	
38	244110	Winter	1	0.28	9.56	15.35	16.72	1.01	4.66	24.46	159.39	154.95	2.52	-0.13	-1.1	
39	244027	Winter	3	0.37	11.91	18.24	20.94	0.46	3.53	-35.45	161.34	163.46	2.6	0	0.32	
40	244039	Winter	2	0.19	10.25	16.2	18.06	0.8	4.42	-7.5	161	158.49	3.05	-0.2	0.08	

40 WHITE SUFFOLK FLOCK RAMS

LOT	TAG ID	BORN	BT	BWT	WWT	PWT	AWT	PFAT	PEMD	PWEC	TCP	LEQ	LMY	IMF	SF5	PURCH/PRICE
									EATING QUALITY TRAITS							
41	244192	Winter	2	0.35	12.7	21.13	24.6	-0.87	2.08	-63.07	164.07	167.29	4.27	-0.13	0.54	
42	244166	Winter	1	0.18	11	18.29	22.38	0.18	3.15	-43.75	156.66	159.54	2.55	0.01	-0.76	
43	244916	Spring	2	0.25	12.62	20.1	20.38	0.66	3.79	-46.8	162.5	161.44	4.48	-0.37	3.35	
44	244920	Spring	1	0.07	11.7	18.21	22.31	0.31	4.2	-51.57	161.22	162.65	4.21	-0.18	1.44	
45	244128	Winter	1	0.11	10.04	16.64	17.1	0.52	3.55	-56.75	158.32	163.24	3.38	0.07	-0.68	
46	244135	Winter	2	0.46	14.96	23.51	27.8	-0.15	2.92	-39.19	174.35	178.01	4.42	0.12	-0.45	
47	244205	Winter	1	-0.04	10.52	17.47	19.6	0.45	3.79	-56.36	158.95	163.34	3.83	0.03	0.77	
48	245057	Spring	1	0.27	11.37	18.07	22.59	0.39	3.81	-62.04	155.5	157.25	3.85	-0.22	2.02	
49	244130	Winter	2	-0.03	10.71	18.52	20.84	0.73	4.37	-61.94	166.21	169.51	3.61	-0.1	-0.21	
50	244133	Winter	2	0.38	12.25	18.9	20.61	-0.24	3.72	-51.73	165.67	165.16	4.78	-0.38	1.26	
51	244187	Winter	1	0.38	14.01	22.1	24.08	-0.14	4.22	-50.06	172.53	170.93	5.59	-0.43	2.03	
52	244173	Winter	2	0.32	10.81	17.69	17.98	0.47	3.71	-62.63	162.44	167.28	3.79	0.04	-2.28	
53	245011	Spring	1	0.18	11.3	18.29	21.68	0.48	3.76	-39	160.1	159.12	3.6	-0.3	1.14	
54	244904	Spring	1	0.28	13.03	20.75	22.67	0.04	2.84	-42.79	161.26	160.51	4.44	-0.32	2.82	
55	244162	Winter	2	0.37	12	19.41	22.29	-0.14	3.43	-45	163.59	165.63	4.22	-0.09	0.16	
56	244964	Spring	1	0.3	11.88	18.85	21.15	0.89	3.44	-39.59	158.03	159.92	3.01	-0.05	0.61	
57	245028	Spring	2	0.22	11.78	20.24	20.85	-0.66	2.3	-40.98	166.24	167.73	4.2	-0.12	-1.13	
58	244928	Spring	2	0.31	11.3	18.54	20.8	0.35	3.42	-38.42	164.37	165.3	3.69	-0.14	-0.66	

TOP 1% TOP 5% TOP 10% TOP 20%

40 WHITE SUFFOLK FLOCK RAMS

										EATING QUALITY TRAITS					
LOT	TAG ID	BORN	BT	BWT	WWT	PWT	AWT	PFAT	PEMD	PWEC	TCP	LEQ	LMY	IMF	SF5	PURCH/PRICE
59	244197	Winter	2	0.4	11.75	20.16	21.47	0.76	4.51	-50.55	171.08	174.47	3.94	0	-2.23	
60	244193	Winter	2	0.15	10.21	16.66	18.05	0.63	3.51	-66.38	157.36	164.3	2.87	0.18	-1.18	
61	244958	Spring	2	-0.04	10.38	17.6	18.94	-0.11	2.59	-46.72	159.08	162.81	3.38	0.03	-0.72	
62	244946	Spring	1	0.07	11.04	17.89	20.8	0.1	4.26	-56.97	163.05	163.49	4.54	-0.33	1.68	
63	244203	Winter	3	0.05	9.78	16.79	19.32	0.15	2.53	-60.74	156.22	163.28	2.52	0.22	-1.97	
64	244156	Winter	2	0.16	10.31	17.2	19.72	0.03	3.56	-57.4	160.37	164.64	3.71	0.01	-1.01	
65	244896	Spring	1	0.24	10.97	17.41	20.03	0.14	3.04	-40.86	158.02	161.46	3.28	0.07	-0.91	
66	244917	Spring	2	0.39	12.94	20.42	22.34	0.17	2.81	-46.64	159.06	158.93	4.08	-0.3	3.2	
67	244880	Spring	2	0.27	12.65	19.7	22.44	-0.02	3.74	-50.04	163.57	164.66	4.61	-0.21	1.57	
68	244965	Spring	1	0.2	12.63	19.99	22.62	0.35	3.09	-43.53	160.37	162.06	3.69	-0.1	2.08	
69	244948	Spring	1	0.15	10.88	17.81	19.73	-0.14	2.98	-36.38	158.95	158.42	3.58	-0.26	0.13	
70	244927	Spring	2	0.02	11.71	20.19	21.26	-0.43	2.96	-41.59	170.92	173.95	4.34	0.01	-1.22	
71	245024	Spring	3	0.06	12.13	19.29	20.79	0.43	4.59	-54.89	167.8	169.07	4.9	-0.23	1.43	
72	245048	Spring	2	0.14	11.16	18.98	20.47	0.23	3.3	-63.98	159.61	161.62	3.88	-0.24	0.73	
73	244161	Winter	2	0.41	12.17	19.53	22.34	-0.25	3.51	-50.87	164.42	166.22	4.52	-0.15	0.4	
74	244195	Winter	2	0.16	11.45	18.66	20.47	-0.7	3.77	-23.19	168.29	162.82	5.76	-0.6	2.29	
75	244956	Spring	2	0.22	10.62	17.47	19.29	-0.35	1.93	-26.5	154.33	156.05	3.38	0.01	-0.27	
76	244211	Winter	2	0.25	11.1	18	19.41	0.18	3.61	-33.9	162.89	160.9	4.1	-0.36	1.14	
77	244874	Spring	2	-0.02	10.09	17.64	21.13	0.94	5.75	-53.49	168.99	169.61	4.37	-0.27	0.29	
78	244926	Spring	2	0.14	10.74	17.92	20.16	-0.35	2.33	-37.96	158.3	160.86	3.3	0	-0.76	
79	244939	Spring	2	0.25	11.59	17.42	19.81	-0.15	2.7	-39.77	156.42	158.61	3.53	-0.04	0.27	
80	245012	Spring	1	-0.02	9.74	16.31	17.97	0.65	4.73	-49.66	163.14	166.63	3.77	0.01	-1.22	

