

For Length Growth Rate & Fertility

# 24th Annual on Property Ram Sale

Wednesday, September 29th, 2021 Sale commencing at 12.30pm

Interfaced with \*\*\* Auctions Plus\*\*



Sale offering:

15 White Suffolk Stud Ewes 24 White Suffolk Stud Rams 9 Poll Dorset Stud Rams 11 Prime SAMM Rams
132 White Suffolk Flock Rams
48 Poll Dorset Flock Rams

## Warburn's 24th Annual On Property Sale

Wednesday, September 29th 2021
Inspection of stock commences at 10.30am on morning of sale.
BBQ lunch and afternoon tea provided.
Stud Sale commencing at 12.30pm followed by Warburn's Flock Ram sale.
Interfaced with Auctionsplus.

### Vendor:

A & M Dissegna "Warburn Stud" Kidman Way Warburn Via Griffith NSW 2680. Phone 02 69634517 Mobile Amando: 0427 487 987 Mark: 0407 505 486 Warburn Poll Dorset Flock no 779 Warburn White Suffolk Flock no 72 Warburn Prime SAMM Flock no 26

### **Health Status**

# FOR THE HEALTH AND WELLBEING OF ALL COVID RESTRICTIONS WILL APPLY

### **Condition of Sale:**

ANY PERSON INSPECTING OR HANDLING SHEEP MUST DO SO IN A SAFE AND PROPER MANNER SO NOT TO INCUR INJURY TO THEMSELVES OR TO OTHERS. ALL CHILDREN MUST BE UNDER THE SUPERVISION OF A RESPONSIBLE ADULT AT ALL TIMES.

BUYERS INSTRUCTION SLIP, (AT THE BACK OF BOOK)
MUST BE PRESENTED AND SIGNED, BEFORE SHEEP WILL BE RELEASED.

### **SELLING AGENTS.**

Spencer & Bennett-Yenda Prods Phone: 02 69668900 Elders Phone: 02 69692900 Nutrien Ag Solutions Phone: 02 69621811

2.5 % rebate to outside agents in attendance introducing buyers & settling on their behalf within 7 Days of invoice.

### Warburn Management

Warburn Stud has been totally committed to serving the prime lamb industry for the last 60 years. At Warburn all lambs are tagged at birth for accurate pedigree recording of sire and dam. All lambs are weighed at birth, 100 days (weaning) and again at 200 days, when they are also carcase scanned by an accredited Lambplan scanner for muscle and fat depth. This information is processed by Sheep Genetics, the national performance recording database, to generate ASBVs (estimated breeding values) for each animal for a range of commercially important traits. ASBVs are estimates of an animal's genetic potential for traits based on actual measurements taken on individuals, with consideration and correction for the environmental factors impacting their performance (date of birth, single or multiple birth type, age of the dam, management group). Using ASBVs allows buyers to benchmark and compare Warburn rams against all other recorded terminal sires across Australia, and more effectively select the rams that meet their breeding objectives for their target market. Warburn clients can buy with confidence, knowing the lambs they produce will be more even as they have taken the guess work out of selecting their sires for consistent performance.

At Warburn we place strict selection criteria on our ewes to ensure the rams we breed will perform in the prime lamb market. To be retained for breeding, ewes must possess structural correctness and breed type, as well as balanced ASBVs with particular emphasis on growth and muscle. Our genetic selection is aimed at breeding a quick growing, muscled lamb, ideal for the sucker market. Our ewes are individually allocated to sires based on their attributes to breed the best progeny possible. We utilise key industry sires through artificial insemination, as well as trialling the best Warburn rams via natural mating. We have now begun genomically testing some of our sires and selected rams. This is enabling us to better assess their genetic potential for hard-to-measure eating quality traits. We are looking forward to sampling larger numbers in the future as this information becomes increasingly important to our clients.

Warburn also prides itself on its animal health management. All our sheep are drenched (rotation system) and vaccinated with 6 in 1, with our lambs being vaccinated twice. We test for Ovine Johne's Disease (MN3 status) and are Brucellosis accredited.

Buyers can be confident when selecting their purchase of flock rams at our 24th annual on-property sale that all rams have had their health treatments, are fit and healthy and ready to work.

### 1961 ~ Warburn Stud history ~ 60 years

Warburn Stud began with a small flock of Dorset Horns in 1961 and gradually changed to Poll Dorset as the demand increased.

In 1980, the meat testing services (now Lambplan) commenced in the area. Seeing the advantages, the Dissegna family became one of the first to be involved in the program. 1988 marked the entry of the White Suffolk breed to our stud and the purchase of "Beredale" Poll Dorset Stud.

After several visits to Kirra Quarantine Station and seeing the superior American Suffolk, came the purchase in February 1992 of an American Suffolk ram. Warburn became the first stud to use these superior genetics in NSW, introducing a larger frame sheep.

Since 1993 Artificial Insemination (AI) has played an important part in enabling us to select superior sires across the country.

In December, 1997, Warburn stud achieved Ovine Johne's MM1 status. This brought about the decision to have our first on property ram sale in 1998.

In 1999, Warburn saw the introduction of an other exciting new breed to our stud, the South African Meat Merino (SAMM).

In 2002, Warburn achieved and continues to hold its MM3 status which requires regular testing.

After a 20 year hiatus, Warburn returned to exhibiting at major shows in 2004.

Since then, Warburn has achieved 3 interbreed champions, and many Champion and Reserve Champion rams and ewes, also winning the most successful exhibitor 5 times.

In 2013, Warburn sold top price ewe at Bendigo elite show and sale for \$3,000.

Warburn sold it's first sheep internationally in 2016, with 27 SAMM ewes and 22 SAMM rams to China.

In 2017 Warburn achieved and still hold NSW's on property record price for White Suffolk at \$21,000. At the same sale Warburn also sold a half share ram(\$16,000) to Montana, USA. Warburn began genomic testing for eating quality traits in 2020.

### Warburn Poll Dorset Memo of sires

**Warburn 190024 By** Marocara 150049 2020 keeper ram. Good muscling ram.

Warburn 190029 by Marocara 150049 long smooth ram.

Warburn 180107 By Aberdeen 160527 A long smooth ram with good muscling.

Warburn 190003 By Punchgrove 170017 A tall & long ram smooth shoulders & good muscling.

### White Suffolk Memo of Sires

Warburn 160082 HRF by Wheetlelande 127064 A very correct great length and backline.

Warburn 170192 HRF by Anden 150277 "cruiser" A big long ram, very correct out of the \$68,000 sire.

**Warburn 170142 HRF** by Bundara Downs 122261 Excellent hindquarters and growth. Out of a show ewe.

Warburn 190002 HRF by Warburn 160082 A big, long stretchy ram.

**Warburn 190145 HRF** by Woolumbool 173980 2020 keeper ram, highest ASBV for the drop.

Warburn 190018 HRF by Warburn 170142 Sold at last years sale for \$4,750. heaviest ram for the drop at 156kgs.

**Warburn 180154 HRF** by Farrer 150096 Our 2018 keeper ram. Correct well muscled ram.

### Woolumbool 173980

Used in our AI program. Proven sire. Excellent eating quality.

### Ella Matta 180100 "Milestone"

Used in our AI program. Sold for \$29,000. Low birth weight.

### **Ashmore 170986**

Used in our AI program. Excellent ASBV's sons to \$23,000.

### **Somerset 160067**

Used in our AI program. Proven sire, excellent PEMD.

### Warburn Prime SAMM memo of sires

Lawral Park 188134

Outcross ram.

