



Waratah White Suffolks

Steve and Debbie Milne

On property Sale 1.00pm Branhholme

(Covid Management Plan in place)

90 Rams 18 Stud Ewes

LMB Livestock Bernie Grant Ph 0417 712 144

LMB LIVESTOCK



 AuctionsPlus[®]



Sheep Industry Innovation

Steve and Debbie Milne Agribusiness Consultants

PO Box 15 Branholme Vic 3302

Ph 03 55786327 or Steve 0428 786327, Debbie 0407 724066

Email sjdmilne@bigpond.com

- **Ultrasound Carcase Scanning**
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www.rhag.com.au

Waratah White Suffolks

90 Rams ~ 18 Stud Ewes

**On property
Clarke St, Branxholme Vic**

**1.00pm Monday October 12th
Inspection from 11.00 am**

Covid-19 safe plan in operation on sale day including registration on arrival, compulsory masks, social distancing and hand sanitizer stations. Please do not attend if you are unwell. Sale is interfaced with Auctions Plus with live audio. All sheep will be delivered (no delivery on sale day).

Due to Covid 19 restrictions lunch will not be available.

Covid-19 safe Pre-sale inspections days will be held by appointment only on Monday 5th October and Friday 9th October. Ring Steve or Bernie Grant LMB Livestock to book your appointment.

Waratah White Suffolks Steve & Debbie Milne

Steve 0428 786327

Debbie 0407 724066

Bernie Grant, LMB Livestock 0417 712144

3% rebate to outside Agents

To be eligible for AWSA transfer as a stud sire minimum ram price is \$2000 (plus GST)





LAMBPLAN

The information in this catalogue is to help you make an informed decision on the objective merits of the sheep on sale. The ASBVs can be used to select the sheep that will most suit your growing conditions and the market that you are aiming to service.

An ASBV is an estimate of the genetic potential a sheep will pass on to its progeny. ASBVs are available for a range of economically important traits and are designed to be used in conjunction with visual selection.

The appearance and performance of an animal is a combination of its genes and the environment in which it is raised (e.g. the amount and quality of feed, single or twin birth type). ASBVs account for these environmental effects, allowing the comparison of sheep based on the genes they will pass on to their progeny. It is important to remember when selecting sheep you are choosing the genes, not the environment.

ASBV's

ASBVs are expressed as either positive or negative deviations from the average of the 1990 drop. For example, a ram with a post weaning weight (Pwwt) of +10.2, will have progeny that will on average be 5.1kg heavier at post weaning than an animal with a Pwwt ASBV of 0. (Rams contribute half the genetics of their progeny the ewe the other half)

ASBV ACCURACY (%)

This is a reflection of the amount of information available on each animal for each trait. As the amount of information increases the accuracy increases. The higher the accuracy, the closer the ASBV is to the true breeding value of the animal.

Bwt: Birth Weight (kg)

Rams with more negative BWT ASBVs produce lambs which are lighter at birth. *(BWT ASBVs estimate the genetic difference between animals in live weight at birth)*

Wwt and Pwwt: Weaning and Post weaning Weight (kg) - Rams with more positive WT ASBVs produce progeny that grow quicker and are heavier at a certain age. Wwt refers to lambs at 3 to 6 months of age. Pwwt refer to lambs at 7 to 10 months of age. *(WT ASBVs estimate the genetic difference between animals in live weight at a given age)*

Pfat: Fat Depth (mm)

Rams with more negative FAT ASBVs produce progeny that are leaner. *(FAT ASBVs estimates the genetic difference between animals in GR fat depth)*

Pemd: Eye Muscle Depth (mm) - Rams with more positive ASBVs for EMD will produce progeny that have more muscle, independent of weight, and a

higher lean meat yield. (*EMD ASBVs estimate the genetic difference between animals in eye muscle depth at the C site*)

WEC: Worm Egg Count (%) - Rams with more negative WEC ASBVs produce progeny who have a higher genetic potential to resist worm burdens. Lower WEC ASBVs are desirable. (*WEC ASBVs estimate an animal's genetic ability for carrying worm burdens. This is a combination of being genetically less likely to pick up worms, and being able to cope immunologically with the worm burden. WEC ASBVs are expressed as a percentage relative to a count of 500 eggs per gram*)

Sheep Selection

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 particular index.

For more information go to www.sheepgenetics.org.au

“Eating Quality” ASBV's

Eating quality traits are now able to be measured using a DNA genomic test. Steve and Debbie have included these traits into their breeding program. They have tested over 325 sheep to improve the pedigree information that Sheep Genetics uses in the calculation of these eating quality ASBVs. This information is now included in the catalogue.

- Dressing% (Dress%) Dressing Percentage is an estimate of the carcass weight as a proportion of live weight at slaughter
- Lean Meat Yield (LMY) gives an indication of the proportion of meat compared to fat and bone in the carcass.
- Intra Muscular Fat (IMF) gives an indication of the amount of fat within the meat, important for taste and flavour.
- Shear Force (SF5) is an indication of tenderness—the amount of force required to cut through a piece of meat. The more negative the breeding value for this trait the better—less force = more tender!

There is an undesirable correlation between lean meat yield (more muscle) and eating quality (taste and tenderness). A new index called LEQ is available that aims to improve eating quality traits whilst improving carcass production.

Percentile Report

Analysis **TERMINAL** Dated 1/08/2020

Animals born in 2019

Count 116601

Band	Bwt kg	Wwt kg	PWwt kg	Ywt kg	Pfat mm	Yfat mm	Pemd mm	Yemd mm	Ysc cm	Hsc cm	Pfec %	Yfec %	MV
0	-0.92	15.0	23.1	23.5	3.3	4.2	5.6	5.3	6.2	5.0	-82	-76	10
1	-0.55	12.3	19.1	19.6	0.9	0.9	4.0	3.7	5.2	4.5	-62	-59	9
2	-0.49	12.0	18.6	19.0	0.7	0.7	3.7	3.5	5.1	4.4	-59	-56	8
3	-0.44	11.8	18.3	18.7	0.6	0.6	3.5	3.3	5.0	4.3	-57	-54	7
4	-0.40	11.6	18.0	18.4	0.5	0.5	3.4	3.1	5.0	4.2	-55	-52	6
5	-0.35	11.5	17.8	18.2	0.4	0.4	3.3	3.0	4.9	4.2	-54	-50	5
10	0.04	11.0	17.1	17.5	0.2	0.2	2.9	2.7	4.7	4.0	-49	-46	4
15	0.15	10.7	16.6	17.0	0.1	0.0	2.7	2.4	4.6	4.0	-46	-42	3
20	0.20	10.5	16.2	16.6	0.0	-0.1	2.5	2.2	4.5	3.9	-43	-39	2
25	0.24	10.2	15.8	16.2	-0.1	-0.2	2.3	2.1	4.4	3.8	-40	-37	1
30	0.27	10.0	15.4	15.9	-0.2	-0.3	2.2	1.9	4.3	3.7	-37	-34	0
35	0.29	9.8	15.1	15.6	-0.3	-0.4	2.1	1.8	4.2	3.7	-35	-32	0
40	0.32	9.6	14.8	15.3	-0.3	-0.5	1.9	1.7	4.1	3.6	-32	-29	0
45	0.34	9.4	14.4	15.0	-0.4	-0.5	1.8	1.5	4.1	3.6	-30	-27	0
50	0.36	9.2	14.1	14.6	-0.5	-0.6	1.7	1.4	4.0	3.5	-28	-25	0
55	0.38	9.0	13.7	14.3	-0.5	-0.7	1.6	1.3	3.9	3.4	-25	-22	0
60	0.39	8.7	13.3	13.9	-0.6	-0.7	1.5	1.2	3.8	3.4	-23	-20	0
65	0.41	8.5	12.9	13.5	-0.6	-0.8	1.3	1.1	3.7	3.3	-20	-17	0
70	0.43	8.2	12.4	13.0	-0.7	-0.9	1.2	1.0	3.6	3.2	-18	-15	0
75	0.46	7.8	11.8	12.4	-0.8	-0.9	1.1	0.8	3.5	3.1	-15	-11	0
80	0.48	7.4	11.2	11.7	-0.9	-1.0	0.9	0.7	3.3	3.0	-12	-8	0
85	0.50	6.9	10.4	10.6	-0.9	-1.1	0.7	0.5	3.1	2.7	-8	-4	0
90	0.54	6.2	9.4	9.3	-1.1	-1.2	0.5	0.3	2.8	2.2	-3	2	0
95	0.59	5.2	8.1	7.6	-1.2	-1.4	0.2	0.0	2.3	1.7	6	10	0
96	0.60	4.9	7.7	7.1	-1.3	-1.4	0.1	-0.1	2.2	1.6	9	12	0
97	0.62	4.6	7.3	6.6	-1.4	-1.5	0.0	-0.2	2.0	1.4	13	16	0
98	0.65	4.1	6.7	6.0	-1.4	-1.6	-0.1	-0.3	1.8	1.2	17	21	0
99	0.69	3.5	6.0	5.1	-1.6	-1.7	-0.3	-0.6	1.6	0.8	25	29	0
100	1.13	-1.9	-3.0	-1.8	-2.9	-2.8	-1.8	-2.0	0.0	0.4	112	95	0