52 POLL DORSET FLOCK RAMS

										EATING QUALITY TRAITS					
LOT	TAG ID	BORN	BT	BWT	WWT	PWT	AWT	PFAT	PEMD	PWEC	TCP	LEQ	LMY	IMF	SF5	PURCH/PRICE
81	244088	Winter	2	0.13	9.09	14.99	19.97	-0.19	2.85	-25.99	153.93	157.06	2.29	0.13	-0.55	
82	244082	Winter	2	0.22	9.46	15.28	17.54	0.86	3.89	-27.33	155.74	158.07	2.69	0.08	-0.81	
83	244036	Winter	2	0.24	10.75	16.64	18.48	0.76	4.55	-5.72	162.23	158.88	3.34	-0.26	0.52	
84	244835	Spring	2	0.26	10.37	16	20.01	0.03	4.35	-34.78	160.57	161.03	3.2	-0.16	0.76	
85	244690	Spring	2	0.27	10.82	15.76	17.96	0.08	3.67	-32.98	153.64	151	3.78	-0.42	3.08	

TOP 1% TOP 5% TOP 10% TOP 20%

52 POLL DORSET FLOCK RAMS

												EATING QUALITY TRAITS				
LOT	TAG ID	BORN	BT	BWT	WWT	PWT	AWT	PFAT	PEMD	PWEC	TCP	LEQ	LMY	IMF	SF5	PURCH/PRICE
86	244089	Winter	2	0.14	9.82	16.06	21.13	-0.43	2.68	-29.6	156.06	158.64	2.76	0.05	0.06	
87	244063	Winter	2	0.2	8.62	13.08	15.66	-0.17	4.16	-33.1	156.33	153.61	3.68	-0.43	1.48	
88	244062	Winter	2	0.28	8.7	13.02	15.65	-0.1	4.01	-36.79	154.77	152.85	3.43	-0.39	1.37	
89	244741	Spring	2	0.28	11.36	18.67	20.81	0.29	4.59	-26.87	167.61	163.75	4.2	-0.47	1.41	
90	244034	Winter	2	0.38	9.75	15.69	17.86	0.69	4.04	12.83	159.54	156.02	2.28	-0.14	-0.61	
91	244725	Spring	2	0.13	11.76	19.14	23.97	-0.59	3.5	-13	167.11	166.11	4.28	-0.14	1.38	
92	244813	Spring	1	0.3	8.58	13.84	17.82	0.42	3.58	-22.05	155.09	158.81	1.63	0.23	-3.18	
93	244757	Spring	2	0.21	11.11	17.86	23.05	-0.72	1.65	-30.32	152.09	154.83	3.07	0.06	1.38	
94	244025	Winter	3	0.26	9.84	15.53	17.43	1.17	4.21	-2.7	159.71	162.95	1.67	0.35	-1.72	
95	243993	Winter	3	0.13	9.95	16.12	18.83	0.95	2.79	-47.98	150.9	156.69	2.07	0.21	-1.11	
96	244010	Winter	1	0.36	10.49	15.31	16.83	0.89	3.54	4.57	150.92	147.47	2.21	-0.19	1.34	
97	244759	Spring	3	0.21	9.79	15.78	17.87	-0.2	3.12	-22.64	150.65	146.4	3.23	-0.49	2.87	
98	244076	Winter	2	0.2	12.47	19.81	22.12	0.52	3.13	-27.12	165.91	169.2	3.25	0.18	-0.17	
99	244687	Spring	1	0.23	11.48	18.02	21.23	-0.22	3.96	-31.01	165.78	162.05	4.72	-0.51	2.2	
100	244745	Spring	2	-0.01	9.78	15.81	19.52	-0.05	3.58	-1.8	153.99	150.04	2.9	-0.31	2.43	
101	244078	Winter	1	0.02	7.52	12.13	15.52	0.7	3.9	-39.1	151.23	154.43	1.71	0.05	-1.62	
102	244059	Winter	2	-0.12	7.42	12.9	14.93	1.21	4.71	5.2	156.06	155.58	1.46	0.07	-1.81	
103	244819	Spring	3	0.19	9.17	15.42	19.47	0.52	4.08	3.78	158.53	157.21	2.48	-0.02	-0.52	
104	244664	Spring	2	0.16	9.61	15.29	19.52	-0.39	3.02	-33.63	154.26	155.31	3.16	-0.11	1.56	
105	244026	Winter	3	0.2	9.86	15.11	16.63	0.62	3.68	4.67	156.61	156.1	2.25	0.07	-0.37	
106	244719	Spring	2	0.14	9.91	15.87	18.96	0.34	4.62	-19.92	159.16	155.41	3.41	-0.41	2.76	
107	244016	Winter	2	0.29	9.66	14.97	15.71	0.04	4.55	-31.21	162.32	157.78	3.79	-0.57	1.62	
108	244071	Winter	2	0.15	9.45	14.91	18.93	0.12	4.25	-41.89	157.51	155.34	3.39	-0.44	1.19	
109	244250	Winter	1	0.1	7.88	12.52	13.3	-0.3	3.5	-46.47	152.38	154.35	3.2	-0.13	0.34	
110	244080	Winter	2	0.24	9.08	14.97	17.33	0.91	3.69	-21.69	152.82	155.19	2.02	0.13	-0.79	
111	244021	Winter	2	0.04	9.2	14.16	16.84	-0.5	3.88	-28.84	162.21	161.48	3.85	-0.23	0.06	
112	244798	Spring	2	0.23	8	14.41	17.77	-0.35	2.49	-6.34	155.2	156.96	2.16	0.15	-2.35	
113	244774	Spring	3	0.47	11.16	17.67	22.04	0.32	4.46	6.25	168.1	162.72	3.68	-0.35	1.22	
114	244824	Spring	2	0.27	9.62	16.11	18.9	0.02	4	-6.7	159.83	155.56	3.43	-0.36	0.43	
115	244777	Spring	1	0.22	10.02	15.21	19.09	0.35	4.18	-12.5	154	151.47	3.01	-0.24	1.6	
116	244056	Winter	2	0.15	10.13	15.28	16.3	0.76	3.99	-12.04	155.96	154.48	3	-0.16	0.52	

