



Etiwanda Rangeland Ready Ram Sale.

February 26th 2020, Inspections from 9am, sale starts 11am, at Etiwanda.

ETIWANDA
100% RANGELAND READY



80 White Dorper rams. Never shorn or hoof trimmed. 20 years of Rangeland Ready breeding, and performance recorded on LAMBPLAN.

The Mosely Family, Etiwanda Station, Cobar, NSW 2835.

Andrew 0419 477983, Megan 0429 477930, Luke Scales 0447 769588


AuctionsPlus
Buy and Sell stock nationally

LANDMARK
Russell

Etiwanda Rangeland Ready Sale.

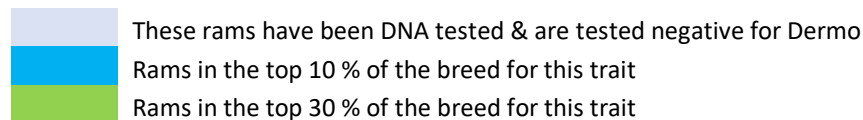
Dear Fellow Producers,

We warmly welcome you to the 2020 Rangeland Ready Ram Sale, interfaced with AuctionsPlus, and scheduled to start at 11am, February 26th.

This year's rams are all 17 – 19 months old (except Lot 6, who is 2.5 yrs old). They are in great condition, are well grown, and are displaying plenty of capacity, muscle and development. Sires represented in the sale include Nonning 100044, Saltbush 150070 (tested in the MLA resource flock), Matchless 150440, Etiwanda 160068, 160224, 160518, 160613 (tested in the resource flock), & 160623 (tested in the resource flock). We have another 2 rams 182177 (who is listed in the sale) & 182514, who are both entered in this year's progeny test for the resource flock also.

Every ram in our sale is born unassisted, from highly adapted Rangeland Ready ewes. The rams in this year's sale are the result of our 2018 AI program, where we used 8 different sires. In 2018 we chose to trial the Smart Shepherd™ collars to mother up the lambs. We had some problems with the batteries on these collars and as such we had a few lambs for whom we were unable to determine their pedigree. You will notice these animals in the sale list will have a blank sire and the ASBVs reflect only their individual performance. These rams lack the pedigree data to calculate ASBV's. They are still excellent rams and shouldn't be overlooked.

We have used The Maternal Carcase Production (MCP) index to rank our rams. The MCP index ranks animals on their suitability for a self-replacing system with a carcase production focus. This index balances the main economic traits relevant to maternal breeders. This allows higher gains to be made for growth, carcase & reproductive traits. The index also assumes no mating to terminal sires. The index aims to maintain adult weight at current levels. Please note that 30% of the catalogue are in the top 10% & 56% of the catalogue are in the top 30% of the shedders database ranked on their MCP index.



We also took our first steps to developing a genomics profile of our flock by DNA testing 25 select rams from the 2018 drop. This information is used by the Sheep genetics database to inform the ASBVs for these animals and to develop lamb eating quality ASBVs. We have printed the Lamb Eating Quality (LEQ) index for your information. 160613 is in the top 1% on LEQ & top 2% on MCP index. We also tested this group for dermatosparaxis and all tested negative.

Ram 182177 (Lot 9) is an extremely interesting ram, he is super correct and sound on his feet, has balanced performance data, his dam has weaned 2 sets of twins and is still active in our flock. We have exported semen to the USA & NZ from him. 182514 is a ram that we have retained who is in the top 2% on MCP index, top 4% on LEQ, and his dam has weaned 8 lambs in 5 years.

Our sale catalogue and all ram photos will be online at AuctionsPlus at www.auctionsplus.com.au

Our flock is a tested Brucellosis free flock – certificate number CW-01/17.

The majority of the sale rams are eligible for registration with The Dorper Sheep Society of Australia. If you are wanting sheep registered, please check with us prior to the sale.

Inspections are welcome prior to the sale by appointment, or on sale day from 9am. Come and enjoy a coffee and morning tea and then take a wander through the sale pens. Morning tea & lunch is provided for your enjoyment.

Safe travels to Etiwanda, we look forward to seeing you on the 26th.

Yours faithfully,

Andrew & Megan, Emily & Jess Mosely



Rangeland Ready.