Wwt kg	NLW %	LMY	IMF	Dress	ShrF5	LEQ		MCP		EQ		
		%	%	%	N	TCP	Trade\$	SRC	Export\$			
0.2	21	7.2	2.3	4.3	-8.5	178.3	178.6	117.7	175.9	159.1	173.5	118.4
6.2	13	5.3	0.3	3.3	-2.9	157.8	156.8	115.4	160.0	150.2	154.8	114.5
5.5	12	5.0	0.1	3.2	-2.1	155.8	154.0	115.0	158.0	148.7	152.2	113.8
5.0	11	4.8	0.1	3.1	-1.7	154.4	152.0	114.7	156.7	147.8	150.4	113.4
4.6	11	4.7	0.0	3.0	-1.3	153.4	150.4	114.5	155.8	147.0	149.0	113.1
4.4	11	4.6	0.0	3.0	-1.0	152.5	149.1	114.3	155.0	146.4	147.9	112.9
3.9	9	4.3	-0.2	2.7	-0.1	149.1	144.4	113.7	152.3	144.4	143.6	112.0
3.6	8	4.1	-0.2	2.6	0.5	146.7	141.2	113.3	150.5	143.1	140.7	111.3
3.4	8	3.9	-0.3	2.5	0.9	144.8	138.9	112.9	148.9	141.9	138.4	110.7
3.3	7	3.8	-0.3	2.4	1.3	143.0	136.9	112.5	147.5	140.9	136.5	110.2
3.1	6	3.6	-0.4	2.3	1.6	141.5	135.2	112.1	146.2	139.9	134.8	109.7
3.0	6	3.5	-0.4	2.2	2.0	140.2	133.7	111.7	144.8	139.0	133.3	109.2
2.9	5	3.4	-0.4	2.1	2.3	138.9	132.2	111.4	143.6	138.1	131.9	108.7
2.8	5	3.3	-0.5	2.0	2.6	137.6	130.9	111.0	142.3	137.1	130.5	108.1
2.6	4	3.1	-0.5	1.9	2.9	136.4	129.6	110.5	141.0	136.1	129.2	107.6
2.5	4	3.0	-0.5	1.8	3.3	135.2	128.4	110.1	139.6	135.0	128.0	107.0
2.4	4	2.9	-0.6	1.7	3.6	133.9	127.2	109.6	138.1	133.8	126.9	106.3
2.2	3	2.7	-0.6	1.7	4.0	132.6	126.0	109.2	136.5	132.5	125.6	105.6
2.1	3	2.5	-0.7	1.6	4.4	131.3	124.8	108.7	134.7	130.9	124.4	104.8
1.9	2	2.3	-0.7	1.5	4.8	129.9	123.5	108.2	132.9	129.3	123.1	103.8
1.7	1	2.0	-0.7	1.4	5.3	128.3	122.0	107.6	130.9	127.3	121.7	102.6
1.5	1	1.7	-0.8	1.2	5.8	126.4	120.3	107.0	128.6	125.1	120.0	101.1
1.2	0	1.3	-0.9	1.1	6.4	123.9	118.2	106.3	125.8	122.4	117.8	99.1
0.7	-2	0.8	-1.0	0.9	7.2	119.7	114.8	104.9	121.4	119.1	114.5	95.8
0.6	-3	0.6	-1.0	0.8	7.5	118.4	113.6	104.4	120.1	118.2	113.3	94.6
0.4	-3	0.4	-1.1	0.8	7.8	116.8	112.1	103.7	118.6	117.2	111.8	93.2
0.2	-4	0.2	-1.1	0.6	8.1	114.5	109.9	102.8	116.5	115.8	109.7	91.0
0.3	-5	-0.2	-1.2	0.5	8.7	110.7	106.6	100.9	113.4	113.8	106.3	86.7
2.9	-15	-2.9	-2.1	-0.8	13.4	88.3	89.3	74.4	90.1	92.9	89.1	0.9

Waratah
Flock No 318
Steve & Debbie Milne, Richmond Hill, Branhholme, 55786327

Vision, Performance, Integrity

Waratah White Suffolk Stud was founded in October 1995. Foundation ewes were purchased from Detpa Grove, the White Suffolk National Sale and Gadang.

Since foundation the Waratah flock has been performance tested through Lambplan. Rapid genetic improvement has been made in the economically important traits of growth and muscling. At the same time, selection pressure is placed on easy lambing, fertility, parasite resistance and structural soundness. We now include eating quality traits in our breeding objective.

Our goals are to produce rams that will sire lambs to meet the requirements of the domestic market specifications. To that end, we aim to produce rams with low birth weight, high growth rate, moderate fat (too lean and the lambs will be hard to finish) and excellent muscle. We are also now focusing on eating quality traits to produce tender tasty lamb.

The flock is Brucellosis accredited (Accreditation No. 3463), OJD MAP MN3 - V (VS1167). All sale sheep drenched with Startect and are vaccinated with 6 in 1.

Waratah Sale Rams
Lambplan run 15th August 2020

	Bwt	Wwt	Pwwt	Pfat	Pemd	Pwec	LEQ	TCP
Sale rams average	0.33	10.5	16.6	0.0	2.6	-38	148	150
Terminal 2019 drop average	0.36	9.2	14.1	-0.5	1.7	-28	130	136