TOP 1% TOP 5% TOP 10% TOP 20%

52 POLL DORSET FLOCK RAMS

									EATING QUALITY TRAITS						
LOT	TAG ID	BORN	BT	BWT	WWT	PWT	AWT	PFAT	PEMD	PWEC	TCP	LEQ	LMY	IMF	SF5	PURCH/PRICE
117	244842	Spring	1	0.16	8.99	14.84	18.46	-0.12	3.86	-14.64	157.4	156.27	3	-0.16	-0.09	
118	244070	Winter	2	0.16	9.13	14.5	18.66	0.13	3.86	-50.29	154.67	154.28	2.93	-0.35	0.83	
119	244792	Spring	2	0.13	7.72	12.22	16.29	0.01	3.51	-31.99	152.82	154.63	1.99	-0.03	-1.25	
120	244673	Spring	2	0.17	8.62	13.45	17.12	-0.28	4.12	-50.21	156.53	156.92	3.37	-0.29	0.97	
121	244715	Spring	1	0.15	7.83	12.3	15.99	0.45	4.4	-53.45	153.24	154.33	2.56	-0.23	0.24	
122	244791	Spring	1	0.18	8.53	15.22	19.45	1.26	5.04	-13.98	160.39	158	2.27	-0.23	0.15	
123	244048	Winter	4	0.17	9.17	14.82	17.58	0.9	4.14	-14.16	156.03	156.19	1.84	-0.01	-0.84	
124	244779	Spring	2	0.39	7.9	12.88	18.42	-0.13	2.87	-14.36	151.66	157.45	1.63	0.45	-3.85	
125	244069	Winter	2	0.28	8.61	13.66	15.76	0.52	2.82	-60.59	146.69	152.61	2.11	0.13	-0.37	
126	243998	Winter	2	0.02	8.29	14.45	18.12	-0.01	3.64	-33.26	157.73	159.82	2.72	-0.02	-0.88	
127	244712	Spring	3	0.17	8.8	14.49	18.9	0.5	3.51	3.72	151.95	152.25	1.91	0.12	-1.12	
128	244681	Spring	1	0.32	11.51	16.94	22.01	-0.7	1.12	-0.03	143.16	141.51	2.83	-0.09	3.64	
129	244790	Spring	2	0.2	8.86	13.96	16.84	-0.55	3.68	-24.61	155.05	152.72	3.43	-0.34	1.2	
130	244800	Spring	2	0.29	9.63	13.66	17.24	-0.04	4.37	-13.38	157.78	157.17	3.16	-0.07	0.54	
131	244799	Spring	2	0.13	7.68	13.32	16.63	-0.44	2.99	-6.34	156.03	157.13	2.43	0.09	-2.15	
132	244055	Winter	2	0.07	9.1	14.74	16.82	0.51	5.39	-11.98	161.61	158.67	3.84	-0.28	0.77	