# Sires abbreviations used in catalogue

A	Anden
AD	Aberdeen
ASH	Ashmore
BD	Bundara Downs
DG	Detpa Grove
EM	Ella Matta
PG	Punchgrove

Ran	Rannoch
S	Somerset
UP	Ulandi Park
WB	Woolumbool

# Abbreviations used in catalogue

Bwt	Birth Weight
Wwt	Weaning Weight
Pwwt	Post weaning weight
Pfat	Post weaning fat depth
Pemd	Post weaning Eye muscle depth
TCP	Terminal Carcase Production
EQ	Eating Quality

Tw	Twin
Tr	Triplet
Qu	Quad
Hrf	Hypotrichosis free

# **Understanding ASBV**

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. 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).

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 at ASBV of 0.

BWT (kg)	PWWT (kg)	PFAT (mm)	PEMD (mm)	TCP	EQ
0.3	6.0	-1.5	1.0	136	135

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 0.5 mm deeper eye muscle than a ram with 0 EMD ASBV.

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 3kgs heavier at post weaning age (7.5 months) than a ram with an ASBV of 0.

The eating quality (EQ) index is targeted at terminal producers interested in improving the meat eating quality of their prime lambs. The EQ index is based on the same production targets as TCP with the added emphasis on eating quality traits including Intramuscular fat (IMF) and Shear force (SF5).

### **Terminal Carcase Production (TCP) Index**

#### 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).

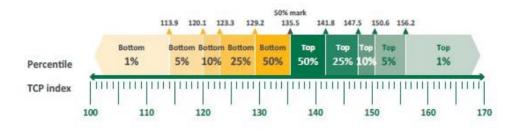
The TCP index is designed to suit a production system where:

- 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



### **Terminal Carcase Production (TCP) index**

#### Summary of the TCP index

- The TCP index targets improvement of terminal sire performance in prime lamb production systems.
- TCP balances increased lean meat yield with modest improvements in eating quality.
- Genotyping young rams makes TCP more effective by improving the accuracy of carcase and eating quality ASRVs.

#### Production system outline

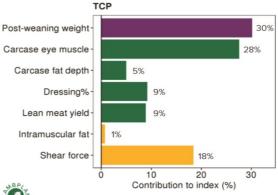
This production system is for a prime lamb operation where terminal sires are joined to ewes of a Merino/ maternal breed or cross. The TCP index focuses on increasing weight and muscle while reducing carcass fat, which contribute to higher lean meat yield. TCP also has emphasis on modest improvements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

#### Trait contribution

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.

In the Terminal Carcase Production system, growth and improved carcase eye muscle contribute the most to the index, with smaller contributions from carcase fat depth, lean meat yield and dressing percentage. Improvements in intramuscular fat and shear force contribute to maintaining lamb eating quality.

Figure 1: The traits in the TCP index and how they contribute to the overall balance of the index in the top 10% of current terminal progeny





### Eating Quality index (EQ)

#### Summary of the EQ index

- The EQ index targets improvement of terminal sire performance in prime lamb production systems.
- EQ balances large improvements in eating quality with modest increases in lean meat yield.
- Genotyping young rams makes EQ more effective by improving the accuracy of carcass and eating quality ASBVs.

#### Production system overview

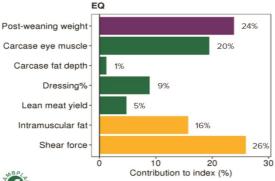
This production system is for a prime lamb operation where terminal sires are joined to ewes of a Merino/maternal breed or cross, and where producers are interested in improving the eating quality of their lambs to a greater degree than is possible with the TCP index.

#### Trait contribution

Figure 2 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.

The EQ index has large contributions from increasing body weight and carcass eye muscle, with smaller but still favourable impacts from reduced carcass fat depth with increases in dressing percentage and lean meat yield. Large improvements in intramuscular fat and shear force contribute to improved lamb eating quality.

Figure 2: The traits in the EQ index and how they contribute to the overall balance of the index in the top 10% of current terminal progeny





### **Lambplan Terminal Percentiles**

Use the following percentile band table to work out where an individual sheep sits relative to the 2020 drop (Australia wide of 140,193 sheep) across a range of traits.

Percentile band table data adapted from the sheep Genetics website.

### Dated 1/9/2021

	BWT	WWT	PWWT	PFAT	PEMD	TCP	EQ
<b>Top 1%</b>	-0.50	12.5	19.5	0.9	4.2	159.6	156.5
<b>Top 5%</b>	-0.33	11.6	18.1	0.5	3.5	154.0	149.8
<b>Top 10%</b>	-0.01	11.2	17.4	0.3	3.1	150.7	145.9
<b>Top 20%</b>	0.18	10.6	16.5	0.0	2.6	146.3	140.6
<b>Top 30%</b>	0.25	10.2	15.7	-0.2	2.3	143.0	136.6
<b>Top 40%</b>	0.31	9.8	15.0	-0.3	2.0	140.2	133.3
<b>Top 50%</b>	0.35	9.4	14.3	-0.4	1.7	137.6	130.4

### ASBVs are highlighted throughout the catalogue for your convenience.

TOP 5 % TOP 10 %	TOP 20%	Top 30 %	
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# ALL LAMBPLAN FIGURES ARE FROM 1st SEPTEMBER 2021

Per	1 77	24 W	24 White Suffolk Stud Rams					
Lot	ID	DOB	Sire	Dam	SOI	)		
1	Tw 70	4-5-20	190018	170700	16004	18		
Bwt	Wwt	Pwwt	Pfat	Pemd	TCI	? ]	EQ	
0.57	12.18	20.09	-0.24	3.01	156.8	9 14	19.76	
Purc	haser				Prio	ce		
Per	ւ 77							
Lot	ID	DOB	Sire	Dam	SOI	)		
2	274	16.5.20	Ash 17098	36 14054	13030	08		
Bwt	Wwt	Pwwt	Pfat	Pemd	TCI	P :	EQ	
0.47	10.86	17.42	-0.32	2.93	154.3	31 14	46.91	
Purc	haser				Pri	ce		
Per	1 77							
Lot	ID	DOB	Sire	Dam	SOI	)		
3	Tw 471	21-5-20	170142	180586	5 16008	32		
Bwt	Wwt	Pwwt	Pfat	Pemd	TCI	P	EQ	
0.36	12.95	20.47	-0.74	2.18	152.3	36 14	42.18	
Purc	haser				Pric	ce		
Per	1 76							
Lot	ID	DOB	Sire	Dam	SOI	)		
4	265	15-5-20	WB 17398	30 170616	5 16004	48		
Bwt	Wwt	Pwwt	Pfat	Pemd	TCI	P	EQ	
0.42	10.90	17.09	0.19	3.05	156.8	35 1:	54.22	
Purc	haser				Pri	ce		
Pen	76							
Lot	ID	DOB	Sire	Dam	SOI	)		
5	Tw 339	17-5-20	S 160067	170037	7 A 1502	277		
Bwt	Wwt	Pwwt	Pfat	Pemd	TCl	P	EQ	
0.44	10.05	16.47	0.38	3.37	154.5	58 14	46.68	
Purc	Purchaser Pric					ce		
TOP 5 % TOP 10 % TOP 20% Top 30				op 30 %				