Hardy, profitable, highly adapted White Dorpers that have never been shorn or hoof trimmed. Raised on the Rangelands of Cobar and performance recorded on LAMBPLAN. Rangeland Ready – bred like they ought to be!

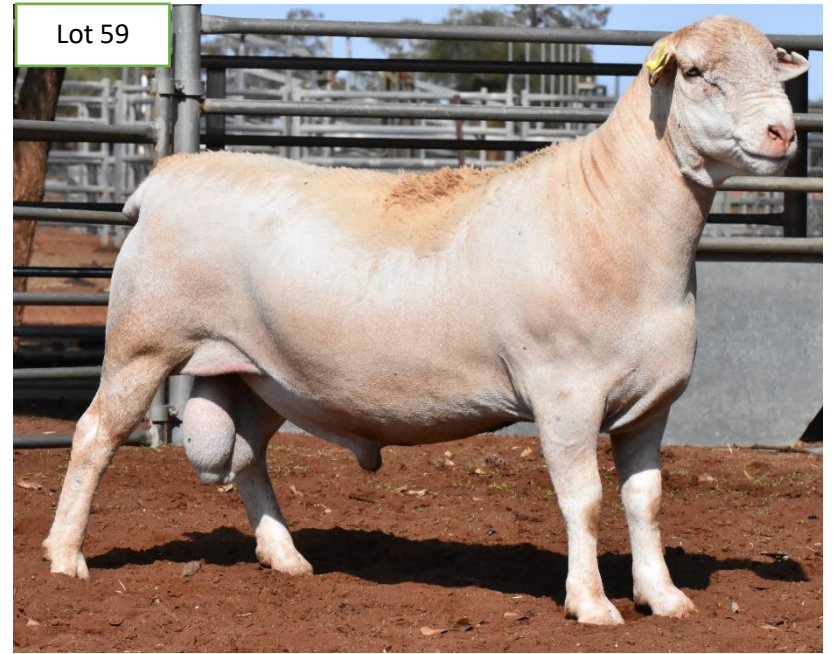
We have 10 Rangeland Ready rules that we run our sheep operation by.

1. We use LAMBPLAN to provide practical information on the genetic potential of our animals & monitor our breeding program - objectively.
2. By running the animals extensively we apply enough pressure on the ewe flock to force out the unadapted and infertile animals.
3. The natural resources placed under our stewardship are managed in a regenerative manner.
4. In addition to growth and performance, we select for other vital economic traits like fertility, lambing ease, moderate ewe size, muscling ability, structural correctness, disposition and longevity.
5. Sheep are run in a real-world environment, as tough as or tougher than the environment most commercial ewes are run in.
6. Replacement ewes are developed on a low-cost, Rangeland based diet with minimum supplements. We only want the most efficient and most adapted ewes to make it into the breeding flock.
7. We let the environment sort out the profitable ones; we show no sympathy for empty or dry ewes.
8. A ram lamb must be born unassisted to make it into one of our ram sales.
9. A ewe must produce and wean at least one lamb every year to remain in the flock.
10. Our honesty & integrity will not be compromised.

The aim of our program has always been to produce sheep to improve your profits. Our program focuses on providing our clients with genetics that excel in the traits of economic importance in efficient lamb production. For us, the economic drivers are fertility, growth, carcass, and maternal efficiency traits. And these traits come in a functional, sound and hardy package. We use a combination of ASBV's, visual appraisal and individual performance to guide us in our Rangeland Ready selection decisions. In addition to our breeding goals we also understand that our success as a genetic source comes down to client satisfaction. Our aim is to develop long standing relationships with commercial sheep producers who we provide with rams with real genetic value.

The Mosely family grazing operation covers over 26,000 hectares of owned & leased land, located near Cobar, in the semi-arid Western Division of NSW. The business incorporates a White Dorper stud & commercial meat sheep operation as well as a Red Angus stud & commercial beef and meat goat enterprises. The enterprises are all designed to be low input and easy care. The stud White Dorper operation has over 1000 performance recorded ewes. The entire operation runs between 10-15,000 DSE depending on seasonal conditions.





LAMBPLAN

LAMBPLAN data is a very valuable ram selection tool. Every Etiwanda ram (and ewe) has an ASBV.

How do ASBV's help in the selection of rams?