TOP 1% TOP 5% TOP 10% TOP 20%

60 WHITE SUFFOLK FLOCK RAMS

												EATING QUALITY TRAITS				
LOT	TAG ID	BORN	BT	BWT	WWT	PWT	AWT	PFAT	PEMD	PWEC	TCP	LEQ	LMY	IMF	SF5	PURCH/PRICE
133	244968	Spring	3	0.25	12.22	20.92	23.83	-0.28	2.35	-44.85	165.31	166.07	3.96	-0.21	0.22	
134	245025	Spring	3	-0.04	11.16	18.14	20.43	0.87	4.54	-61.27	164.96	169.85	4	0.05	-0.44	
135	244891	Spring	3	0.03	10.59	17.24	20.31	0.38	3.73	-61.25	157.3	161.22	3.61	-0.04	1.01	
136	245110	Spring	2	0.21	10.45	17.13	19.38	0.22	3.9	-47.95	161.11	163.64	4.13	-0.07	-1.25	
137	244889	Spring	2	0.11	11.24	19.76	22.24	0.13	2.88	-31.39	164.75	166.25	3.45	-0.04	-1.33	
138	245029	Spring	2	0.3	10.09	17.1	18.51	-0.55	1.88	-47.74	154.46	160.85	3.25	0.26	-1.28	
139	244907	Spring	1	0.09	10.04	17.23	18.92	0.15	2.77	-39.21	158.93	162.62	3.01	0.09	-1.85	
140	244895	Spring	1	0.15	10.61	18.04	18.95	-0.45	2.17	-30.51	158.77	158.5	3.72	-0.2	-0.45	
141	244144	Winter	2	0.39	11.85	19.52	21.26	0.41	4.47	-69.02	165.95	162.49	4.91	-0.75	1.71	
142	244206	Winter	1	0.01	10.29	16.88	17.83	0.66	4.08	-71.64	160.37	166.2	3.84	0.05	0.03	
143	244198	Winter	2	0.21	9.33	15.72	16.7	1.1	5.08	-59.9	161.58	166.75	3.33	0.09	-2.26	
144	244180	Winter	1	0.39	11.18	17.27	18.38	0.14	3.9	-40.38	161.51	163.05	3.95	-0.1	-0.33	
145	244912	Spring	2	0.18	10.99	17.73	19.81	0.86	4.13	-44.83	162.66	164.25	3.37	-0.12	-0.32	
146	245063	Spring	3	0.13	11.67	18.68	19.93	1.06	4.49	-52.75	163.68	166.96	4.16	-0.02	0.96	
147	245061	Spring	2	0.03	10.76	17.05	18.88	0.66	4.53	-53.6	161.87	164.95	4.1	-0.05	0.71	
148	244954	Spring	2	0	11.3	18.27	21.4	0.84	3.32	-50.64	154.94	156.77	3.23	-0.13	2.51	
149	244966	Spring	1	0.18	9.2	15.4	16.89	1.06	3.9	-53.36	156.69	160.19	2.59	-0.02	-1.5	
150	244131	Winter	2	0.04	10.05	15.74	18.33	-0.03	3.44	-68.27	158.44	163.18	3.61	-0.04	0.17	
151	244982	Spring	2	-0.05	9.85	16.22	18.4	0.34	4.23	-62.96	158.75	161.91	4.04	-0.13	0.63	
152	245077	Spring	1	0.29	10.67	17.21	19.28	-0.74	1.54	-45.97	153.35	157.39	3.18	0.07	-0.39	
153	244886	Spring	2	0.24	12.32	18.84	21.27	0.75	3.47	-39.3	157.44	157.71	3.3	-0.19	2.16	
154	244978	Spring	2	0.1	10.32	17.32	20.27	0.6	4.4	-62.13	161.73	166.1	3.51	-0.01	-0.04	
155	245017	Spring	2	0.08	10.63	18.04	20.06	0.73	2.81	-59.93	155.89	164	2.34	0.34	-1.8	
156	244199	Winter	2	-0.07	9.94	16.76	18.45	1.01	4.74	-50.16	162.8	167.32	3.64	0.09	-0.7	
157	244871	Spring	1	0.17	10.12	16.58	19.37	0.21	3.98	-36.34	162.5	161.65	3.78	-0.28	-0.66	
158	244883	Spring	2	0.19	11.11	19.13	20.51	-0.38	3.08	-35.38	167.52	167.08	4.9	-0.26	-0.69	
159	245053	Spring	2	0.05	11.29	18.01	20.33	0.4	3.87	-34.8	159.31	159.73	4.01	-0.16	1.57	
160	245130	Spring	1	0.19	11.69	18	19.7	-0.05	3.37	-44.1	162.22	165.26	3.71	0.02	0.69	
161	244882	Spring	2	0.16	10.33	17.43	17.93	0.17	3.8	-40.45	167.03	167.36	4.07	-0.21	-1.53	
162	244898	Spring	2	0.25	10.45	16.85	17.25	-0.15	4.04	-53.32	167.82	169.82	4.53	-0.17	-0.59	
163	245121	Spring	2	0.29	12.59	20.46	21.87	0.11	2.6	-55.31	165.97	168.72	3.64	-0.1	-0.51	
164	245062	Spring	2	0.01	10.1	16.06	18.05	0.74	4.1	-53.6	156.65	160.93	3.52	0.05	0.45	
165	245066	Spring	2	0.07	10.82	17.32	19.51	0.64	4.05	-53.38	157.37	159.79	3.72	-0.11	1.18	