Pen 76		24 White Suffolk Stud Rams							
Lot	ID	DOB	Sire	Dan	1	SOD			
6	338	17-5-20	EM 180100	17056	54 1	140317			
Bwt	Wwt	Pwwt	Pfat	Pem	d	ТСР	EQ		
0.12	10.45	16.61	-0.03	2.31		140.65	137.80		
Purcha	aser					Price			
Pen 75									
Lot	ID	DOB	Sire	Dan	1	SOD			
7	165	13-5-20	190002	17001	10 1	140512			
Bwt	Wwt	Pwwt	Pfat	Pem	d	ТСР	EQ		
0.24	10.64	16.07	0.17	3.03	;	145.52	139.87		
Purcha	aser					Price			
Pen 75									
Lot	ID	DOB	Sire	Dan	n	SOD			
8	294	16-5-20	190002	15010	68	130138			
Bwt	Wwt	Pwwt	Pfat	Pem	d	TCP	EQ		
0.41	10.55	16.48	0.16	2.72	2	144.44	137.02		
Purch	aser					Price			
Pen 75									
Lot	ID	DOB	Sire	Dan	n	SOD			
9	Tw 478	21-5-20	190145	1705′	75	140317			
Bwt	Wwt	Pwwt	Pfat	Pem	d	TCP	EQ		
0.26	11.32	18.04	0.15	3.03	3	153.29	148.17		
Purch	aser					Price			
Pen 74						·			
Lot	ID	DOB	Sire	Dan	n	SOD			
10	Tw 277	16-5-20	S 160067	18020	04 A	150277			
Bwt	Wwt	Pwwt	Pfat	Pem	d	TCP	EQ		
0.46	11.32	18.64	-0.07	2.71		152.82	141.57		
Purch	aser					Price			
TOP 5 %		TOP 10 %	T	OP 20%		Top 30	%		

Pen 74	24 White Suffolk Stud Rams								
Lot	ID	DOB	Sire		Dam	1	S	OD	
11	455	20-5-20	190018		16005	2	WH	127064	
Bwt	Wwt	Pwwt	Pfat		Pemo	ı	T	СР	EQ
0.54	11.94	18.69	-0.41		2.01		14	5.62	133.10
Purch	aser						I	Price	
Pen 74									
Lot	ID	DOB	Sire		Dam	l	S	OD	
12	Tw 624	4-6-20	170142		18015	7	16	0082	
Bwt	Wwt	Pwwt	Pfat		Pemo	d	Т	СР	EQ
0.44	12.29	19.21	-0.27		2.04		14	7.13	138.32
Purch	aser						I	Price	
Pen 73									
Lot	ID	DOB	Sire		Dam		S	OD	
13	Tw 211	14-5-20	ASH 17098	36	15046	6	F 12	20026	
Bwt	Wwt	Pwwt	Pfat		Pemd	ı	T	СР	EQ
0.47	10.66	17.69	-0.46		1.83		15	2.54	148.76
Purcha	aser						F	Price	
Pen 73									
Lot	ID	DOB	Sire		Dam		SC	OD	
14	317	17-5-20	ASH 17098	36	150160	)	130	0026	
Bwt	Wwt	Pwwt	Pfat		Pemd	l	T	СР	EQ
0.49	10.75	17.34	-0.72		2.16		15.	3.70	147.20
Purcha	iser						P	rice	
Pen 73									
Lot	ID	DOB	Sire		Dam		S	OD	
15	Tw 544	26-5-20	190002		150036	5	120	0077	
Bwt	Wwt	Pwwt	Pfat		Pemd	l_	T	CP	EQ
0.36	10.43	16.25	-0.02		2.56		142.45 135.58		135.58
PurchaserPrice									
TOP 5 %		TOP 10 %	ó –	TOF	20%			Top 30 %	

Pen 72		18					
Lot	ID	DOB	Sire	Dam	SOD		
16	Tw 392	18.5.20	EM 180100	170824	140317		
Bwt	Wwt	Pwwt	Pfat	Pemd	ТСР	EQ	
0.34	11.81	18.61	-0.12	2.27	151.08	147.12	
Purch	aser				Price		
Pen 72							
Lot	ID	DOB	Sire	Dam	SOD		
17	Tw 678	9.7.20	190018	170697	140317		
Bwt	Wwt	Pwwt	Pfat	Pemd	ТСР	EQ	
0.47	12.78	19.62	-0.49	1.95	146.96	137.48	
Purch	aser				Price		
Pen 72							
Lot	ID	DOB	Sire	Dam	SOD		
18	Tw 395	18.5.20	S 160067	170021	140512		
Bwt	Wwt	Pwwt	Pfat	Pemd	ТСР	EQ	
0.35	11.12	18.24	0.71	3.40	158.27	150.61	
Purch	aser				Price		
Pen 71							
Lot	ID	DOB	Sire	Dam	SOD		
19	Tw 254	15.5.20	EM 180100	180483	170192		
Bwt	Wwt	Pwwt	Pfat	Pemd	ТСР	EQ	
0.10	9.93	16.09	0.63	2.56	143.20	142.15	
Purch	aser			1 1 1 1	Price		
Pen 71							
Lot	ID	DOB	Sire	Dam	SOD		
20	233	15.5.20	EM 180100	150538	140288		
Bwt	Wwt	Pwwt	Pfat	Pemd	ТСР	EQ	
0.06	9.22	15.01	0.45	2.27	137.88	137.63	
PurchaserPrice							
TOP 5 %		TOP 10 %	ТО	P 20%	Top 30	%	

Pen 71		24 WI	hite Suffolk	Stud Ran	ns	
Lot	ID	DOB	Sire	Dam	SOD	
21	297	16.5.20	WB 173890	140524	130392	
Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ
0.37	10.02	14.88	0.46	3.02	149.65	149.01
Purch	aser				Price	
Pen 70						
Lot	ID	DOB	Sire	Dam	SOD	
22	Tw 299	16.5.20	EM 180100	170650	160048	
Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ
0.24	9.71	16.35	-0.05	2.09	145.74	144.49
Purch	aser				Price	
Pen 70						
Lot	ID	DOB	Sire	Dam	SOD	
23	Tw 35	1.5.20	170142	170607	160098	
Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ
0.26	11.23	18.12	0.69	2.65	145.44	140.66
Purch	aser				Price	<del></del>
<b>Pen 70</b>						
Lot	ID	DOB	Sire	Dam	SOD	
24	Tw 215	14.5.20	ASH 170986	140587	130025	
Bwt	Wwt	Pwwt	Pfat	Pemd	ТСР	EQ
0.54	10.89	16.80	-0.33	2.99	158.34	152.12
Purch	aser			Price		

Pen 69		9 Po	ll Dorse	et Stud F	Rams	
Lot	ID	DOB	Sire	Dam	SOD	
25	Tw 122	18-5-20	190024	150200	6 A 120016	
Bwt	Wwt	Pwwt	Pfat	Pemd	I TCP	EQ
0.40	10.39	15.56	-0.83	2.22	142.87	134.38
Purcha	aser				Price	
Pen 69						
Lot	ID	DOB	Sire	Dam	SOD	
26	69	12-5-20	180107	170160	5 120118	
Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ
0.49	10.50	15.39	-0.86	2.43	145.98	137.03
Purcha	aser				Price	
Pen 69						
Lot	ID	DOB	Sire	Dam	SOD	
27	Tw 59	11-5-20	180107	170138	3 120118	
Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ
0.35	10.80	16.25	-0.64	3.19	152.95	143.73
Purcha	aser				Price	
Pen 68						
Lot	ID	DOB	Sire	Dam	SOD	
28	Tw 76	13-5-20	180107	170010	120118	
Bwt	Wwt	Pwwt	Pfat	Pemd	I TCP	EQ
0.48	10.87	16.30	-0.75	1.79	143.45	135.85
Purch	aser			·	Price	
Pen 68						
Lot	ID	DOB	Sire	Dam	SOD	
29	Tw 88	14-5-20	190029	170159	9 120118	
Bwt	Wwt	Pwwt	Pfat	Pemd	1 TCP	EQ
0.47	9.36	13.94	-1.13	2.03	141.66	136.25
Purch	aser				Price	
OP 5 %		TOP 10 %	6	TOP 20%	Top 3	0 %