1. They take into account the performance of the ram's relatives as well as the animal's own performance.
2. They use an industry standard language that means the same wherever you are.
3. They allow you to compare rams on the basis of how they will breed (breeding value) rather than how well they have been fed (environmental influence).
4. They can be used to accurately estimate progeny performance for specific traits and to predict the outcome of breeding programs.
5. They identify genetic differences for hard to see traits such as maternal ability & reproductive performance of daughters.
6. They report differences in units of commercial value, eg. carcase yield, numbers of lambs weaned.



Performance recording is an objective means of benchmarking the genetic capabilities of our own animals against animals from other studs, free of known environmental biases such as rearing type and feed regime.

Traits that we measure, and record include the following: Sire and Dam, Date of Birth, Birth Type and rearing type (ie single twin etc), weaning weight, post weaning weight, post weaning eye muscle depth, post weaning fat depth & scrotal circumference.

The performance information collected from the above is analysed by LAMBPLAN to produce Australian Sheep Breeding Values (ASBV's). The ASBVs are used in conjunction with visual appraisal to select future sires and dams in our breeding program.

LAMBPLAN provides practical information for sheep producers on the genetic potential of the animals.

2018 drop Breed Average Table for the Sheddars database.

	WWT	PWT	PFAT	PEMD	PSC	NLW	MCP	LEQ
Top 50%	5.4	8.7	0	1.4	4.3	3%	129.5	123.1

LAMBPLAN - Tips for buyers.

- ASBVs are designed to be used to compare the genetic potential of animals independent of the environment and location.
- The traits to focus on will be the ones that matter to your breeding objective and your back pocket.
- Consider the current performance of your sheep.
- Selection Indexes can be used as a way of weighing up different traits for a particular breeding objective.
- Indexes can be helpful to narrow down selection however the individual trait values must be considered.
- Percentile band reports can be useful to determine how an animal ranks relative to the rest of the breed for individual traits.(report at back of catalogue)
- Balanced Selection is critical. Don't chase excessive growth and risk unwanted side effects such as sheep becoming too big for the environment.

If you need a hand with ASBV's – please give Andrew a call on 0419 477983.



Understanding LAMBPLAN Maternal ASBVs

Rams with a more positive weaning weight (WWT) will, on average, produce lambs that grow quicker to weaning. This ram will produce lambs that are, on average, 0.4kg heavier than a ram with a 0 ASBV for WWT.

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, 1.25kg heavier than a ram with a 0 ASBV for PWT.

Rams with more positive ASBVs for eye muscle depth (EMD) produce lambs that have a higher lean meat yield. This ram will produce lambs that have a 0.2mm deeper eye muscle than a ram with a 0 EMD ASBV.

Rams with a higher clean fleece weight (CFW) ASBV will produce progeny that cut more wool. This ram will produce progeny that, on average, cut 2.5% more wool than a ram with an ASBV of 0.

Worm egg count (WEC) ASBVs estimate an animal's genetic potential for resisting worm burdens. Lower WEC ASBVs are desirable. This ram will, on average, sire progeny that have 10% fewer eggs/gram than a ram with an ASBV of 0.

Trait	WWT (kg)	MWT (kg)	PWT (kg)	FAT (mm)	EMD (mm)	NLW (%)	CFW (%)	SC (cm)	WEC (%)	INDEX
ASBV	0.8	1.0	2.5	-0.4	0.4	4	5	0.6	-10	105.6
Acc	51	53	61	45	38	33	37	44	37	

Rams with more positive ASBVs for maternal weaning weight (MWT) will produce daughters which will wean heavier lambs. This ASBV reflects a combination of the daughter's ability to milk and provide a better maternal environment.

Rams with a more negative ASBV for fat will produce lambs that are leaner, at the same weight. This ram will produce lambs that are, on average, 0.2mm leaner at the GR site when compared to a ram with a FAT ASBV of 0.

Rams with a more positive number of lambs weaned (NLW) ASBV will sire daughters that wean a higher percentage of lambs. This ram with an ASBV of 4 will sire daughters which, on average, will wean 2% more lambs.

Rams with higher scrotal circumference (SC) ASBVs will sire daughters that are, on average, more fertile.

An index is a guide to the value of a ram for a particular market. Rams with higher indexes will produce lambs that are more suited to that particular breeding objective. In many cases the indexes used for maternal breeds are in \$ terms.

Maternal Carcase Production (MCP)

The MCP index is for a self-replacing maternal operation with a carcase production focus where there is no mating to terminal sires. Consequently, MCP favours high early growth animals with good carcase and reproductive performance.