WARATAH

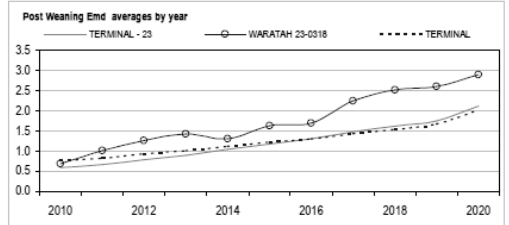
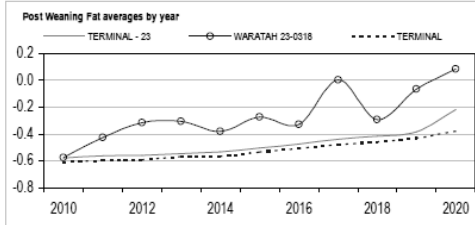
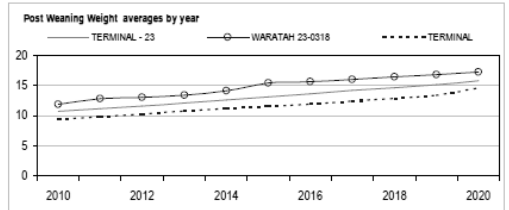
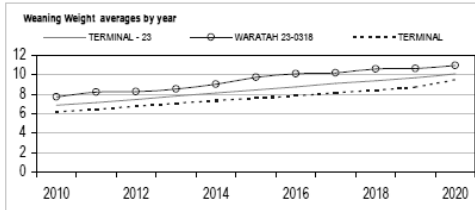
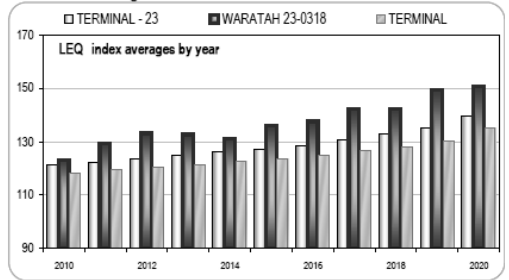
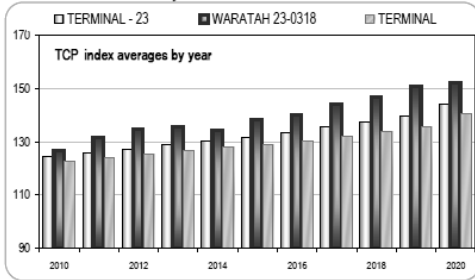
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SHEEP GENETICS

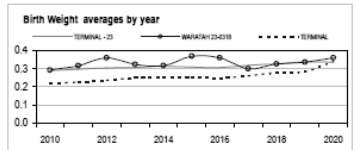


Analysis : **TERMINAL - 23**

Dated : 15 August 2020



TERMINAL - 23								
	Bwt	Wwt	Pwvt	Pfat	Pemd	TCP	LEQ	Counts
2011	0.30	7.15	11.14	-0.56	0.67	125.8	122.5	48269
2012	0.30	7.47	11.60	-0.56	0.78	127.1	123.4	48400
2013	0.31	7.81	12.13	-0.55	0.89	128.8	124.7	46679
2014	0.31	8.14	12.64	-0.53	1.04	130.5	126.1	46023
2015	0.31	8.42	13.08	-0.51	1.17	131.8	127.2	47205
2016	0.31	8.74	13.60	-0.48	1.30	133.5	128.7	48305
2017	0.32	9.09	14.17	-0.44	1.47	135.6	130.9	54379
2018	0.33	9.38	14.64	-0.42	1.62	137.8	132.8	51659
2019	0.34	9.68	15.11	-0.38	1.75	139.9	135.1	49009
2020	0.33	10.06	15.82	-0.22	2.11	144.1	139.7	11796



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

WARATAH 23-0318								
	Bwt	Wwt	Pwvt	Pfat	Pemd	TCP	LEQ	Counts
2011	0.32	8.19	12.79	-0.43	1.00	131.6	129.2	211
2012	0.36	8.26	13.07	-0.31	1.25	134.9	133.1	203
2013	0.32	8.50	13.41	-0.31	1.42	135.6	132.7	242
2014	0.32	9.03	14.13	-0.38	1.30	134.2	131.3	263
2015	0.37	9.72	15.40	-0.27	1.62	138.6	136.0	240
2016	0.36	10.09	15.66	-0.33	1.69	140.1	137.6	242
2017	0.30	10.18	16.05	0.00	2.25	144.2	142.2	263
2018	0.33	10.55	16.47	-0.29	2.52	146.8	142.3	248
2019	0.34	10.61	16.83	-0.06	2.60	151.0	149.5	248
2020	0.36	10.91	17.23	0.09	2.89	152.2	150.8	218

Linkage Summary	
WARATAH 23-0318	
Weights	Yes
Carcase	Yes
WEC	Yes
Reproduction	Yes
Site Code	230318

20-August-2020



LAMBPLAN terminal indexes

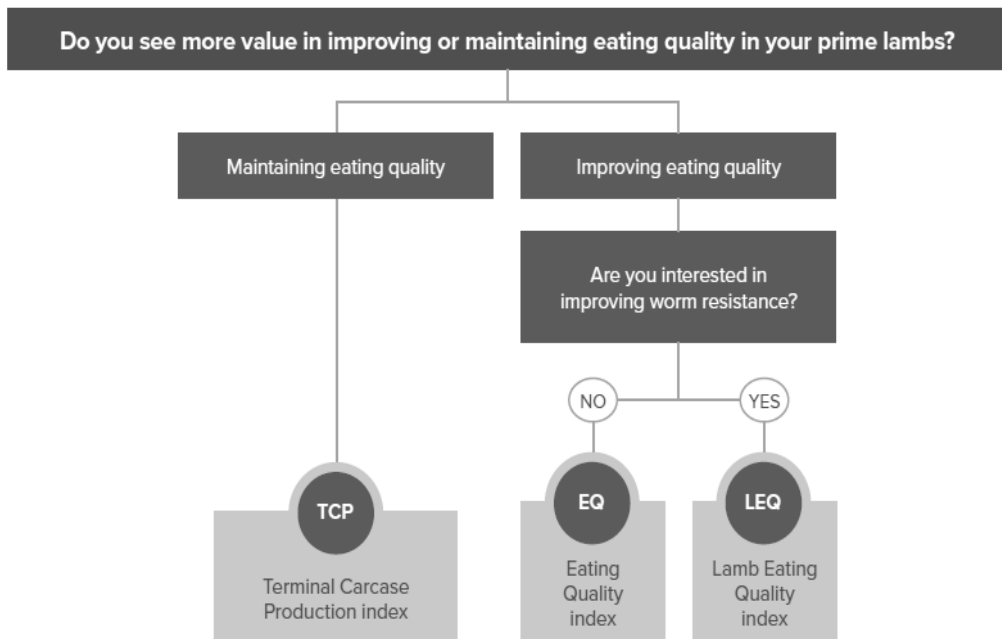
A ram buyer's guide

Indexes help producers select animals for use within a breeding program when there are a range of traits of economic or functional importance, so that genetic gain in one trait is not made in isolation from other traits.

Using indexes in your ram purchasing decisions allows you to make balanced genetic progress towards more profitable sheep. A ram with a higher index will produce progeny that are more profitable in that production system.

Choosing the right index

The following flowchart helps producers determine the best index for their terminal production system:



Terminal Carcase Production (TCP)

The TCP index is for a prime lamb production system where terminal sires are joined to ewes of a Merino/ maternal breed or cross. The TCP index focuses on increasing weight and muscle while reducing carcase fat. These are changes which contribute to higher lean meat yield. TCP also has emphasis on modest improvements in eating quality.

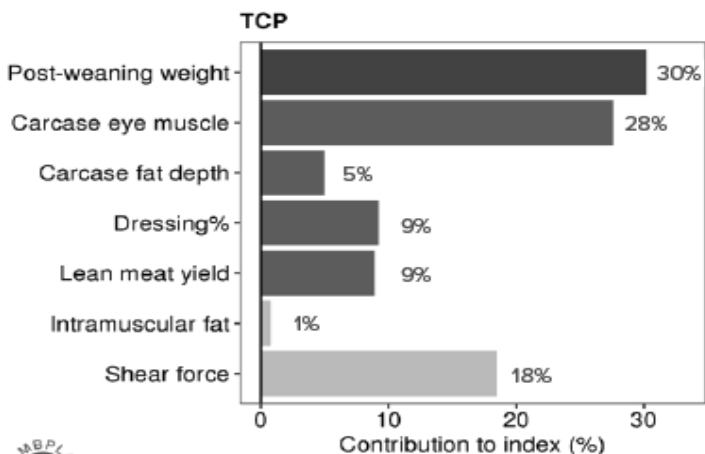
Typical trait changes for the TCP index include:

- increasing post weaning weight
- increasing carcase eye muscle depth
- decreasing carcase fat depth
- increasing dressing percentage
- increasing lean meat yield
- slightly improving eating quality.