Pen 68		9 Po	ll Dorset S	tud Ran	ns	
Lot	ID	DOB	Sire	Dam	SOD	
30	32	4-5-20	190024	170003	150194	
Bwt	Wwt	Pwwt	Pfat	Pemd	ТСР	EQ
0.26	10.42	15.17	-0.98	2.18	142.85	135.97
Purcha	aser				Price	
Pen 67						
Lot	ID	DOB	Sire	Dam	SOD	
31	3	26-4-20	180107	150151	130164	
Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ
0.35	9.86	14.04	-0.92	2.11	139.71	130.45
Purch	aser				Price	
Pen 67						
Lot	ID	DOB	Sire	Dam	SOD	
32	Tw 50	9-5-20	190024	140072	130164	
Bwt	Wwt	Pwwt	Pfat	Pemd	ТСР	EQ
0.12	8.51	11.95	-0.40	2.35	130.60	124.24
Purch	aser				Price	
Pen 67						
Lot	ID	DOB	Sire	Dam	SOD	
33	Tw 90	14-5-20	190024	170055	150194	
Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ
0.43	11.12	16.51	-0.65	2.42	145.35	137.89
Purch	aser				Price_	

TOP 5 % TOP 10 % TOP 20% Top 30 %

Pen 66		15 W	hite Suffo	lk Stud	Ewes		
Lot	ID	DOB	Sire	Dam	1 5	SOD	
34	45	2-5-20	170142	17009	5 BE	12261	
Bwt	Wwt	Pwwt	Pfat	Pemo	d '	ГСР	EQ
0.32	12.44	18.52	-0.99	1.82	1	49.16	141.96
Purcha	aser					Price	
Pen 66							
Lot	ID	DOB	Sire	Dam	1 5	SOD	
35	Tw 241	15-5-20	EM 180100	15019	0 1	30026	
Bwt	Wwt	Pwwt	Pfat	Pemo	d '	ГСР	EQ
0.16	9.26	14.29	-0.64	1.26	1	35.35	132.60
Purcha	aser					Price	
Pen 66							
Lot	ID	DOB	Sire	Dam	1 5	SOD	
36	Tw 440	20-5-20	190002	16063	0 14	40512	
Bwt	Wwt	Pwwt	Pfat	Pemo	1 7	ГСР	EQ
0.26	10.33	16.34	-0.19	2.83	1-	46.03	138.75
Purcha	aser					Price	
Pen 65							
Lot	ID	DOB	Sire	Dam	1 5	SOD	
37	Tw 58	3-5-20	190002	18010	3 10	50098	
Bwt	Wwt	Pwwt	Pfat	Pemo	1 7	ГСР	EQ
0.32	10.22	16.36	-0.23	2.44	1-	44.78	137.21
Purcha	aser					Price	<del> </del>
Pen 65							
Lot	ID	DOB	Sire	Dam	1 5	SOD	
38	Tr 773	29-7-20	190002	15036	2 14	40288	
Bwt	Wwt	Pwwt	Pfat	Pemo	1 7	ГСР	EQ
0.30	0.30         11.26         17.19         -0.21         2.44         142.88					42.88	134.50
Purcha	aser					Price	
TOP 5 % TOP 10 % TOP 20% Top 30							%

Pen 65		15 Wh	ite Suffol	k Stud E	wes	
Lot	ID	DOB	Sire	Dam	SOD	
39	Tw 808	5-8-20	190002	170224	A 150277	
Bwt	Wwt	Pwwt	Pfat	Pemd	ТСР	EQ
0.49	10.26	16.38	-0.41	1.83	141.75	134.52
Purcha	aser				Price_	
Pen 64						
Lot	ID	DOB	Sire	Dam	SOD	
40	Tw 688	11-7-20	190002	180543	170142	
Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ
0.34	11.06	17.53	-0.19	2.70	146.86	137.58
Purcha	aser				Price_	
Pen 64						
Lot	ID	DOB	Sire	Dam	SOD	
41	Tw 695	14-7-20	190018	170258	BD 12261	
Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ
0.41	12.10	18.93	-0.54	2.01	148.91	140.33
Purcha	aser			<del> </del>	Price_	
Pen 64						
Lot	ID	DOB	Sire	Dam	SOD	
42	Tw 702	18-7-20	170142	170339	A 150277	
Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ
0.45	12.03	18.52	-0.63	1.95	146.83	138.77
Purcha	aser				Price_	<del> </del>
Pen 63						
Lot	ID	DOB	Sire	Dam	SOD	
43	Tw 364	18-5-20	170192	180249	170142	
Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ
0.54 11.13 17.64			-0.48	1.66	143.73	135.65
Purcha	aser				Price_	
TOP 5 %		TOP 10 %	ó l	TOP 20%	Top 3	30 %

Pen 63	1	5 White	Suffolk	K S1	tud E	we	S		
Lot	ID	DOB	Sire		Dan	1	5	SOD	
44	Tw 672	8-7-20	180154		16019	96	14	10317	
Bwt	Wwt	Pwwt	Pfat		Pem	d	7	ГСР	EQ
0.44	11.27	16.99	-0.48		1.89		1	42.58	135.80
Purcha	aser							Price	
Pen 63									
Lot	ID	DOB	Sire		Dan	ı	5	SOD	
45	Tw 814	6-8-20	170142		15069	)4	13	30399	
Bwt	Wwt	Pwwt	Pfat		Pem	d	-	ГСР	EQ
0.36	11.47	17.85	-0.84		1.95		1	45.72	134.44
Purcha	aser							Price	
Pen 62									
Lot	ID	DOB	Sire		Dan	1	\$	SOD	
46	Tw 792	3-8-20	170142		170547		1	40317	150169
Bwt	Wwt	Pwwt	Pfat		Pem	d	TCP		EQ
0.27	10.51	17.36	-0.37		1.93		1	44.03	137.56
Purch	aser							Price	
Pen 62									
Lot	ID	DOB	Sire		Dan	n	,	SOD	
47	Tw 797	3-8-20	170142		17053	35	1	60098	
Bwt	Wwt	Pwwt	Pfat		Pem	d	,	ГСР	EQ
0.35	12.33	19.34	-0.84		1.64	ļ	1	47.30	138.91
Purch	aser							Price	
Pen 62									
Lot	ID	DOB	Sire		Dar	n		SOD	
48	Tw 737	21-7-20	190094		1704	07	1	60098	
Bwt	Wwt	Pwwt	Pfat		Pem	d		ТСР	EQ
0.40	10.76	16.63	-0.76		1.22	2	1	46.47	142.19
Purchaser			· · · · · · · · · · · · · · · · · · ·			Price			
TOP 5 %		TOP 10 %		TO	P 20%			Top 30	9%

P	en 1									
Lot	ID	Born	Sire	Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ
49	Tr 329	May	160082	0.47	13.37	20.75	-0.65	1.73	148.9	137.6
	Purch	naser						Price		
50	8	April	190145	0.22	10.46	16.38	0.73	2.67	143.9	140.9
	Purch	naser						Price	e	
51	Tw 236	May	160082	0.45	12.17	18.73	-0.09	1.99	143.8	134.7
	Purch	Price	e							

Pen	2									
Lot	ID	Born	Sire	Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ
52	Tw 278	May	S 160067	0.45	11.54	18.45	0.17	3.07	155.8	146.9
	Purc	haser						Price		
53	266	May	ASH 170986	0.50	10.95	17.39	-0.57	2.57	155.6	148.6
	Purc	haser						Price	e	
54	369 May ASH 170986 0.61 10.76 16.70 -0.61							2.48	152.5	146.2
	Purchaser								e	

Pen	3										
Lot	ID	Born	Sire	Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ	
55	456	May	WB 173980	0.46	10.06	15.64	-0.19	2.56	150.5	145.5	
	Purchaser								Price		
56	Tr 637	June	190145	0.34	12.86	19.64	-0.42	2.35	152.4	144.4	
	Purcl	naser						Price			
57	Tw 380	May	160082	0.49	11.67	18.90	-0.21	2.20	146.8	137.6	
	Purchaser								e		