TOP 1% TOP 5% TOP 10% TOP 20%

60 WHITE SUFFOLK FLOCK RAMS

										EATING QUALITY TRAITS					
LOT	TAG ID	BORN	BT	BWT	WWT	PWT	AWT	PFAT	PEMD	PWEC	TCP	LEQ	LMY	IMF	SF5	PURCH/PRICE
166	244151	Winter	3	-0.01	11.44	18.43	21.09	1.05	4.88	-32.54	164.48	165.87	3.85	-0.04	0.33	
167	245036	Spring	2	0.21	10.23	17.38	19.94	-0.15	2.58	-46.05	157.9	159.92	3.49	-0.11	-0.94	
168	244932	Spring	2	0.07	8.61	14.67	16.02	0.74	4.22	-68.29	154.37	160.77	3.15	0.12	-0.66	
169	245059	Spring	2	0.15	11.13	18.32	21.23	0.28	3.13	-55.37	157.13	160.16	3.58	-0.08	1.18	
170	244885	Spring	2	0.19	10.66	16.91	18.5	0.43	3.39	-47.21	158.21	161.33	3.36	-0.01	-0.45	
171	245032	Spring	2	0.1	10.59	17.55	20.09	0.97	4.6	-57.07	161.55	165.11	3.59	-0.04	0.19	
172	244892	Spring	3	-0.11	10	16.98	19.99	1.08	4.28	-61.25	157.98	163.17	3.02	0.08	0.15	
173	244930	Spring	2	0.2	10.48	17.11	17.73	0.54	2.74	-34.32	153.52	155.12	3.11	-0.05	0.79	
174	244189	Winter	2	0.5	12.32	19.58	22.89	-0.49	4	-29.52	171.11	165.33	4.82	-0.65	0.24	
175	245033	Spring	2	0.14	10.21	17.29	19.83	0.98	4.26	-57.07	159.08	163.32	3.26	0.02	-0.16	
176	244994	Spring	1	0.14	11.12	17.96	20.65	0.11	3.24	-51.13	157.36	159.7	3.97	-0.12	1.06	
177	244884	Spring	2	0.21	10.24	15.92	17.52	0.28	3.27	-47.21	155.64	158.81	3.29	-0.01	-0.46	
178	245071	Spring	2	0.05	9.88	16.14	19.35	0.52	3.88	-59.98	156.57	161.42	3.2	0.04	-0.05	
179	245070	Spring	2	0.13	10.25	17.01	20.11	1.28	4.49	-59.98	158.96	164.48	2.83	0.11	-0.67	
180	245133	Spring	2	0.04	9.55	16.65	19.08	0.82	3.59	-28.86	159.41	162.84	2.48	0.15	-2.35	
181	245034	Spring	2	0.09	10.92	18.56	19.93	0.91	5.02	-57.81	167.69	170.26	4.22	-0.13	-0.1	
182	244190	Winter	2	0.34	12.69	19.8	22.45	0.17	4.25	-40.34	168.24	161.39	4.84	-0.81	1.64	
183	245065	Spring	1	0.02	9.54	15.99	18.24	1.32	4.7	-60.7	158.12	163.35	2.99	0.08	-0.27	
184	244943	Spring	3	0.05	10.66	16.65	18.85	0.39	4.23	-56.32	160.33	161.86	3.87	-0.21	0.96	
185	245144	Spring	1	0.35	10.38	16.53	19.96	-0.01	2.99	-38.89	157.41	159.3	2.64	-0.05	-1.03	
186	245093	Spring	2	0.04	9.23	15.31	15.78	0.71	4.02	-64.89	156.16	163.98	3.13	0.27	-0.82	
187	245087	Spring	2	0.08	10	15.9	17.67	0.07	3.76	-60.25	156.33	160.12	3.85	-0.05	0.25	
188	244894	Spring	1	0.05	9.07	14.63	16.01	1.17	4.3	-38.56	154.86	158.63	2.38	0.12	-1.4	
189	244127	Winter	2	0.09	10.76	17.42	20.33	0.55	3.94	-51.91	157.51	159.77	3.59	-0.11	0.33	
190	245049	Spring	2	0.14	10.99	18.08	20.04	0.62	3.93	-41.65	159.62	162.2	3.63	-0.01	0.67	
191	245090	Spring	2	0	9.55	16.61	18.26	-0.17	2.53	-50.12	158.9	163.33	3.11	0.06	-1.98	
192	244204	Winter	3	0.08	9.21	15.5	17.59	0.43	3.51	-52.18	157.23	162.57	2.71	0.14	-2.12	

TOP 1% TOP 5% TOP 10% TOP 20%

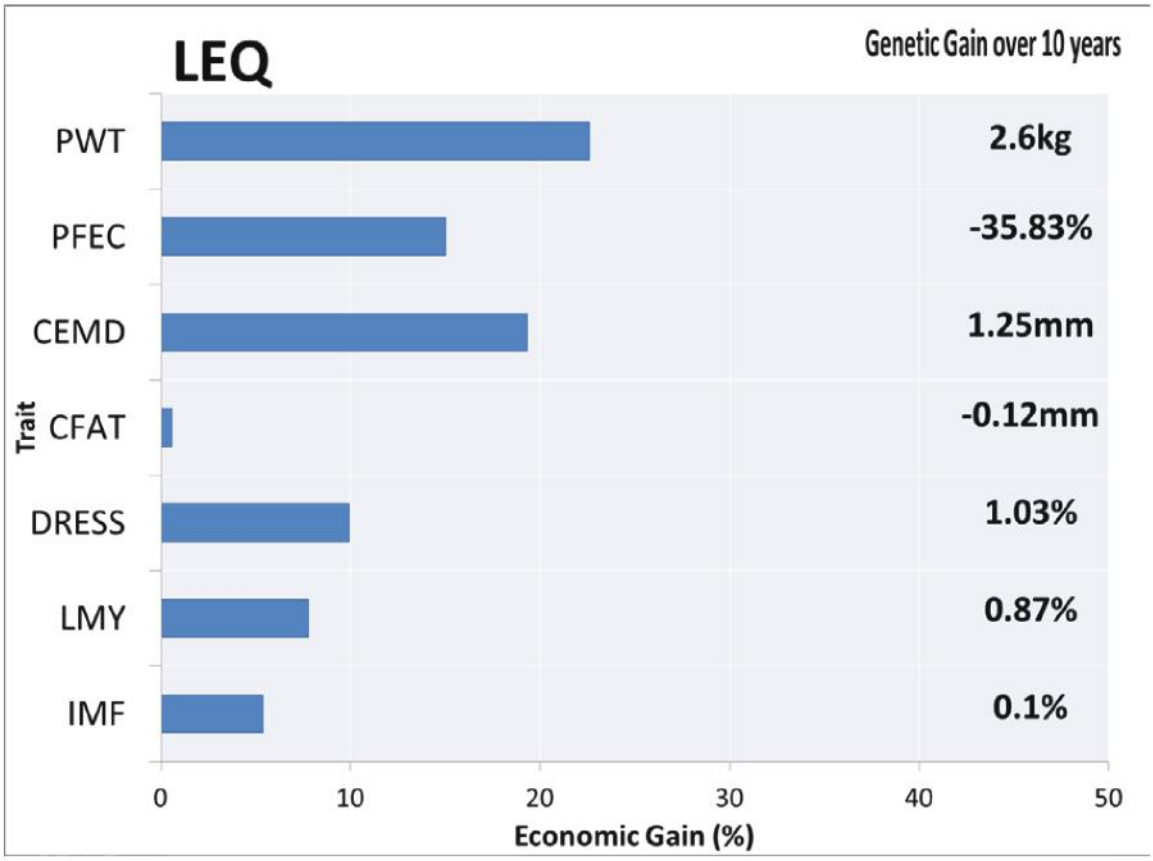
16 MULTI-MEAT COMPOSITES FLOCK RAMS
HOMOZYGOTE