Sheep with better eating quality will have higher ASBVs for intramuscular fat (more marbling) and lower ASBVs for shear force (better tenderness).

Figure 1 illustrates which traits are in the index and how much they contribute to the overall balance of the index. The longer the bar, the greater the impact on the index, and the greater impact on the profitability of the production system.

Figure 1: The traits in the TCP Index and how they contribute to the overall balance of the index



Lamb Eating Quality (LEQ)

The LEQ index is for a prime lamb operation where terminal sires are joined to ewes of a Merino/maternal breed or cross in high rainfall and/or high input management systems where internal parasites may cause significant economic losses.

Producers who select this index are interested in improving the eating quality of their lambs to a greater degree than is possible with the TCP index. Growth and carcass traits will still improve, and inclusion of worm egg count will aid in control of internal parasites.

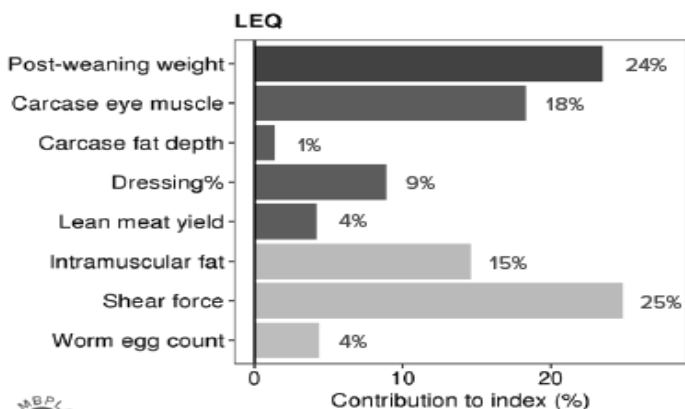
Typical trait changes for the LEQ index include:

- increasing post weaning weight
- increasing eye muscle depth
- maintaining/small reduction in carcass fat
- increasing dressing percentage
- increasing lean meat yield
- large improvement in eating quality
- increasing resistance to worms.

Sheep with better eating quality will have higher ASBVs for intramuscular fat (more marbling) and lower ASBVs for shear force (better tenderness).

Figure 3 illustrates which traits are in the index and how much they contribute to the overall balance of the index. The longer the bar, the greater the impact on the index, and the greater impact on the profitability of the production system.

Figure 3: The traits in the LEQ Index and how they contribute to the overall balance of the Index



Rams

Lot 1	Tag 190398		DOB 18/06/19		Twin			Sire		Waratah 170614			
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.25	11.7	18.1	-0.6	2.8	-46	-0.8	2.7	2.7	4.8	3%	154	148
Accuracy	64	66	69	69	71	63	49	46	53	59	36	41	47
Purchaser										\$			
Lot 2	Tag 190373		DOB 17/06/19		Single			Sire		EM 170300			
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.51	11.1	17.5	-0.2	2.3	-46	-0.4	3.0	2.3	3.9	4%	149	147
Accuracy	66	68	69	70	71	64	53	50	55	61	39	43	50
Purchaser										\$			
Lot 3	Tag 190326		DOB 14/06/19		Twin			Sire		EM 170300			
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.46	10.4	16.9	0.2	1.8	-46	-0.3	0.5	2.3	2.9	3%	147	146
Accuracy	66	68	68	69	71	64	51	48	54	61	37	42	48
Purchaser										\$			
Lot 4	Tag 190279		DOB 13/06/19		Twin			Sire		Wool 173980			
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.15	8.8	14.7	1.1	3.2	-39	0.4	-3.6	2.7	1.6	4%	151	158
Accuracy	67	69	69	71	72	66	55	52	57	63	40	44	51
Purchaser										\$			
Lot 5	Tag 190314		DOB 14/06/19		Single			Sire		EM 170300			
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.41	11.3	18.0	0.1	3.5	-57	-0.5	2.1	3.0	4.5	5%	157	155
Accuracy	66	68	68	69	71	64	52	49	54	61	36	42	49
Purchaser										\$			
Lot 6	Tag 190427		DOB 20/06/19		Single			Sire		Waratah 180007			
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.20	9.6	15.7	0.2	3.4	-41	-0.3	-0.8	2.8	2.8	1%	155	154
Accuracy	67	68	69	69	71	62	55	52	57	63	36	44	51
Purchaser										\$			
Lot 7	Tag 190417		DOB 19/06/19		Twin			Sire		Waratah 180007			
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.29	12.9	20.0	-0.6	2.7	-41	-0.4	2.4	3.0	4.9	4%	161	159
Accuracy	64	65	67	67	69	60	52	49	53	59	34	42	49
Purchaser										\$			
Lot 8	Tag 190285		DOB 13/06/19		Twin			Sire		EM 170300			
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.30	10.7	17.1	1.0	3.3	-47	0.2	-3.7	2.7	2.0	7%	157	162
Accuracy	66	68	68	70	72	65	53	50	54	61	35	42	50
Purchaser										\$			

Rams

Lot	9	Tag	190268			DOB	11/06/19			Single	Sire	Wool 173980		
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ	
	0.27	9.5	14.9	1.1	4.0	-56	0.2	-2.6	3.1	2.3	6%	155	161	
Accuracy	73	68	68	70	72	66	52	49	54	61	38	42	49	
Purchaser											\$			
Lot	10	Tag	190277			DOB	13/06/19			Twin	Sire	EM 170300		
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ	
	0.35	9.9	15.8	0.7	3.4	-43	-0.1	-2.6	2.7	2.9	5%	156	158	
Accuracy	64	66	69	70	71	64	49	46	52	59	36	41	47	
Purchaser											\$			
Lot	11	Tag	190263			DOB	10/06/19			Triplet	Sire	EM 170300		
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ	
	0.27	9.7	15.6	0.4	3.6	-53	-0.1	-3.1	2.6	2.6	9%	157	160	
Accuracy	81	72	71	70	72	65	52	50	55	62	38	43	50	
Purchaser											\$			
Lot	12	Tag	190453			DOB	23/06/19			Twin	Sire	Waratah 180037		
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ	
	0.44	11.7	17.9	0.2	3.2	-58	-0.6	1.0	2.6	3.7	2%	155	152	
Accuracy	79	68	67	66	69	58	53	50	53	59	34	42	49	
Purchaser											\$			
Lot	13	Tag	190291			DOB	12/06/19			Twin	Sire	Wool 173980		
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ	
	0.19	9.6	15.7	0.4	2.5	-44	0.2	-1.0	2.4	2.0	8%	145	150	
Accuracy	65	67	69	69	71	64	51	49	54	61	38	42	49	
Purchaser											\$			
Lot	14	Tag	190325			DOB	14/06/19			Twin	Sire	Wool 173980		
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ	
	0.49	10.7	16.1	-0.8	1.9	-58	-0.5	3.0	1.7	4.0	7%	144	143	
Accuracy	65	67	67	69	71	65	52	49	55	61	39	42	49	
Purchaser											\$			
Lot	15	Tag	190301			DOB	13/06/19			Single	Sire	Waratah 180048		
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ	
	0.26	10.5	16.1	0.0	2.5	-63	-0.6	2.9	2.4	3.6	4%	143	141	
Accuracy	63	66	67	68	70	62	45	43	55	58	39	41	45	
Purchaser											\$			
Lot	16	Tag	190480			DOB	3/07/19			Twin	Sire	Waratah 180037		
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ	
	0.35	11.7	18.1	-0.5	2.0	-22	-0.6	3.5	2.1	4.2	2%	147	141	
Accuracy	64	66	67	68	70	61	55	52	56	61	36	44	51	
Purchaser											\$			