TOP 5 %		TOP 10 %		TOP 20%		Top 30 %	
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Pen 4	4									
Lot	ID	Born	Sire	Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ
58	Tw 171	May	170142	0.32	12.86	20.17	-0.65	2.02	149.0	139.5
	Purch	aser						Price		
59	Tw 603	June	190121	0.39	11.19	17.23	-0.92	1.61	145.2	139.8
	Purch	aser						Price	e	
60	Tw 431	May	170192	0.62	11.92	18.79	0.10	2.35	148.1	138.7
	Purch	aser		Price	e					

Pen	5										
Lot	ID	Born	Sire	Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ	
61	Tw 188	May	ASH 170986	0.39	9.45	15.22	-0.29	2.81	150.5	145.3	
	Purch	naser						Price	Price		
62	Tw 283	May	EM 180100	0.38	11.41	17.54	0.12	2.12	145.9	144.3	
	Purch	naser						Price	e		
63	394	May	ASH 170986	0.63	10.87	17.09	-0.54	2.22	148.8	140.6	
	Purchaser								e		

Pen (	6										
Lot	ID	Born	Sire	Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ	
64	403	May	WB 173980	0.31	10.12	15.70	0.24	2.71	150.4	150.2	
	Purch	aser			Price						
65	Tw 419 May 190002 0.26 9.78 15.34 0.19							2.72	141.2	135.2	
	Purchaser								Price		
66	6 243 May 190018 0.56 11.49 18.20 -0.08							2.52	146.6	136.2	
	Purch		Price	e							

TOP 5 %		TOP 10 %		TOP 20%		Top 30 %	
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Pen	7											
Lot	ID	Born	Sire	Bwt	Wwt	Pwwt	Pfat	Pemd	Pemd TCP E			
67	Tw 371	May	S 160067	0.46	10.90	17.93	0.10	2.02	150.8	143.8		
	Purchaser							Price				
68	Tr 288	May	S 160067	0.28	10.69	16.79	-0.17	2.42 151.5 145				
	Purchaser							Price	e			
69	Tw 679	July	190018	0.45	12.39	19.17	-0.43	1.95	146.0	136.9		
	Purchaser							Price	e			

Pen	8											
Lot	ID	Born	Sire	Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ		
70	Tw 229	May	170142	0.39	11.66	18.44	-0.56	1.53	144.4	136.7		
	Purch	Purchaser								Price		
71	214 May ASH 170986 0.62 10.77 17.16 -0.52							2.22	153.2	147.9		
	Purch	Purchaser										
72	Tw 397	May	160082	0.39	13.13	20.25	-0.35	2.36	149.4	138.6		
	Purch	Purchaser										

Pen ?	9									
Lot	ID	Born	Sire	Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ
73	Tw 480	May	170192	0.63	11.98	18.93	1.03	2.43	144.3	137.9
	Purch	aser			Price					
74	Tw 322 May ASH 170986 0.40 11.06 17.92 0.45								152.4	149.4
	Purch	aser		Price						
75	Tw 269 May S 160067 0.34 10.14 16.84 0.13							2.88	152.9	145.9
	Purch	aser		Price	e					

TOP 5 % TOP 10 %	TOP 20%	Top 30 %	
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Pen :	10												
Lot	ID	Born	Sire	Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ			
76	Tw 221	May	190145	0.16	10.48	16.68	0.90	3.02	147.3	144.7			
	Purch	Purchaser								Price			
77	Tw 260 May S 160067 0.51 10.13 16.39 0.53							2.80	150.3	143.6			
	Purch	Purchaser											
78	Tw 345	May	WB 173980	0.45	9.68	14.79	-0.01	2.10	145.0	141.6			
	Purch	Purchaser											

Pen	11										
Lot	ID	Born	Sire	Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ	
79	Tr 312	May	160082	0.44	12.92	19.92	-0.30	1.83	146.0	135.8	
	Purcha	Purchaser							Price		
80	Tw 106 May S 160067 0.25 10.02 16.63 0.05						0.05	2.96	153.8	145.2	
	Purcha	Purchaser							e		
81	Tw 32	April	190018	0.41	11.37	17.51	-0.34	1.85	141.6	133.1	
	Purcha	aser			Price	e					

Pen	12										
Lot	ID	Born	Sire	Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ	
82	Tw 271	May	S 160067	0.24	9.03	14.89	0.46	2.93	146.6	140.1	
	Purch		Price								
83	Tw 401 May 170142 0.24 10.62 16.91 0.11								142.2	137.1	
	Purchaser								Price		
84	Tw 684	July	190018	0.48	12.56	19.31	-0.93	1.50	148.3	139.9	
	Purchaser								e		

	TOP 5 %		TOP 10 %		TOP 20%		Top 30 %	
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Pen	13											
Lot	ID	Born	Sire	Bwt	Wwt	Pwwt	Pfat	Pemd	Pemd TCP			
85	568	May	190002	0.42	10.74	17.07	-0.25	2.20	143.5	134.2		
	Purchaser						Price					
86	336	May	170142	0.34	12.31	19.39	-0.71	1.93	141.1			
	Purchaser							Price	e			
87	Tw 281	May	WB 173980	0.34	10.08	15.18	-0.35	2.37	151.6	152.0		
	Purchaser							Price	e			

Pen 1	14										
Lot	ID	Born	Sire	Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ	
88	Tw 50	May	160082	0.51	12.15	17.94	-1.13	1.23	145.1	137.5	
	Purchaser_							Price			
89	244	244 May 160082 0.56 11.24 17.60 -0.10							141.2	132.7	
	Purchaser								Price		
90	Tw 379	May	160082	0.51	12.00	19.21	-0.32	1.99	146.4	137.0	
	Purch		Price	e							

Pen	15									
Lot	ID	Born	Sire	Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ
91	Tw 55	May	190002	0.34	10.12	16.42	0.00	2.12	141.1	135.1
	Purchaser								e	
92	556	May	170192	0.54	12.32	19.03	-0.07	1.85	147.6	141.1
	Purch	aser						Price	e	
93	Tw 618 June 160082 0.36 10.41 15.52 -0.2								136.0	127.9
Purchaser									e	

TOP 5 %	TOP 10 %	TOP 20%	Top 30 %	

Pen	Pen 16									
Lot	ID	Born	Sire	Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ
94	Tw 545	May	190002	0.29	9.40	14.61	-0.14	2.65	140.1	133.5
	Purchas	Purchaser							e	
95	Tw 514							2.42	142.4	134.0
	Purchas	ser						Price	e	
96	Tw 235	0.04	1.93	140.0	132.1					
	Purchaser								e	

Pen	17									
Lot	ID	Born	Sire	Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ
97	Tw 14	April	190002	0.25	9.80	15.63	0.31	3.13	143.6	136.8
	Purcha	Purchaser							e	
98	Tw 633	June	190145	0.25	10.09	15.60	0.05	1.93	142.0	138.8
	Purcha	iser						Price	e	
99	Tw 689	-0.61	1.56	142.2	134.0					
	Purcha	iser		Price	e					

Pen	18										
Lot	ID	Born	Sire	Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ	
100	Tw 406	May	WB 173980	0.28	8.62	13.25	0.43	2.65	144.5	146.0	
	Purchaser								Price		
101	Tw 375	May	190018	0.54	11.45	18.20	-0.56	2.06	147.1	138.6	
	Purch	aser						Price	e		
102	<b>12</b> Tw 263 May WB 173980 0.44 9.74 15.21 -0.0								147.9	145.0	
	Purchaser										

TOP 5 %	TOP 10 %	TOP 20%	Top 30 %	

Pen	19									
Lot	ID	Born	Sire	Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ
103	Tw 372	May	ASH 170986	0.37	9.69	15.79	-0.24	2.35	150.6	147.0
	Purch	aser				Price	e			
104	389 May 170192 0.54 10.99 17.73							2.07	146.0	138.1
	Purch	aser						Price	e	
105	Tw 222	May	ASH 170986	0.34	10.42	16.71	-0.37	2.47	151.5	146.4
	Purch	aser			Price	e				
	·									
Pen 20										