Typical trait changes with the MCP index include:

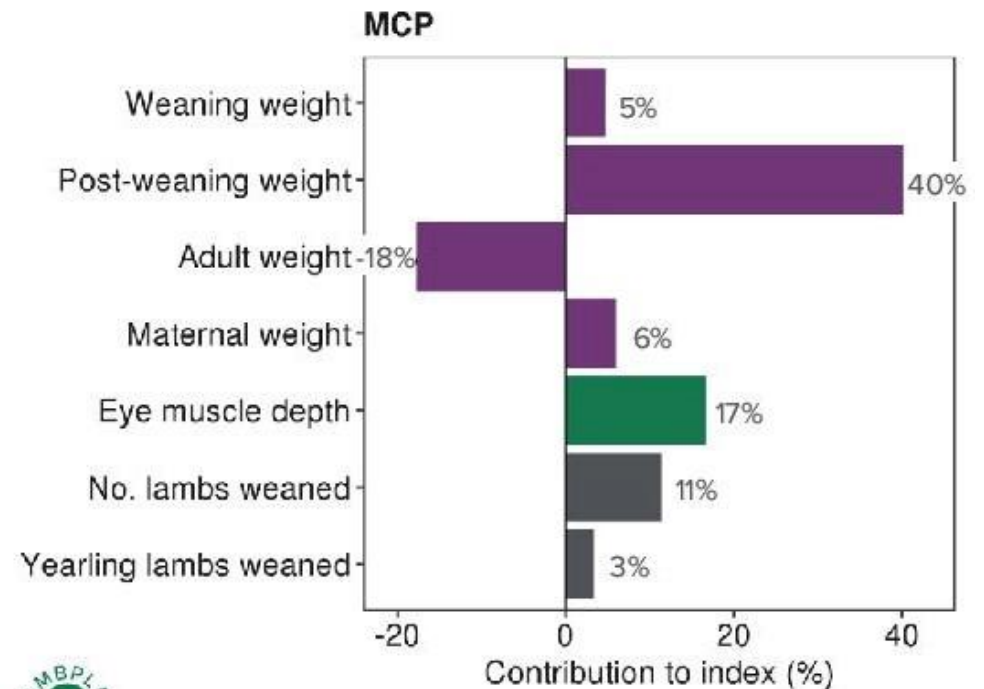
- increasing growth
- increasing adult weight
- increasing maternal weaning weight
- improving carcase traits
- increasing number of lambs weaned.

Figure 2 illustrates which traits are in the MCP 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 the impact on profitability.

A key feature of MCP is that it aims to maintain adult weight at current levels because bigger ewes have higher feed and animal handling costs. However it is difficult to achieve this in practice because bigger ewes also produce more lambs, which reach sale weight faster, so MCP makes a trade-off to achieve an optimal balance across all of these traits.

Consequently, figure 2 shows increasing adult weight making a negative contribution on the index. However, individual ram breeders who measure early growth, adult weight and reproduction will have greater control over the balance between these traits.

Figure 2: The traits in the MCP index and how they contribute to the overall balance of the index



What is the MLA Resource Flock?

The MLA Resource Flock began as the Sheep CRC's Information Nucleus Flock (INF) in 2007. Over five years, the INF gathered a database of biological and genetic traits by joining 5,000 ewes each year to 100 industry sires.

This has evolved into a reference flock for hard to measure traits such as intramuscular fat, meat quality, tenderness and fatty acid profile. Data is used for ongoing investigation of new traits. As the Resource Flock evolves there will be an increased focus on co-investment with industry groups and individual breeders, utilising data already collected.

Industry Outcomes

- Breeding values for eating quality and meat yield developed
- Development of eating quality indexes
- Development of a single step for meat eating quality ASBVs
- Development of single step analysis for other traits is ongoing
- Improvement in accuracy of genomic testing
- Bio-bank of DNA - assessing the value of full genomic sequence analysis
- High-density and sequence data will provide clues to genes affecting traits
- Development of technology to measure IMF content
- Data included in LAMBPLAN improving accuracies and providing linkage
- Valuable resource for other research projects



Sale Information.

Sale time

The sale is scheduled to start at 11am EST, February 26th, 2020. The sale is interfaced with Auctionsplus, so start time must be strictly adhered to. No stock will be loaded until after the completion of the sale.