Rams

Lot 17	Tag 190431			DOB 20/06/19			Single			Sire		Waratah 180048		
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ	
	0.32	11.3	17.0	0.1	2.9	-29	-0.9	3.9	2.8	4.6	0%	148	139	
<i>Accuracy</i>	62	65	67	68	70	62	49	46	52	58	36	41	47	
Purchaser											\$			
Lot 18	Tag 190405			DOB 17/06/19			Single			Sire		Waratah 180037		
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ	
	0.26	10.9	17.2	-0.3	2.6	-38	-0.5	0.9	2.3	3.6	2%	151	148	
<i>Accuracy</i>	62	66	67	67	70	61	48	46	54	58	36	41	47	
Purchaser											\$			
Lot 19	Tag 190379			DOB 17/06/19			Twin			Sire		Waratah 180007		
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ	
	0.51	12.1	18.9	-0.6	2.2	-45	-0.4	1.1	2.4	4.1	9%	156	154	
<i>Accuracy</i>	65	66	67	68	70	60	51	48	54	59	33	42	48	
Purchaser											\$			
Lot 20	Tag 190406			DOB 18/06/19			Twin			Sire		Waratah 180007		
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ	
	0.38	12.6	19.3	-0.9	2.1	-30	-0.7	2.6	2.3	4.5	6%	154	148	
<i>Accuracy</i>	64	66	66	67	69	60	44	42	53	57	35	39	43	
Purchaser											\$			
Lot 21	Tag 190315			DOB 14/06/19			Single			Sire		Wool 173980		
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ	
	0.59	11.2	17.4	-0.2	2.5	-39	0.2	-2.5	2.3	3.2	6%	158	163	
<i>Accuracy</i>	66	69	69	70	72	65	48	46	57	61	38	42	47	
Purchaser											\$			
Lot 22	Tag 190481			DOB 3/07/19			Twin			Sire		Waratah 180048		
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ	
	0.39	9.8	14.3	0.6	2.4	-34	-0.4	1.6	2.3	2.4	1%	138	136	
<i>Accuracy</i>	61	64	64	66	68	60	50	47	52	58	34	40	46	
Purchaser											\$			
Lot 23	Tag 190420			DOB 19/06/19			Twin			Sire		Waratah 180037		
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ	
	0.23	9.7	15.6	-0.1	3.2	-27	-0.5	0.6	2.5	3.6	1%	151	146	
<i>Accuracy</i>	63	66	67	67	70	61	48	46	54	58	36	41	46	
Purchaser											\$			
Lot 24	Tag 190394			DOB 18/06/19			Twin			Sire		Waratah 180007		
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ	
	0.55	11.9	18.2	-0.7	1.7	-41	-0.2	0.7	2.3	3.8	5%	154	155	
<i>Accuracy</i>	65	66	67	68	70	60	44	42	53	57	34	40	44	
Purchaser											\$			

Rams

Lot	25	Tag	190363	DOB	16/06/19	Twin	Sire	Waratah	180048				
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.29	11.1	16.8	-0.1	3.0	-22	-0.7	3.1	2.8	4.1	-1%	149	142
Accuracy	60	64	65	66	69	60	46	43	51	56	33	39	44
Purchaser											\$		
Lot	26	Tag	190324	DOB	14/06/19	Twin	Sire	Wool	173980				
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.47	11.1	16.8	-0.5	1.9	-62	-0.3	0.6	1.8	3.4	9%	149	150
Accuracy	66	68	69	69	71	65	47	45	56	61	39	42	46
Purchaser											\$		
Lot	27	Tag	190370	DOB	16/06/19	Single	Sire	Waratah	180037				
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.08	9.7	15.3	-0.2	2.8	-56	-0.3	-0.4	2.2	3.2	2%	150	151
Accuracy	63	66	67	68	70	61	49	47	54	58	36	41	47
Purchaser											\$		
Lot	28	Tag	190408	DOB	19/06/19	Twin	Sire	Waratah	180037				
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.07	9.6	15.0	0.0	3.3	-59	-0.7	1.4	2.5	3.7	0%	149	145
Accuracy	62	65	66	67	69	61	48	46	53	57	36	40	46
Purchaser											\$		
Lot	29	Tag	190356	DOB	16/06/19	Twin	Sire	Waratah	170614				
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.43	11.0	18.0	-0.4	2.8	-47	-0.5	1.8	2.5	4.2	6%	154	151
Accuracy	66	69	69	70	71	64	45	44	56	60	40	41	45
Purchaser											\$		
Lot	30	Tag	190261	DOB	8/06/19	Twin	Sire	Waratah	180007				
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.22	10.4	16.5	-0.4	2.9	-74	-0.6	1.4	2.6	4.1	4%	152	151
Accuracy	64	66	66	67	69	60	44	42	53	57	35	39	43
Purchaser											\$		
Lot	31	Tag	190387	DOB	17/06/19	Twin	Sire	Felix	151229				
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.63	12.2	19.3	0.0	1.9	-28	-0.3	-1.2	2.3	2.5	11%	154	152
Accuracy	67	69	69	70	71	64	56	53	58	62	41	44	52
Purchaser											\$		
Lot	32	Tag	190336	DOB	14/06/19	Triplet	Sire	Wool	173980				
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.46	10.6	16.9	0.2	2.8	-53	-0.1	-0.7	2.5	3.4	7%	153	156
Accuracy	66	69	70	70	72	66	47	45	57	61	38	42	47
Purchaser											\$		

Rams

Lot 33	Tag 190366		DOB 16/06/19		Twin		Sire		Waratah 180048				
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.41	11.4	17.3	0.0	2.5	-29	-0.6	4.1	2.8	4.0	-2%	148	142
Accuracy	61	65	66	67	69	61	45	43	53	57	36	40	44
Purchaser										\$			
Lot 34	Tag 190375		DOB 17/06/19		Single		Sire		Waratah 180007				
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.35	11.3	18.1	-0.7	2.5	-23	-0.6	1.3	2.6	4.4	1%	156	150
Accuracy	63	66	66	67	69	60	43	41	52	57	32	39	42
Purchaser										\$			
Lot 35	Tag 190334		DOB 14/06/19		Triplet		Sire		Wool 173980				
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.51	10.7	17.5	-0.3	1.8	-45	0.1	-0.6	1.9	3.2	13%	150	154
Accuracy	67	70	70	71	72	66	50	48	58	62	41	43	49
Purchaser										\$			
Lot 36	Tag 190348		DOB 15/06/19		Twin		Sire		Felix 151229				
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.32	10.5	17.1	0.6	2.4	-23	-0.2	-0.3	2.9	2.1	8%	148	147
Accuracy	66	68	69	69	71	65	56	54	58	61	40	45	53
Purchaser										\$			
Lot 37	Tag 190382		DOB 17/06/19		Twin		Sire		Waratah 180037				
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.10	10.2	16.0	-0.4	3.0	-26	-0.7	2.0	2.8	4.2	-3%	152	146
Accuracy	63	66	67	68	70	62	48	46	54	58	36	41	47
Purchaser										\$			
Lot 38	Tag 190312		DOB 14/06/19		Twin		Sire		Waratah 180048				
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.46	11.1	17.1	0.6	3.0	-36	-0.4	0.7	3.0	2.9	3%	152	149
Accuracy	61	65	66	67	69	60	47	44	52	57	33	40	45
Purchaser										\$			
Lot 39	Tag 190424		DOB 20/06/19		Twin		Sire		Waratah 180037				
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.08	9.0	14.6	0.2	3.2	-64	-0.4	-0.1	2.2	2.9	3%	146	146
Accuracy	62	66	66	67	69	61	49	46	54	58	36	41	46
Purchaser										\$			
Lot 40	Tag 190308		DOB 14/06/19		Twin		Sire		Felix 151229				
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.40	11.2	17.9	-0.1	2.9	-39	-0.7	1.0	2.8	3.2	13%	154	148
Accuracy	65	68	69	69	71	65	58	56	57	62	40	45	54
Purchaser										\$			