Pen	20									
Lot	ID	Born	Sire	Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ
106	Tw 417	May	190018	0.49	11.64	18.45	-1.49	1.70	148.4	137.9
	Purchaser							Price	e	
107	Tw 279	May	WB 173980	0.36	9.96	14.77	-0.16	2.21	146.8	146.5
	Purch	aser						Price	e	
108	8 Tw 127 May 190145 0.38 11.16 17.36 -0.4							1.85	146.9	142.2
	Purchaser									

Pen 2	21									
Lot	ID	Born	Sire	Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ
109	Tw 255	May	160082	0.35	11.12	17.62	-0.18	2.11	142.4	133.0
	Purch	naser		Price	e					
110	Tw 408	May	160082	0.48	12.28	18.85	0.20	2.25	143.6	135.4
	Purch	naser						Price	e	
111	Tw 450	-0.32	2.34	141.8	132.6					
	Purchaser								e	

TOP 5 %	TOP 10 %	TOP 20%	Top 30 %	

Pen	22									
Lot	ID	Born	Sire	Bwt	Wwt	Pwwt	Pfat	Pemd	ТСР	EQ
112	Tw 351	May	190018	0.35	11.42	17.66	-0.26	1.78	141.0	133.0
	Purchaser							Price	e	
113	Tw 112							2.18	146.7	138.0
	Purcha	ser						Price	e	
114	14 Tw 48 May 160082 0.42 11.21 17.39 -0.0								144.6	135.0
	Purchaser								e	

Pen 2	23									
Lot	ID	Born	Sire	Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ
115	Tw 370	May	S 160067	0.47	11.20	18.29	0.08	2.10	152.0	144.7
	Purcha	Purchaser							e	
116	Tw 259	May	S 160067	0.51	10.35	16.59	0.54	2.92	151.2	144.3
	Purcha	ser						Price	e	
117	Tw 231 May 160082 0.44 11.68 18.35 0.03							2.41	144.9	135.6
	Purcha		Price	e						

Pen 2	24									
Lot	ID	Born	Sire	Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ
118	Tr 287	Tr 287   May   S 160067   0.28   10.79   17.32   -0.28   Purchaser						2.39	153.2	147.0
	Purcha	iser			Price	e				
119	Tw 212	Tw 212 May S 160067 0.40 10.96 17.75 1.73						4.31	157.3	152.3
	Purcha	iser						Price	e	
120	358 May \$160067 0.35 10.33 16.86 -0.63						-0.63	2.23	152.2	142.5
	Purcha	Purchaser_							e	

TOP 5 %	TOP 10 %	TOP 20%	Top 30 %	

Pen 2	25									
Lot	ID	Born	Sire	Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ
121	Tw 497	May	170192	0.59	11.52	18.85	-0.23	1.91	147.4	139.8
	Purcha	aser			Price	e				
122	757	July	190002	0.44	10.79	17.49	-0.12	2.61	147.0	139.7
	Purcha	aser						Price	e	
123	Tr 759 July 170142 <mark>0.25</mark> 10.70 17.36 -0.4							1.84	142.4	135.7
	Purcha	aser			Price	e				

Pen 2	6									
Lot	ID	Born	Sire	Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ
124	686	686 July 190002 0.33 10.23 16.14 -0.  Purchaser							141.3	135.5
	Purcha	aser			Price	e				
125	Tw 388 May 190002 0.25 9.30 14.40 0.65							3.18	140.6	136.1
	Purcha	aser						Price	e	
126	Tw 59	-0.46	2.42	147.8	138.9					
	Purcha	aser			Price	e				

Pen 2	27									
Lot	ID	Born	Sire	Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ
127	Tw 162	May	170142	0.43	11.42	18.04	-0.89	1.49	145.5	137.4
	Purch	Purchaser								
128	Tw 402	May	170142	0.27	11.13	17.65	-0.17	1.82	143.5	137.7
	Purch	aser						Price	e	
129	411	May	ASH 170986	-0.87	1.82	152.1	146.8			
	Purch	aser			Price	e				

TOP 5 % TOP 10 % TOP 20% Top 30 %	TOP 5 %		TOP 10 %		TOP 20%		Top 30 %	
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Pen	28									
Lot	ID	Born	Sire	Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ
130	Tw 483	May	190002	0.24	9.22	14.42	0.23	2.25	135.0	129.2
	Purcha	ser						Price	e	
131	Tw 173	May	170142	0.54	13.62	21.17	-0.44	1.99	152.3	143.7
	Purcha	ser						Price	e	
132	801	August	190094	0.31	9.64	15.40	0.03	2.59	147.2	141.4
	Purchaser								e	

Pen 2	29									
Lot	ID	Born	Sire	Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ
133	Tw 18	April	170192	0.58	12.07	18.91	-0.15	2.38	147.4	137.1
	Purch	Purchaser								
134	Tw 210	May	ASH 170986	0.50	10.29	16.13	-0.71	2.00	152.3	147.8
	Purch	aser						Price	2	
135	Tw 298 May S 160067 0.32 10.45 16.78 0.13							2.60	149.9	142.3
	Purch	aser			Price	2				

Pen 3	30									
Lot	ID	Born	Sire	Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ
136	Tw 791	August	170142	0.26	10.34	17.13	-0.44	1.59	141.9	136.1
	Purcha	aser		Price	e					
137	Tw 687	July	190002	0.33	11.01	17.42	-0.36	2.34	145.2	136.2
	Purcha	iser						Price	e	
138	Tw 436 May 160082 0.31 10.99 17.21 -0.26							2.41	144.8	135.8
	Purcha	iser		Price	e					

TOP 5 %	TOP 10 %	TOP 20%	Top 30 %	

Pen	31									
Lot	ID	Born	Sire	Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ
139	Tw 573	May	170142	0.55	13.37	20.80	-1.08	0.98	148.3	139.7
	Purcha	iser			Price	e				
140	Tr 313	May	160082	0.40	12.25	18.98	-0.44	2.13	146.9	136.4
	Purcha	iser						Price	e	
141	Tw 383 May 170142 0.32 11.93 18.68 -0.0							2.07	145.4	138.3
	Purcha	aser		Price	e					

Pen 3	32									
Lot	ID	Born	Sire	Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ
142	Tw 557	May	190145	0.31	10.87	17.31	0.78	3.16	149.8	143.0
	Purcha	ser			Price	e				
143	Tw 154	Tw 154 May S 160067 0.36 10.39 16.74 -0.49							151.6	142.7
	Purcha	ser						Price	e	
144	Tw 49	0.41	2.94	139.9	132.0					
	Purcha	ser			Price	e				

Pen 3	33									
Lot	ID	Born	Sire	Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ
145	Tr 40	May	160082	0.35	11.27	17.71	-0.67	1.87	143.8	132.8
	Purcha	urchaser						Price	e	
146	103	May	170142	0.48	11.56	18.25	-0.33	1.87	144.9	138.5
	Purcha	iser						Price	e	
147	320	320 May 160082 0.44 11.89 18.54 -0.4							143.4	134.2
	Purcha		Price	e						

TOP 5 %	TOP 10 %	TOP 20%	Top 30 %	

Pen	34									
Lot	ID	Born	Sire	Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ
148	316	May	ASH 170986	0.34	10.11	16.07	-0.47	2.65	152.8	148.1
	Purch	aser						Price	e	
149	Tw 249	May	170192	0.56	10.58	16.45	-0.55	1.21	138.8	131.0
	Purch	aser						Price	e	
150	Tw 66	May	190002	0.35	10.38	16.52	-0.40	1.95	140.9	132.8
	Purch		Price	e						