Inspections are welcome from 9am on sale day or any other day prior, by appointment. We encourage buyers to inspect the rams prior to the sale. This gives us the opportunity to assist in selection of genetics to best fit your flock.

Sale Location: on property at Etiwanda. The “Etiwanda Turn Off” is a point on Google maps, so you can use that to find us. That pinpoint is our mailbox entrance, the sale entrance is 5km further South.



From Cobar - 92kms South on the Kidman Way (Hillston Rd), 5km past Sandy Creek Bridge turn right. Watch for our new sale sign and flags.

From Griffith/Hillston – follow Kidman Way North through Mount Hope, travel approx. 80kms. Turn left at our new sale sign and flags.

Accommodation in Cobar

Town & Country Motor Inn - 02 68 361244

Central Motor Inn - 02 68 302000

Gumnuts Café in the main street does great coffee and food.

Phone Bidding

Phone Bidding can be arranged prior to the sale by speaking to the selling agents Landmark Russell Cobar

Luke Scales 0447 769588 or the Landmark Cobar Office 02 68 362234

Auctionsplus bidding

Many people bid on Auctionsplus for the Etiwanda sale – this is a straightforward process – for any assistance with this bidding method please contact the selling agents on the above numbers.

The logo for Landmark Russell, featuring the word 'LANDMARK' in white capital letters above a curved orange line, and the word 'Russell' in white capital letters below the line, all on a green background.

LANDMARK
Russell

Health Status

All rams are tested Brucellosis free Accreditation No CW 01/17. Etiwanda is located within the Western Regional Biosecurity area.

Refreshments

Morning tea, lunch and hot and cold refreshments provided for your enjoyment.

Sale Service

Andrew & Megan are always available to discuss any aspect of your flock and can be contacted on andrew@etiwanda.com.au for advice and assistance. Andrew 0419 477983 or Megan 0429 477930.



Buy your rams from someone who breeds them like they ought to!

2020 Etiwanda Rangeland Ready Sale

Lot	Visual Id	Sire	No.Born	Maternal Grand Sire	WWT	PWWT	PFAT	PEMD	PSC	NLW	MCP	LEQ	Comments
1	182097		2		4.9	8.4	0.1	1.2	3.7		129.9	0.0	
2	182293	160068	1		4.7	8.4	1.4	3.1	5.9	3.2%	143.4	133.5	
3	182233		1		6.2	10.2	-0.1	1.6	5.4		138.2	133.7	
4	182323	160613	1	120093	5.8	9.7	0.5	3.0	3.9	-0.6%	144.3	142.9	
5	182120	160613	2	138470	7.8	12.6	-0.4	1.7	4.5	-0.8%	144.1	137.4	
6	171611	126957	1	138382	6.2	10.0	-0.1	0.6	4.6	1.1%	129.3	127.5	Used at Etiwanda in 2018
7	182310	160068	1	126957	5.6	9.2	0.4	0.9	6.0	3.4%	130.7	125.9	
8	182166	150440	2	90743	5.6	9.5	0.2	0.9	3.3	-3.9%	128.1	125.8	
9	182177	150440	2	110422	6.3	10.7	0.5	2.6	3.5	-6.4%	141.9	139.4	We have retained a semen share in this ram, semen is already collected. Ram is to be used in our fresh AI program in the first week of March. Ram has been entered into the resoucre flock.
10	182165	160224	2	E5195	7.2	11.4	-0.6	0.9	4.5	-3.3%	131.7	130.0	
11	182029	100044	1	126957	6.4	9.9	-0.5	0.9	4.9	-1.9%	129.8	131.0	
12	182089	150440	2	110422	7.4	11.7	0.4	2.0	4.6	1.3%	142.2	135.7	
13	182265	160518	1		5.1	8.9	1.0	3.0	4.3	7.5%	144.2	136.5	
14	182593		1		3.8	7.1	0.8	2.3	4.6		134.3	0.0	
15	182270		1		5.5	9.8	1.3	2.7	5.9		142.2	139.5	
16	182090	150440	2	110422	7.4	11.5	0.2	2.0	4.5	1.0%	142.2	138.8	
17	182030	160068	2	G6390	6.4	10.3	0.4	1.8	4.6	3.1%	136.1	132.5	
18	182498	160068	1	E5195	5.8	9.2	-0.2	0.5	5.1	-2.8%	123.6	125.1	
19	182043	160224	3	138382	7.3	11.6	-0.1	2.3	5.4	3.9%	148.7	136.2	
20	182339	160068	1		6.7	10.6	0.6	2.0	5.5	1.3%	143.1	134.1	
21	182162	150070	2	126957	4.7	8.0	0.1	1.4	4.5	-2.6%	126.8	130.0	
22	182271		1		4.2	7.2	-0.6	1.2	4.3		128.0	0.0	
23	182018	100044	2	110422	5.4	8.4	-0.1	1.5	4.5	1.4%	130.5	128.7	
24	182042		1		3.1	5.6	-0.1	1.0	4.0		121.6	0.0	
25	182126	160518	2	G6340	4.6	8.2	0.9	2.2	3.9	7.0%	139.5	128.4	
26	182349	160613	2		5.2	8.8	0.0	1.3	3.7	1.7%	131.7	127.7	
27	182425	150440	2	E5195	5.3	8.9	0.3	1.1	4.8	-1.1%	126.1	125.3	