												EATING QUALITY TRAITS					
LOT	TAG ID	BORN	BT	BWT	PWT	AWT	PFAT	PEMD	PWEC	YGFW	YFD	MWP +	MCP +	LMY	IMF	SF5	PURCH/PRICE
193	244440	Spring	4	0.69	14.43	14.87	-0.89	0.79	-23.24	6.18	-0.09	191.23	147.83	5.31	-0.53	4.81	
194	244353	Spring	4	0.75	13.33	12.83	-0.12	2.16	-42.58	-17.58	-3.1	203.63	156.54	5.54	-0.56	2.78	
195	244441	Spring	4	0.48	11.81	11.82	-0.61	1.19	-21.82	4.14	-0.34	180.21	144.65	4.66	-0.43	3.43	
196	244507	Spring	2	0.78	14.11	13.28	-0.26	2.04	-28.26	3.36	-0.26	195.42	155.47	5.44	-0.39	3	
197	244508	Spring	2	0.64	14.11	13.1	-0.85	2.13	-28.26	3.65	-0.26	195.75	155.84	6.08	-0.51	3.15	
198	244319	Spring	3	0.5	13.08	11.74	-0.48	1.2	-20.38	2.34	-0.34	193.91	155.99	4.98	-0.38	4.04	
199	244395	Spring	4	0.51	12.89	11.67	0.24	2.53	-56.39	-16.46	-3.3	204.93	159.11	5.39	-0.51	1.58	
200	244295	Spring	4	0.55	13.66	12.58	-0.41	2.67	-31.09	1.37	-0.09	195.44	158.11	5.95	-0.75	2.76	
201	244329	Spring	2	0.59	11.96	11.06	-0.43	2.12	-59.23	-9.86	-2.52	188.77	145.86	5.34	-0.47	2.04	
202	244413	Spring	3	0.6	8.87	8.38	-1.32	-0.31	-32.49	13	-4.91	184.24	132.63	3.54	-0.36	2.43	
203	244363	Spring	4	0.36	8.26	6.26	-0.75	-0.05	-31.17	-3.73	-7.18	189.38	133.6	3.34	-0.41	1.84	
204	244339	Spring	1	0.63	9.18	7.26	-0.44	2	-39.87	-4.23	-1.6	172.66	142.12	4.56	-0.31	0.9	
205	244406	Spring	3	0.47	8.56	6.53	-0.98	0.11	-33.14	-5.7	-6.03	185.9	134.14	3.72	-0.41	1.38	
206	244445	Spring	3	0.44	6.71	4.1	-0.88	0.13	-47.65	-4.21	-6.18	182.18	136.22	3.44	-0.32	1.78	
207	244407	Spring	3	0.36	7.83	5.83	-1.12	-0.01	-47.81	-6.08	-6.1	183.76	133.26	3.64	-0.4	1.45	
208	244446	Spring	3	0.35	6.42	3.87	-0.86	0.19	-37.6	-4.34	-6.15	180.06	135.24	3.43	-0.31	1.96	

TOP 1% TOP 5% TOP 10% TOP 20%

LAMBPLAN Terminal Eating Quality Indexes
LAMB2020 + EQ (LEQ)

The Lamb 2020 Eating Quality index is targeted at terminal producers interested in improving the meat eating quality of their prime lambs while continuing to improve production traits in a balanced way. The LEQ index is similar to the EQ index however is based on the same production targets as Lamb 2020 where birthweight (BWT) and worm egg count (WEC) are important in the breeding objective. The greater emphasis on WEC is the main difference between LEQ and EQ. The graph below represents the predicted economic gains for each trait of interest in the index and also expresses the expected 10 year gains for the individual traits.



For more information contact Sheep Genetics
Ph: 02 8055 1818 Fax: 02 8055 1850
info@sheepgenetics.org.au www.sheepgenetics.org.au
Sheep Genetics is a joint program of Meat & Livestock Australia Limited ABN 39 081 678 364
and Australian Wool Innovation Limited ABN 12 095 165 558

Understanding LAMBPLAN ASBVs

Rams with lower ASBVs for birth weight (BWT) produce lambs with lower birth weight. Both low (lamb survival) and high (lambing difficulties) birth weights should be avoided.

Rams with more positive ASBVs for post weaning weight (PWT) produce lambs that grow quicker and reach target weights in a shorter time. This ram will produce lambs that are, on average, 3kg heavier at post weaning age (7.5 months) than a ram with an ASBV of 0.

Worm egg count (WEC) ASBVs estimate an animals genetic potential for worm burdens. Lower WEC ASBVs are desirable. This ram will, on average, sire progeny that will have 5% fewer eggs/gram than a ram with an ASBV of 0.

Trait	BWT (kg)	WWT (kg)	PWT (kg)	PFAT (mm)	PEMD (mm)	WEC (%)	INDEX
ASBV	0.3	4	6.0	-1.5	1.0	-10	150
Acc	*43*	*63*	*71*	*59*	*69*	*37*	

Rams with a more positive ASBV for weaning weight (WWT) will, on average, produce lambs that grow quicker to weaning. This ram will produce lambs that are 2kg heavier than a ram with a 0 ASBV for WWT.