Rams

Lot 41	Tag 190365	DOB 16/06/19			Twin			Sire Felix 151229					
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.53	11.6	18.0	0.0	1.8	-28	0.0	-1.0	2.5	2.4	12%	152	153
<i>Accuracy</i>	66	69	69	70	72	65	57	55	59	62	42	45	54
Purchaser											\$		
Lot 42	Tag 190329	DOB 14/06/19			Twin			Sire Waratah 180037					
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	-0.09	8.5	13.9	0.0	3.0	-28	-0.4	-0.1	2.1	3.0	3%	145	142
<i>Accuracy</i>	64	68	68	69	71	63	50	48	57	60	40	42	48
Purchaser											\$		
Lot 43	Tag 190364	DOB 16/06/19			Twin			Sire Felix 151229					
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.47	11.6	18.2	0.1	2.4	-18	-0.2	-1.2	2.9	2.7	12%	156	154
<i>Accuracy</i>	68	70	70	69	72	65	61	58	60	65	42	47	56
Purchaser											\$		
Lot 44	Tag 190432	DOB 21/06/19			Single			Sire Waratah 180048					
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.34	10.9	17.0	-0.6	2.0	-46	-0.7	4.8	2.3	4.2	4%	142	138
<i>Accuracy</i>	62	66	67	68	70	62	45	43	55	58	39	40	45
Purchaser											\$		
Lot 45	Tag 190272	DOB 12/06/19			Twin			Sire EM 170300					
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.27	9.0	14.4	0.6	3.2	-42	-0.1	-1.4	2.4	2.5	6%	148	149
<i>Accuracy</i>	65	68	69	69	71	64	45	43	54	59	37	41	45
Purchaser											\$		
Lot 46	Tag 190482	DOB 3/07/19			Twin			Sire Waratah 180048					
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.49	10.3	15.3	0.5	2.2	-15	-0.7	3.7	2.2	3.1	0%	136	128
<i>Accuracy</i>	62	65	65	66	68	60	50	47	52	58	34	40	47
Purchaser											\$		
Lot 47	Tag 190306	DOB 13/06/19			Twin			Sire Felix 151229					
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.34	10.9	17.2	0.4	3.0	-47	-0.5	0.2	2.8	2.7	9%	150	148
<i>Accuracy</i>	66	69	70	70	72	65	56	54	59	62	42	45	53
Purchaser											\$		
Lot 48	Tag 190477	DOB 1/07/19			Quad			Sire Waratah 180048					
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.50	11.3	17.1	0.2	2.7	-40	-0.7	3.4	2.6	3.6	8%	147	142
<i>Accuracy</i>	62	64	64	66	68	60	52	49	52	58	34	41	48
Purchaser											\$		

Rams

Lot 49	Tag 190327	DOB 14/06/19			Twin			Sire EM 170300					
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.34	10.7	17.5	0.0	2.2	-39	-0.3	0.2	2.4	3.4	4%	151	151
<i>Accuracy</i>	65	68	69	69	71	64	44	42	54	59	37	41	44
Purchaser										\$			
Lot 50	Tag 190486	DOB 7/07/19			Twin			Sire Waratah 180048					
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.45	10.2	15.4	0.1	2.9	-45	-0.6	1.2	2.7	3.2	3%	148	144
<i>Accuracy</i>	61	64	66	67	69	60	51	48	52	58	34	41	48
Purchaser										\$			
Lot 51	Tag 190339	DOB 14/06/19			Triplet			Sire Felix 151229					
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.56	10.0	15.9	0.6	2.5	-49	0.2	-3.5	2.6	1.5	9%	152	157
<i>Accuracy</i>	66	68	69	69	71	64	57	54	58	62	41	45	53
Purchaser										\$			
Lot 52	Tag 190403	DOB 18/06/19			Twin			Sire Waratah 180037					
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	-0.03	9.3	15.9	0.4	3.2	-30	-0.5	1.0	2.6	3.0	2%	146	142
<i>Accuracy</i>	62	65	67	67	69	60	50	47	53	56	34	41	48
Purchaser										\$			
Lot 53	Tag 190303	DOB 13/06/19			Twin			Sire Waratah 180004					
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.15	10.9	17.4	-0.9	0.6	-25	-0.1	1.4	1.3	3.0	8%	139	139
<i>Accuracy</i>	61	65	66	67	69	60	46	44	53	57	38	40	45
Purchaser										\$			
Lot 54	Tag 190469	DOB 26/06/19			Twin			Sire Waratah 180004					
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.36	10.6	16.4	-0.3	1.3	-22	0.0	-1.1	1.6	2.7	1%	144	144
<i>Accuracy</i>	59	64	64	66	68	59	42	40	51	55	33	38	42
Purchaser										\$			
Lot 55	Tag 190460	DOB 24/06/19			Twin			Sire Waratah 180004					
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.39	11.3	17.9	-0.6	1.5	-29	0.1	-0.4	2.1	3.2	8%	150	154
<i>Accuracy</i>	60	64	64	65	68	58	44	42	51	55	34	39	43
Purchaser										\$			
Lot 56	Tag 190473	DOB 27/06/19			Twin			Sire Waratah 180007					
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.47	12.0	18.7	-0.7	1.4	-42	-0.4	1.3	2.1	3.4	4%	151	149
<i>Accuracy</i>	64	65	67	67	70	60	50	47	53	59	33	41	47
Purchaser										\$			

Rams

Lot	57	Tag	190485	DOB	7/07/19	Twin	Sire	Waratah	180007				
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.44	10.5	15.8	-0.8	2.1	-34	-0.5	1.2	2.0	4.1	1%	149	145
Accuracy	64	67	68	68	70	62	43	41	53	58	34	40	43
Purchaser											\$		
Lot	58	Tag	190422	DOB	20/06/19	Twin	Sire	Waratah	180037				
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.08	10.2	16.3	-0.1	3.4	-31	-0.4	-0.2	2.7	3.6	3%	157	153
Accuracy	62	66	66	67	70	61	50	48	54	56	36	41	48
Purchaser											\$		
Lot	59	Tag	190383	DOB	17/06/19	Single	Sire	Waratah	180037				
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.02	8.7	13.8	0.0	3.6	-43	-0.3	-1.5	2.6	3.0	0%	153	153
Accuracy	63	66	67	67	70	61	48	46	54	58	36	41	47
Purchaser											\$		
Lot	60	Tag	190260	DOB	8/06/19	Twin	Sire	Waratah	180007				
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.37	10.9	17.2	-0.5	3.0	-50	-0.6	1.4	2.7	4.4	4%	155	151
Accuracy	64	66	66	67	69	60	44	42	53	57	35	39	43
Purchaser											\$		
Lot	61	Tag	190390	DOB	17/06/19	Twin	Sire	Waratah	180048				
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.35	10.7	15.9	0.1	3.2	-33	-0.7	3.4	2.9	3.8	3%	150	143
Accuracy	64	65	67	67	70	61	52	49	54	59	36	42	49
Purchaser											\$		
Lot	62	Tag	190340	DOB	14/06/19	Triplet	Sire	Felix	151229				
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.56	11.2	17.7	0.6	2.3	-49	0.1	-2.7	2.7	1.8	9%	154	159
Accuracy	66	68	69	69	71	64	57	54	58	62	41	45	53
Purchaser											\$		
Lot	63	Tag	190331	DOB	14/06/19	Twin	Sire	Wool	173980				
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.46	11.4	18.1	0.3	2.5	-46	0.2	-4.0	2.5	2.3	10%	158	164
Accuracy	67	69	70	70	72	66	51	48	57	62	38	43	49
Purchaser											\$		
Lot	64	Tag	190400	DOB	18/06/19	Twin	Sire	Waratah	180048				
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.42	10.6	16.4	-0.6	1.6	-22	-0.7	3.1	1.8	3.9	3%	143	136
Accuracy	62	66	67	67	70	61	44	43	54	58	36	41	44
Purchaser											\$		