2020 Etiwanda Rangeland Ready Sale

Lot	Visual Id	Sire	No.Born	Maternal Grand Sire	WWT	PWWT	PFAT	PEMD	PSC	NLW	MCP	LEQ	Comments
28	182149	160518	2	138382	6.5	10.1	-0.3	2.0	4.1	5.2%	142.5	133.0	
29	182521	150440	2	90309	7.4	11.7	-0.2	0.3	4.5	1.2%	130.1	128.1	
30	182258		1		4.1	6.8	-0.8	0.9	3.0		123.5	0.0	
31	182133	160224	2	14-MULTI	6.0	9.8	-0.2	1.7	3.6	-1.0%	136.5	130.2	
32	182156	160623	2	126957	6.8	10.7	0.1	1.9	3.3	-4.6%	135.7	131.1	
33	182161		2		3.6	6.7	0.4	2.1	4.0		131.6	0.0	
34	182048	150440	3	D5005	7.0	11.5	0.2	2.1	4.5	5.3%	143.9	134.0	
35	182481	100044	1	110422	6.4	10.2	0.5	2.3	5.2	-2.9%	135.8	135.0	
36	182041	160518	3	138382	6.7	10.6	0.7	2.2	4.3	5.9%	145.6	133.0	
37	182243	150440	2	15-MULTI	5.7	9.3	-0.3	-0.1	4.2		123.9	120.3	
38	182104	150440	2	126957	5.7	9.6	0.8	1.3	4.7	1.5%	130.2	130.3	
39	182086	160518	2	14-MULTI	6.3	10.5	0.4	1.8	3.0	1.1%	138.6	132.2	
40	182420	160068	2	140488	6.2	10.8	0.6	1.6	5.0	2.8%	140.3	134.4	
41	182571	160518	1		3.7	6.7	1.0	3.3	4.3	2.1%	139.0	131.4	
42	182153	150070	2	120093	5.2	8.2	-0.3	1.7	3.2	-4.9%	131.5	136.2	
43	182488	150440	2	120093	7.6	12.1	0.0	1.1	4.6	1.9%	138.6	131.5	
44	182403	100044	2	110422	5.4	8.8	1.2	3.0	3.5	-0.2%	140.8	135.4	
45	182053	160518	2	G6430	5.1	8.8	1.1	3.1	4.3	7.9%	147.1	133.1	
46	182011	100044	2	D5005	5.8	9.3	0.3	2.4	4.8	5.9%	143.1	133.0	
47	182532	150440	2		5.8	9.9	0.4	1.9	4.2		136.0	130.9	
48	182223	100044	2	138382	7.2	10.8	-0.4	0.6	5.2	2.0%	132.6	128.2	
49	182195	150440	2		6.9	11.3	-0.5	0.7	5.1	4.3%	134.5	133.0	
50	182330	160518	2	14-MULTI	5.9	9.6	0.4	1.8	4.2	6.1%	138.8	129.9	
51	182510	150440	2	90743	6.7	11.0	-0.2	0.6	4.2	-2.3%	130.6	130.2	
52	182263	160623	1		6.1	10.0	1.0	3.6	4.8	3.2%	149.1	138.2	
53	182533	150440	1	110422	6.0	9.5	-0.1	1.5	3.2	-2.8%	131.3	129.4	
54	182418	150070	1	120093	5.3	8.8	0.7	2.8	4.8	2.2%	143.2	140.6	
55	182290	150440	1		4.3	7.4	0.4	1.4	2.4	-4.9%	123.3	126.0	
56	182036		2		3.5	6.7	0.9	2.8	3.8		135.3	0.0	