Rams with a more negative ASBV for post weaning fat (PFAT) will produce lambs that are leaner, at the same weight. This ram will produce lambs that are, on average, 0.75mm leaner at the GR site when compared to a ram with a FAT ASBV of 0.

Rams with more positive ASBVs for post weaning eye muscle depth (PEMD) produce lambs that have more muscle, independent of weight, and a higher lean meat yield. This ram will produce lambs that have, on average, a 0.5mm deeper eye muscle than a ram with a 0 EMD ASBV.

An index is a guide to the value of a ram for a particular market. Rams with higher indexes will produce lambs that are more suited to that particular market target. It is important to understand what market the index applies to before using an index.

- **An ASBV of 0 is the average of the 1990 drop. It is important to compare ASBVs against current industry average.**
- *Note: A useful rule of thumb for converting ram ASBVs into lamb production differences is to simply halve the ASBV (as rams contribute half the genetics of the lamb).*
- Accuracy - published as a percentage, is a reflection of the amount of effective information that is available to calculate the ASBV. All ASBVs are now published with accuracies. The higher the percentage, the closer the ASBV is to the true breeding value of the animal. Breeding values without accuracies are Flock Breeding Values (FBVs) and can only be compared within the flock.
- MLA acknowledges the contributions of the Australian Government and AWI in the development of this publication.

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Understanding Carcase and Eating Quality Traits

Sheep Genetics report ASBVs for a number of carcase traits, including eating quality traits that can be estimated through using genomic information (DNA samples). As eating quality becomes increasingly important to consumers, it is important that we balance both carcase traits and eating quality traits in our breeding programs.

Dressing Percentage

Rams with more positive dressing percentage (DRESS) ASBVs produce lambs that have a higher dressing percentage at slaughter. A ram with an ASBV of 2.0 will produce progeny that dress out 1.0 percent higher than progeny of a ram with an ASBV of 0.

Intramuscular Fat

Intramuscular fat (IMF) is a measure of the chemical fat percentage in the loin muscle of a lamb and is often referred to as marbling. IMF has been shown to have a significant impact on the flavour, juiciness, tenderness and overall likeability of lamb. Rams with more positive Intramuscular Fat (IMF) ASBVs produce progeny with higher levels of intramuscular fat.

Eye Muscle Depth

Eye Muscle Depth (EMD) ASBVs estimate the genetic difference between animals in eye muscle depth at the C site. Rams with more positive ASBVs for EMD will produce progeny that have more muscle, independent of weight, and a higher lean meat yield. EMD is reported as Weaning (WEMD), Post Weaning (PEMD), Yearling (YEMD) and Hogget (HEMD) ages.

Fat Depth - C Site

Carcase C site fat (CCFAT) ASBVs estimate the genetic difference between animals in fat depth at the C site, as measured on the carcase. ASBVs for CCFAT are calculated through genomic information. A ram with an ASBV of -1.2 will produce progeny 0.6 mm leaner than progeny of a ram with an ASBV of 0.

Trait	Dress %	LMY %	IMF %	SF5 kg	EMD mm	FAT mm	CCFAT mm
ASBV	2.0	2.4	-0.1	-0.5	2.2	-1.0	-1.2
Acc	*52*	*62*	*50*	*45*	*70*	*68*	*57*

Lean Meat Yield

Rams with more positive Lean Meat Yield (LMY) ASBVs produce lambs that have a higher Lean Meat Yield percentage at slaughter. Lean meat yield is expressed as a percentage of the initial Hot Standard Carcase Weight. All bone and salvage fat is removed. A ram with an ASBV of 2.4 will produce progeny that are 1.2 percent higher than progeny of a ram with an ASBV of 0.

Shear Force (5 days)

Shear force is a measure of the force or energy required to cut through the loin muscle of lamb after 5 days of ageing, the ASBV is reported in deviations of kilograms of force. Rams with more negative SF5 ASBVs produce lambs with more tender meat.

Fat Depth - GR Site

Rams with more negative FAT ASBVs produce progeny that are leaner. FAT ASBVs estimate the genetic difference between animals in GR fat depth. FAT is reported as Post Weaning (PFAT), Yearling (YFAT), Hogget (HFAT) ages and Carcase (CFAT).

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info@sheepgenetics.org.au www.sheepgenetics.org.au

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Sheep GENETICS

MEAT & LIVESTOCK AUSTRALIA

Terminal Carcase Production (TCP) index

Replacement for Carcase Plus

Key points

- Carcase Plus has been an important index for the sheepmeat industry but it has been found to have a negative impact on eating quality. Because of this and the industry's focus on delivering high eating quality outcomes for consumers, the index will be retired in March 2020.
- Carcase Plus will be replaced with the Terminal Carcase Production index. To assist in the transition between indexes both Carcase Plus and Terminal Carcase Production will be available for the 2019 ram buying season.
- The Terminal Carcase Production (TCP) index will give similar improvements in growth and lean meat yield as Carcase Plus while also maintaining eating quality.

What is the new TCP index?

Indexes help producers select animals for use within a breeding program when there are a range of traits of economic or functional importance. This ensures that genetic gain in one trait is not made in isolation from other traits. Using indexes in ram purchasing decisions allow producers to make balanced genetic progress towards more profitable sheep.

The TCP index has been created to assist producers to achieve both gains in their major production traits, such as post-weaning weight and muscling, as well as ensuring consumer satisfaction from lamb is maintained through focusing on key eating quality traits such as shear force (tenderness) and intramuscular fat (marbling).