Rams

Lot 65	Tag 190273			DOB 12/06/19			Twin			Sire EM 170300			
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.10	8.3	13.8	0.9	3.6	-34	-0.1	-2.1	2.5	2.2	6%	148	149
<i>Accuracy</i>	65	68	69	69	71	64	45	43	54	59	37	41	45
Purchaser											\$		
Lot 66	Tag 190497			DOB 22/07/19			Twin			Sire Waratah 180007			
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.44	9.7	15.2	-0.2	2.2	-51	-0.6	1.7	2.6	2.9	4%	147	144
<i>Accuracy</i>	64	65	65	67	69	60	53	50	54	59	33	42	49
Purchaser											\$		
Lot 67	Tag 190454			DOB 23/06/19			Twin			Sire Waratah 180037			
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.09	9.4	15.0	0.5	3.6	-46	-0.4	-0.2	2.6	3.0	1%	150	149
<i>Accuracy</i>	62	65	66	66	68	58	49	46	52	57	34	40	46
Purchaser											\$		
Lot 68	Tag 190425			DOB 20/06/19			Twin			Sire Waratah 180037			
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.08	8.8	14.1	0.0	2.9	-55	-0.4	0.1	1.9	2.9	2%	143	142
<i>Accuracy</i>	62	66	66	67	69	61	49	46	54	58	36	41	46
Purchaser											\$		
Lot 69	Tag 190371			DOB 17/06/19			Twin			Sire Waratah 180037			
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.09	8.3	13.1	0.0	3.1	-48	-0.5	0.9	2.1	2.6	1%	143	140
<i>Accuracy</i>	62	66	66	67	69	61	51	49	54	58	35	41	48
Purchaser											\$		
Lot 70	Tag 190436			DOB 21/06/19			Triplet			Sire Waratah 180007			
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.35	10.6	16.5	-0.5	2.5	-3	-0.5	1.7	2.5	3.8	3%	150	143
<i>Accuracy</i>	64	66	67	68	70	61	43	41	53	57	33	40	43
Purchaser											\$		
Lot 71	Tag 190335			DOB 14/06/19			Triplet			Sire Wool 173980			
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.53	10.5	17.1	-0.1	2.1	-46	0.1	-1.1	1.9	2.9	13%	150	155
<i>Accuracy</i>	67	70	70	71	72	66	50	48	58	62	41	43	49
Purchaser											\$		
Lot 72	Tag 190362			DOB 16/06/19			Twin			Sire Waratah 180048			
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.36	10.7	16.2	0.3	2.9	-25	-0.6	2.8	2.6	3.5	-2%	146	140
<i>Accuracy</i>	60	64	65	66	69	60	46	43	51	56	33	39	44
Purchaser											\$		

Rams

Lot	73	Tag	190309	DOB	14/06/19	Twin	Sire	Felix 151229						
		BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
		0.39	10.6	16.9	0.3	3.3	-27	-0.6	0.4	2.8	2.8	12%	152	146
Accuracy		65	68	69	69	71	65	58	56	57	62	40	45	54
Purchaser											\$			
Lot	74	Tag	190435	DOB	21/06/19	Triplet	Sire	Waratah 180007						
		BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
		0.39	11.1	17.2	-0.8	2.1	-26	-0.7	4.2	2.5	4.4	3%	147	140
Accuracy		65	66	67	68	70	61	50	47	53	59	33	41	47
Purchaser											\$			
Lot	75	Tag	190470	DOB	26/06/19	Twin	Sire	Waratah 180004						
		BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
		0.44	11.2	17.1	-0.7	0.8	-7	-0.1	-0.7	1.4	2.9	1%	143	143
Accuracy		59	64	64	66	68	59	42	40	51	55	33	38	42
Purchaser											\$			
Lot	76	Tag	190467	DOB	25/06/19	Twin	Sire	Waratah 170614						
		BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
		0.40	10.5	16.9	-0.2	2.9	-45	-0.6	1.6	2.6	3.8	4%	151	147
Accuracy		65	68	68	69	71	63	43	41	54	59	37	40	43
Purchaser											\$			
Lot	77	Tag	190478	DOB	1/07/19	Quad	Sire	Waratah 180048						
		BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
		0.30	10.6	16.4	0.7	2.9	-43	-0.4	2.0	2.9	2.8	7%	145	143
Accuracy		61	64	65	66	68	60	47	45	52	57	34	40	45
Purchaser											\$			
Lot	78	Tag	190274	DOB	13/06/19	Triplet	Sire	Felix 151229						
		BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
		0.54	12.2	19.1	0.3	2.7	-25	-0.2	-1.4	2.9	2.6	10%	159	157
Accuracy		67	69	70	70	72	66	57	54	59	62	41	45	54
Purchaser											\$			
Lot	79	Tag	190404	DOB	18/06/19	Twin	Sire	Waratah 180037						
		BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
		-0.09	8.9	15.2	0.5	3.2	-28	-0.5	0.8	2.5	2.6	2%	143	140
Accuracy		62	65	67	67	69	60	50	47	53	56	34	41	48
Purchaser											\$			
Lot	80	Tag	190488	DOB	10/07/19	Single	Sire	Waratah 180037						
		BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
		0.20	8.8	14.0	-0.3	2.2	-33	-0.4	0.7	1.7	2.9	-5%	142	139
Accuracy		63	66	67	68	70	62	48	46	54	58	37	41	47
Purchaser											\$			

Rams

Lot 81	Tag 190498		DOB 22/07/19		Twin		Sire		Waratah 180007				
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.53	11.5	17.8	-0.6	2.1	-65	-0.5	1.1	2.6	3.8	5%	154	153
Accuracy	63	65	66	67	69	60	48	45	53	57	33	40	46
Purchaser										\$			
Lot 82	Tag 190358		DOB 16/06/19		Twin		Sire		Felix 151229				
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.45	10.2	16.5	0.7	3.2	-52	-0.2	-2.9	3.0	2.2	6%	156	157
Accuracy	66	68	69	70	71	65	56	54	58	61	40	45	53
Purchaser										\$			
Lot 83	Tag 190354		DOB 15/06/19		Twin		Sire		Felix 151229				
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.51	10.9	18.0	0.0	2.1	-11	-0.3	-0.4	2.7	2.7	6%	153	149
Accuracy	67	69	70	70	72	66	58	55	60	63	43	46	54
Purchaser										\$			
Lot 84	Tag 190302		DOB 13/06/19		Twin		Sire		Waratah 180004				
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.09	10.3	16.2	-0.7	1.1	-17	-0.1	1.1	1.4	2.9	7%	139	138
Accuracy	61	65	66	67	69	60	46	44	53	57	38	40	45
Purchaser										\$			
Lot 85	Tag 190479		DOB 3/07/19		Twin		Sire		Waratah 180037				
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.28	10.3	16.7	-0.4	2.0	-31	-0.5	3.3	2.0	3.6	2%	142	138
Accuracy	64	67	67	68	70	61	56	53	56	62	36	44	52
Purchaser										\$			
Lot 86	Tag 190349		DOB 15/06/19		Twin		Sire		Felix 151229				
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.25	10.1	16.7	0.7	2.5	-44	-0.2	-0.6	2.9	2.0	8%	148	149
Accuracy	66	68	69	69	71	65	56	54	58	61	40	45	53
Purchaser										\$			
Lot 87	Tag 190483		DOB 3/07/19		Twin		Sire		Waratah 180037				
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.31	9.8	16.1	-0.1	2.4	-23	-0.2	0.7	2.2	3.1	1%	147	145
Accuracy	63	67	67	68	70	61	49	48	55	59	37	42	48
Purchaser										\$			
Lot 88	Tag 190409		DOB 19/06/19		Twin		Sire		Waratah 180007				
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.26	11.1	17.7	-0.4	2.5	-31	-0.3	0.6	2.4	3.7	6%	153	152
Accuracy	64	66	67	67	69	60	48	45	53	57	32	41	46
Purchaser										\$			