Pen 3	35									
Lot	ID	Born	Sire	Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ
151	Tw 108	May	170142	0.21	11.42	18.06	-0.62	2.49	148.7	141.0
	Purcha	aser			Price	e				
152	Tw 529	May	-0.46	2.18	143.4	136.3				
	Purcha	aser						Price	e	
153	567	May	170142	-0.75	2.11	148.5	140.3			
	Purcha	aser		Price	e					

Pen	36									
Lot	ID	Born	Sire	Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ
154	Tw 579	June	170192	0.58	11.86	18.10	-1.14	1.11	143.5	134.4
	Purchaser							Price	e	
155	Tw 549	May	190145	0.23	10.15	15.39	-0.34	2.01	146.9	145.8
	Purcha	aser						Price	e	
156	Tw 391	May	160082	0.40	10.98	17.18	0.22	1.83	139.3	131.7
	Purchaser								e	

TOP 5 %	ŗ	TOP 10 %	TOP 20%	Top 30 %	

Pen	37									
Lot	ID	Born	Sire	Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ
157	438	May	160082	0.28	9.59	14.16	-0.12	1.52	130.2	122.9
	Purchaser							Price	e	
158								2.31	141.2	135.4
	Purcha	iser						Price	e	
159	9 Tw 742 July 170142 0.28 11.96 18.69 -0.4								147.0	137.2
	Purchaser								e	

Pen 3	38									
Lot	ID	Born	Sire	Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ
160	784	July	170142	0.26	11.59	18.01	-0.36	2.57	146.8	139.6
	Purcha	urchaser						Price	e	
161	Tw 479							2.31	147.8	143.0
	Purcha	iser						Price	e	
162	Tw 46	May	190002	-0.08	2.34	141.4	134.6			
	Purcha	Purchaser								

Pen	39									
Lot	ID	Born	Sire	Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ
163	Tw 307	May	WB 173980	0.46	10.30	15.87	0.13	2.18	148.7	148.1
	Purch	aser						Price	e	
164	Tw 458	May	160082	0.33	11.21	17.24	-0.15	1.79	140.7	132.9
	Purch	aser						Price	e	
165	745	July	190094	0.38	11.19	17.09	-0.67	1.79	151.6	147.6
	Purch	Purchaser_							e	

TOP 5 %	TOP 10 %	TOP 20%	Top 30 %	

Pen	40									
Lot	ID	Born	Sire	Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ
166	Tw 465	May	170142	0.16	10.10	16.21	-0.16	2.38	142.9	136.7
	Purch	naser						Price	e	
167	Tw 347	May	S 160067	0.38	10.44	17.01	0.01	2.46	151.9	144.8
	Purch	naser						Price	e	
168	Tw 180	May	EM 180100	0.07	10.49	16.87	-0.05	2.28	144.2	141.1
	Purchaser								e	

Pen	41									
Lot	ID	Born	Sire	Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ
169	Tw 367	May	WB 173980	0.37	8.77	14.24	0.04	2.58	148.8	149.2
	Purchaser							Price	e	
170	Tw 741	July	170142	0.28	11.95	18.69	-0.32	2.34	146.6	137.3
	Purch	naser						Price	e	
171	Tw 789	-0.59	2.05	142.4	132.6					
	Purchaser							Price	e	

Pen 42										
Lot	ID	Born	Sire	Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ
172	Tw 733	July	190094	0.45	11.20	16.82	-0.79	1.63	148.1	142.4
	Purchaser							Price		
173	735	July	180154	0.46	10.30	15.14	-0.51	1.53	136.1	129.9
	Purchaser							Price		
174	518	May	190145	0.26	9.82	15.64	0.48	2.46	143.5	140.0
	Purchaser							Price		

TOP 5 %	TOP 10 %	TOP 20%	Top 30 %	

# 132 White Suffolk Flock Rams Pens of 3

Pen -	43									
Lot	ID	Born	Sire	Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ
175	Tw 709	July	170142	0.33	11.45	17.89	-0.38	1.59	143.6	137.8
	Purch	aser			Price	e				
176	Tw 650	June	190002	0.30	10.73	16.89	-0.40	2.20	145.8	139.9
	Purch	aser						Price	e	
177	Tw 256	May	160082	0.40	11.68	18.27	-0.29	1.69	141.2	131.8
	Purch	aser			Price	e				

Pen 4	14									
Lot	ID	Born	Sire	Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ
178	Tr 11	April	190018	0.38	11.69	18.54	-0.63	1.59	144.0	134.5
	Purch	aser						Price	e	
179	Tw 346	May	WB 173980	0.41	8.96	13.67	0.06	2.22	143.2	140.2
	Purch	aser						Price	e	
180	Tw 584	June	160082	0.49	12.72	18.97	-0.57	1.95	144.0	133.9
	Purch	aser			Price	e				

TOP 5 % TOP 10 % TOP 20% Top 30 %

Pen -	45									
Lot	ID	Born	Sire	Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ
181	Tw 78	MAY	180107	0.47	11.39	16.77	-0.68	2.03	143.1	132.8
	Purcha	aser			Price	e				
182	Tw 102	MAY	190024	0.32	10.19	14.89	-1.50	2.23	142.4	132.4
	Purcha	aser						Price	e	
183	137	MAY	-0.50	2.15	143.4	136.1				
	Purcha	Purchaser							e	

Pen 4	46									
Lot	ID	Born	Sire	Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ
184	Tw 15	MAY	190024	0.36	11.03	16.15	-1.61	1.54	143.9	136.5
	Purch	Purchaser							e	
185	Tw 43	MAY	180107	0.42	9.53	13.17	-0.98	2.00	136.0	125.2
	Purch	aser						Price	e	
186	Tw 49	Tw 49 MAY 180107 0.51 11.01 15.36 -0.8							135.6	124.0
	Purch	Purchaser						Price	e	

Pen	47									
Lot	ID	Born	Sire	Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ
187	Tw 26	MAY	180107	0.43	9.23	13.46	-0.62	2.10	136.8	128.1
	Purchaser						Price	e		
188	Tw 44	MAY	180107	0.35	8.93	12.66	-0.61	2.48	136.8	126.6
	Purcha	aser						Price	e	
189	Tw 117	MAY	180107	0.44	9.86	14.37	-1.23	1.97	141.6	131.9
	Purchaser								e	

1				
TOP 5 %	TOP 10 %	TOP 20%	Top 30 %	
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Pen	48									
Lot	ID	Born	Sire	Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ
190	Tw 38	MAY	180107	0.39	10.77	15.95	-1.45	1.39	143.0	132.8
	Purcl	Purchaser						Price	e	
191	61	MAY	190029	0.36	8.85	12.99	-0.88	2.40	140.2	135.3
	Purcl	naser						Price	e	
192	Tw 86	MAY	190029	0.48	10.02	14.21	-1.50	1.27	137.1	130.9
	Purcl	Purchaser							e	

Pen	49									
Lot	ID	Born	Sire	Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ
193	Tw 7	APRIL	190029	0.38	10.73	15.89	-1.50	2.09	145.1	135.5
	Purchaser							Price		
194	Tw 33	MAY	190029	0.44	9.57	13.89	-1.64	1.16	135.0	127.7
	Purc	haser						Price	e	
195	100	MAY	190024	0.37	9.62	14.11	-1.06	2.13	138.9	131.3
	Purchaser								e	

Pen	50											
Lot	ID	Born	Sire	Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ		
196	Tw 48	MAY	180107	0.56	11.01	15.38	-1.32	1.21	135.4	123.2		
	Purch	naser						Price	Price			
197	Tw 152	MAY	190024	0.21	9.13	13.13	-0.85	2.40	136.3	128.2		
	Purch	naser						Price	e			
198	157	MAY	190024	0.26	9.62	14.49	-0.44	2.79	142.2	135.7		
	Purchaser							Price	e			