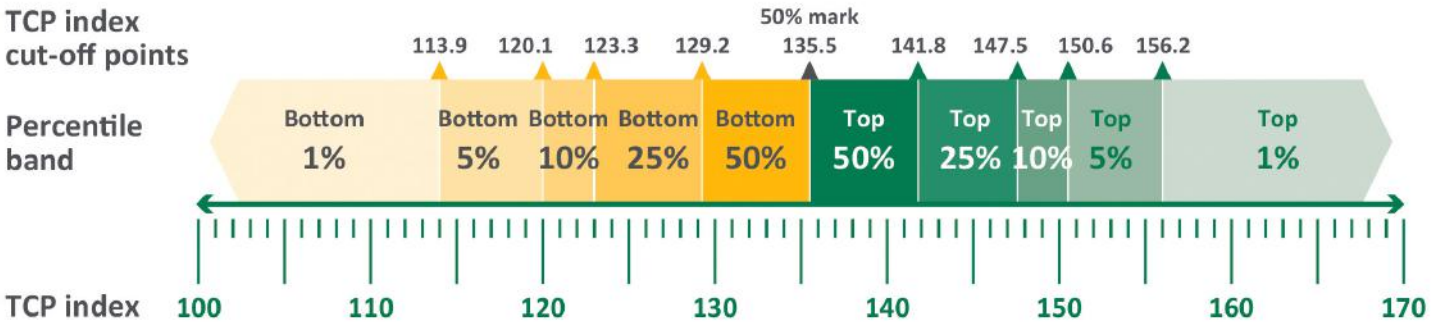
The TCP index is designed to suit a production system where:

- all progeny are terminal
- improving growth and muscle is of commercial benefit
- increasing lean meat yield has a positive financial impact
- a small degree of emphasis is included to maintain or improve eating quality.

Using the TCP index

The TCP index, unlike Carcase Plus, is on a scale that is aligned with other Sheep Genetics' indexes and is represented in economic terms with a unit increase in the index reflecting an additional dollar per ewe joined per year. To assist in comparing rams, Sheep Genetics recommends using a percentile band table as reference. The figure below, which is based on the percentile band table, highlights the TCP index value for significant percentiles for the 2018 drop animals.

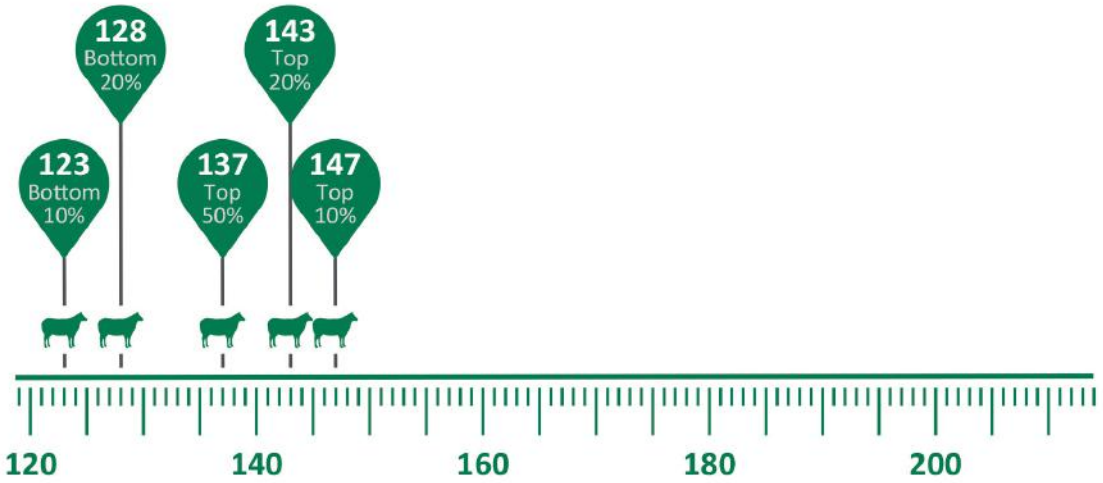
Percentile band range graphic for TCP index 2018 drop animals



Comparison of TCP and Carcase Plus index values for significant percentiles for 2018 drop animals

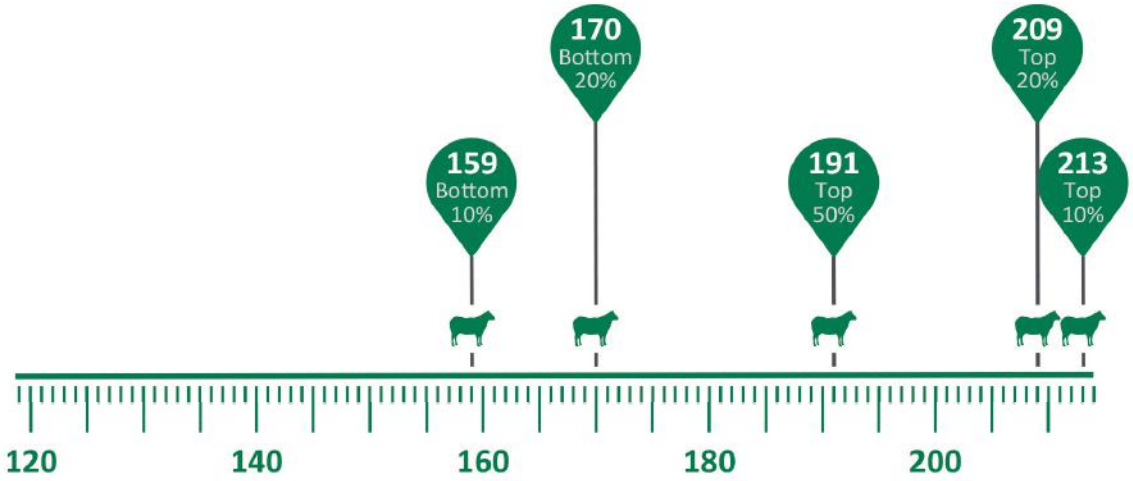
Terminal Carcase Production

Replacement for Carcase Plus



Carcase Plus

Discontinued March 2020



More information 02 8055 1818 info@sheepgenetics.org.au www.sheepgenetics.org.au

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