Rams

Lot	89	Tag 190440				DOB 21/06/19				Twin		Sire Waratah 180004			
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ		
	0.46	10.7	17.1	0.0	1.5	2	0.1	-0.3	1.9	2.5	6%	144	144		
Accuracy	60	63	64	65	68	58	44	42	51	55	34	38	43		
Purchaser											\$				
Lot	90	Tag 190360				DOB 16/06/19				Twin		Sire Waratah 180037			
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ		
	0.14	8.8	14.6	1.0	4.1	-16	-0.1	-3.4	3.2	1.9	4%	156	155		
Accuracy	63	66	67	67	70	61	52	49	54	58	35	42	49		
Purchaser											\$				



Ewes

Lot 91	Tag 190271	DOB 12/06/19			Twin			Sire			Wool 1703980		
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.42	11.6	18.7	0.5	3.0	-27	0.1	-2.0	3.0	3.2	8%	160	163
<i>Accuracy</i>	66	68	69	69	71	59	50	48	57	59	39	43	48
Purchaser											\$		
Lot 92	Tag 190475	DOB 30/06/19			Twin			Sire			Waratah 170614		
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.37	12.9	20.3	-0.8	2.3	-34	-0.8	3.2	2.6	5.0	2%	157	150
<i>Accuracy</i>	65	68	69	70	71	56	44	42	55	59	37	41	44
Purchaser											\$		
Lot 93	Tag 190341	DOB 14/06/19			Triplet			Sire			Felix 151229		
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.57	10.9	17.3	0.3	2.1	-45	0.1	-2.7	2.6	1.9	9%	153	157
<i>Accuracy</i>	66	69	69	70	71	58	57	54	58	61	40	45	53
Purchaser											\$		
Lot 94	Tag 190332	DOB 14/06/19			Twin			Sire			Wool 1703980		
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.44	10.7	17.1	0.3	2.7	-47	0.2	-4.5	2.5	2.2	9%	158	163
<i>Accuracy</i>	67	69	69	70	72	59	51	48	57	62	37	43	48
Purchaser											\$		
Lot 95	Tag 190455	DOB 23/06/19			Twin			Sire			Waratah 180007		
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.47	11.9	18.2	-0.5	2.2	-34	-0.5	2.1	2.5	4.1	4%	154	150
<i>Accuracy</i>	65	67	68	68	71	53	47	45	55	58	34	42	46
Purchaser											\$		
Lot 96	Tag 190419	DOB 19/06/19			Single			Sire			Waratah 180048		
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.57	11.7	17.7	-0.4	2.8	-48	-0.5	2.3	2.6	4.6	5%	155	152
<i>Accuracy</i>	60	64	65	66	69	51	45	43	52	56	33	39	43
Purchaser											\$		
Lot 97	Tag 190321	DOB 14/06/19			Twin			Sire			Wool 1703980		
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.61	12.6	19.8	-0.1	2.0	-68	0.0	-0.9	2.3	3.2	11%	157	161
<i>Accuracy</i>	66	69	69	70	71	58	51	48	57	61	37	43	48
Purchaser											\$		
Lot 98	Tag 190294	DOB 12/06/19			Twin			Sire			Felix 151229		
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
	0.59	11.4	18.0	0.3	1.7	-30	-0.2	-1.7	2.3	1.9	10%	150	149
<i>Accuracy</i>	65	68	68	69	71	57	55	53	57	60	38	44	52
Purchaser											\$		

Ewes

Lot	99	Tag	190456	DOB	23/06/19	Twin	Sire	Waratah	180007					
		BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
		0.38	11.4	17.6	-0.4	2.5	-34	-0.5	1.8	2.6	4.0	4%	153	150
Accuracy		65	67	68	68	71	53	47	45	55	58	34	42	46
Purchaser											\$			
Lot	100	Tag	190389	DOB	17/06/19	Twin	Sire	Waratah	180037					
		BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
		0.16	9.7	15.5	-0.1	3.1	-47	-0.6	1.0	2.2	3.3	1%	149	146
Accuracy		62	65	66	67	69	52	51	48	53	56	33	41	48
Purchaser											\$			
Lot	101	Tag	190290	DOB	13/06/19	Single	Sire	Felix	151229					
		BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
		0.36	11.3	18.2	0.4	2.3	-27	-0.3	-0.5	2.7	2.4	10%	150	148
Accuracy		65	68	69	69	71	57	56	54	57	61	39	44	52
Purchaser											\$			
Lot	102	Tag	190428	DOB	20/06/19	Single	Sire	Waratah	180007					
		BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
		0.27	9.5	15.7	0.2	2.7	-33	-0.3	0.2	2.5	2.8	4%	147	146
Accuracy		65	67	67	68	70	53	45	43	54	57	33	40	44
Purchaser											\$			
Lot	103	Tag	190307	DOB	13/06/19	Twin	Sire	Felix	151229					
		BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
		0.34	11.0	17.5	0.0	2.6	-45	-0.5	0.6	2.6	3.0	9%	150	147
Accuracy		66	69	69	70	72	58	56	54	58	61	41	45	53
Purchaser											\$			
Lot	104	Tag	190495	DOB	19/07/19	Twin	Sire	Waratah	180037					
		BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
		-0.05	8.6	13.6	-0.4	3.0	-33	-0.3	-0.4	2.2	3.1	3%	148	146
Accuracy		61	65	67	67	70	53	48	46	54	57	33	41	46
Purchaser											\$			
Lot	105	Tag	190426	DOB	20/06/19	Single	Sire	Waratah	170614					
		BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
		0.45	10.5	16.3	-0.7	1.8	-50	-0.4	1.8	1.9	3.7	-1%	146	145
Accuracy		64	67	68	69	71	55	43	41	54	58	36	40	43
Purchaser											\$			
Lot	106	Tag	190293	DOB	12/06/19	Twin	Sire	Felix	151229					
		BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SF5	Dress%	LMY	NLW	TCP	LEQ
		0.48	11.1	17.6	0.4	1.9	-30	-0.2	-1.9	2.4	1.8	10%	150	149
Accuracy		65	68	68	69	71	57	55	53	57	60	38	44	52
Purchaser											\$			

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Lot	107	Tag 190342				DOB 15/06/19			Single		Sire		Waratah 180007	
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SFS	Dress%	LMY	NLW	TCP	LEQ	
	0.29	10.9	17.1	-0.6	2.0	-33	-0.5	1.6	2.0	3.6	7%	148	144	
Accuracy	66	68	69	69	71	56	45	43	55	59	36	42	45	
Purchaser											\$			
Lot	108	Tag 190496				DOB 19/07/19			Twin		Sire		Waratah 180037	
	BWT	WWT	PWWT	PFAT	PEMD	PWEC	IMF	SFS	Dress%	LMY	NLW	TCP	LEQ	
	0.08	9.0	14.1	-0.4	2.7	-33	-0.3	-0.3	2.1	3.0	4%	148	146	
Accuracy	61	65	67	67	70	53	48	46	54	57	33	41	46	
Purchaser											\$			





Sheep Industry Innovation

Steve and Debbie Milne Agribusiness Consultants

PO Box 15 Branholme Vic 3302

Ph 03 55786327 or Steve 0428 786327, Debbie 0407 724066

Email sjdmilne@bigpond.com

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BUYER'S INSTRUCTION SLIP

Buyer No.

Name.....

Address.....

Email

Phone

PIC

AWSA Flock Name & No.

.....

Stud Transfer

Yes / No

LOT	TAG No.	DESCRIPTION	PRICE

Account to.....

Delivery Instructions.....

Insure for.....

Signed.....

NO VERBAL INSTRUCTIONS CAN BE ACCEPTED



**Waratah 180007 sold to “Days Whiteface” Bordertown SA
For \$5000 at the 2019 Royal Adelaide Elite Sale.**

**Waratah 180007 was used as a ram lamb and is the sire of 20
sheep in this years sale.**