TOP 5 %	TOP 10 %	TOP 20%	Top 30 %	

Pen	51									
Lot	ID	Born	Sire	Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ
199	Tw 11	APRIL	190029	0.37	9.32	13.55	-0.72	2.39	139.9	135.1
	Purcha	Purchaser						Price	e	
200	Tw 154	MAY	190029	0.33	8.52	12.35	-1.04	2.00	137.0	132.5
	Purcha	ser						Price	e	
201	Tw 171 JULY 190003 0.53 10.76 15.51 -0.8							2.35	143.2	132.4
	Purcha		Price	e						

Pen	52									
Lot	ID	Born	Sire	Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ
202	Tw 28	MAY	190024	0.28	9.97	15.14	-1.05	2.65	145.6	137.6
	Purch	aser			Price	e				
203	Tw 91	MAY	190024	0.32	9.38	13.98	-0.68	1.98	137.3	131.4
	Purch	aser						Price	e	
204	TR 134 MAY 190024 0.47 11.43 17.12 -1.23								150.9	142.2
	Purch	aser		Price	e					

Pen :	53									
Lot	ID	Born	Sire	Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ
205	Tw 195	JULY	190003	0.44	9.36	13.75	-0.24	1.92	133.3	124.4
	Purch	aser		Price	e					
206	218	JULY	190003	0.37	9.85	14.31	-0.92	1.57	137.1	127.3
	Purch	aser						Price	e	
207	Tw 225	AUGUST	190003	0.42	9.83	14.41	-0.26	2.31	138.3	129.7
	Purch	aser		Price	e					

TOP 5 %	TOP 10 %	TOP 20%	Top 30 %	

Pen	Pen 54									
Lot	ID	Born	Sire	Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ
208	Tw 17	APRIL	190024	0.26	9.78	13.86	-0.91	2.57	138.8	129.8
	Purcl	naser						Price	e	
209	Tw 65	MAY	190024	0.25	9.20	13.48	-0.78	2.23	138.1	133.1
	Purcl	naser						Price	e	
210	Tw 67	MAY	180107	0.44	10.84	15.83	-1.13	1.93	142.4	131.4
	Purcl	naser		Price	e					

Pen 5	5									
Lot	ID	Born	Sire	Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ
211	129	MAY	190029	0.37	9.27	13.72	-1.02	1.86	137.3	130.8
	Purcha	ser			Price	e				
212	Tw 197							1.53	135.8	127.8
	Purcha	ser						Price	e	
213	Tw 216 JULY 190003 0.52 10.00 14.18 -0							1.39	131.6	120.6
	Purcha	ser			Price	e				

Pen 5	56									
Lot	ID	Born	Sire	Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ
214	Tw 30	MAY	-1.31	1.52	133.6	126.8				
	Purcha	iser		Price	e					
215	Tw 140								130.8	123.9
	Purcha	iser						Price	e	
216	Tw 186 JULY 190003 0.46 9.30 13.49 -0							1.91	135.0	126.9
	Purcha	iser		Price	e					

TOP 5 %	TOP 10 %	TOP 20%	Top 30 %	

Pen 5	57									
Lot	ID	Born	Sire	Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ
217	Tw 202	JULY	190003	0.33	8.93	13.13	-0.65	1.65	133.6	125.6
	Purch	naser		Price	e					
218	Tw 211	JULY	190003	0.44	10.06	14.73	-0.48	1.81	138.0	129.9
	Purch	naser						Price	e	
219	TR 223	AUGUST	190003	0.43	9.69	13.90	-0.28	2.47	137.1	127.5
	Purch	naser			Price	e				

Pen :	58									
Lot	ID	Born	Sire	Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ
220	Tw 92	MAY	190029	0.36	7.33	10.98	-1.06	1.43	131.3	128.4
	Purcha	iser						Price	e	
221	Tw 209 JULY 190003 0.42 9.99 14.47 -0							1.92	138.9	130.9
	Purcha	iser						Price	e	
222	2 Tw 219 JULY 190003 0.41 8.41 12.60 -0.							2.16	134.3	125.3
	Purcha		Price	e						

Pen 5	9									
Lot	ID	Born	Sire	Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ
223	Tw 128	MAY	14.61	-1.13	2.40	144.7	136.7			
	Purcha	aser			Price	e				
224	Tw 174								125.6	
	Purcha	aser						Price	e	
225	181 JULY 190003 0.37 8.94 13.13 -0							2.21	134.7	124.8
	Purcha	aser		Price	e					

TOP 5 %	TOP 10 %	TOP 20%	Top 30 %	

Pen 6	50									
Lot	ID	Born	Sire	Bwt	Wwt	Pwwt	Pfat	Pemd	TCP	EQ
226	Tw 29	MAY	190024	0.32	9.91	14.78	-0.91	2.99	146.5	138.4
	Purch	aser			Price	e				
227	Tw 55	MAY	180107	0.50	10.13	14.37	-1.35	1.35	136.6	126.7
	Purch	naser						Price	e	
228	161 MAY 190029 0.33 8.45 12.23 -0						-0.79	2.00	135.3	131.5
	Purch	naser		Price	e					

TOP 5 % TOP 10 % TOP 20% Top 30 %

# 11 Pure Prime SAMM Rams

Pen 7	8									
Lot	ID	Born	Sire	Spin F	Curv	SD	CV	CF %	Micron	
229	2								23.7	
	Purc	haser			Price	e				
230	Tw 19	MAY	LP 188134	17.4	87.1	25.9				
	Purc	haser						Price	e	
231	Tw 20	Tw 20 MAY LP 188134 22.20 105.82 4.10 17							23.5	
	Purc	naser			Price	e				

Pen	79										
Lot	ID	Born	Sire	Spin F	Curv	SD	CV	CF %	Micron		
232	Tw 37	MAY	LP 188134	23.60	98.84	3.30	13.0	92.0	25.7		
	Purchaser							Price			
233	41	MAY	LP 188134	24.30	104.70	4.00	15.3	88.5	26.1		
	Purchaser								Price		
234	Tw 54	JUNE	LP 188134	23.40	94.66	4.50	18.2	92.5	24.6		
	Purchaser							Price	e		

Pen 8	30									
Lot	ID	Born	Sire	Spin F	Curv	SD	CV	CF %	Micron	
235	Tw 29	MAY	LP 188134	23.60	125.71	4.40	17.7	93.9	24.9	
	Purchaser							Price		
236	Tr 21	MAY	LP 188134	25.90	110.20	5.00	18.5	81.1	27.2	
	Purchaser							Price		
237	Tw 17	MAY	LP 188134	25.80	97.27	4.60	17.0	81.6	27.3	
	Purchaser							Price	e	

#### 11 Pure Prime SAMM Rams

Pen	81								
Lot	ID	Born	Sire	Spin F	Curv	SD	CV	CF %	Micron
238	Tw 31	MAY	LP 188134	22.30	107.3 2	3.40	14.1	96.9	24.1
	Purchaser							Price	
239	Tw 32	MAY	LP 188134	27.7	95.42	4.6	15.5	58.50	29.7
	Purchaser							Price	
			•			•			

#### Micron tested 16th of July.

Wool results should be used as a guide. Factors such as environment, seasonal conditions and amount of feed given can vary the results.

We recommend a visual approach when selecting rams.

Buyer Instruction slip for Warburn Stud/flock ram sale
Name
Address
Postcode Telephone
Send Account to
Do you require transfer papers for stud rams/ewes purchased?
YES / NO
Stud Name & Flock No
Lots Purchased:
Lot noPrice
Lot no Price
Consigned to
Insure yes/no Insurance name
Buyers Signature
Date 29/9/2021

We wish to thank all our buyers and under bidders for their attendance and support.

Amando, María & Mark Dissegna.