Percentile Report

Analysis **Ter-Shedders** Dated 15/01/2020



Animals born in **2018** Count **11326**

Band	Bwt	Wwt	PWwt	Ywt	Pfat	Yfat	Pemd	Yemd	Ysc	Hsc	Pfec	Yfec	MWwt	NLW	LMY	IMF	Dress	ShrF5	LEQ		MCP		EQ		
	kg	kg	kg	kg	mm	mm	mm	mm	cm	cm	%	%	kg	%	%	%	%	N	TCP	Trade\$	SRC			Carcase+	
0	-0.84	11.6	17.3	18.2	3.3	3.5	4.4	4.0	4.6	2.9	-79	-69	4.3	16	4.5	0.4	4.2	-6.3	154.0	151.3	113.4	157.8	142.1	148.8	207.5
1	-0.62	9.3	14.5	14.6	1.3	1.4	3.1	2.8	4.3	2.9	-70	-57	3.6	12	3.1	0.0	3.8	-3.8	145.3	140.8	110.5	146.8	135.5	140.1	183.4
2	-0.59	8.8	13.7	13.8	1.1	1.2	2.9	2.6	4.1	2.9	-67	-54	3.3	11	2.9	-0.1	3.6	-3.2	143.8	138.9	110.1	145.2	133.9	138.1	181.0
3	-0.57	8.5	13.2	13.2	1.0	1.1	2.7	2.5	4.0	2.8	-65	-53	3.2	10	2.7	-0.1	3.6	-2.9	142.8	137.5	109.8	144.1	132.7	136.6	179.1
4	-0.56	8.2	12.7	12.8	0.9	1.0	2.6	2.4	4.0	2.8	-64	-51	3.1	10	2.6	-0.1	3.5	-2.6	142.0	136.3	109.6	143.3	131.9	135.6	177.7
5	-0.55	7.9	12.4	12.4	0.8	0.9	2.5	2.3	3.9	2.8	-62	-50	3.0	9	2.6	-0.2	3.4	-2.3	141.4	135.6	109.5	142.6	131.3	134.9	176.4
10	-0.51	7.3	11.4	11.2	0.6	0.7	2.3	2.0	3.7	2.6	-58	-45	2.8	8	2.2	-0.2	3.3	-1.6	139.2	132.9	108.9	140.0	129.4	132.1	172.5
15	-0.49	6.9	10.8	10.4	0.5	0.5	2.1	1.8	3.6	2.5	-51	-43	2.6	7	2.0	-0.3	3.2	-1.1	137.6	131.0	108.6	138.2	128.1	130.1	169.7
20	-0.47	6.6	10.3	9.7	0.4	0.4	2.0	1.7	3.5	2.5	-45	-40	2.4	6	1.9	-0.4	3.1	-0.8	136.3	129.5	108.4	136.8	127.1	128.7	167.4
25	-0.45	6.3	9.9	9.3	0.3	0.3	1.9	1.6	3.4	2.3	-41	-38	2.3	6	1.8	-0.4	3.0	-0.5	135.2	128.5	108.2	135.6	126.3	127.6	165.7
30	-0.43	6.1	9.7	8.9	0.2	0.2	1.7	1.5	3.3	2.2	-39	-37	2.1	5	1.7	-0.5	2.9	-0.3	134.2	127.4	108.0	134.4	125.5	126.6	164.1
35	-0.42	5.9	9.4	8.6	0.2	0.2	1.6	1.4	3.3	2.2	-37	-35	2.0	4	1.6	-0.5	2.9	-0.1	133.3	126.5	107.8	133.4	124.8	125.7	162.6
40	-0.40	5.7	9.2	8.3	0.1	0.1	1.6	1.3	3.2	2.1	-35	-33	1.9	4	1.5	-0.5	2.8	0.1	132.5	125.6	107.6	132.4	124.0	124.7	161.2
45	-0.38	5.6	9.0	8.0	0.1	0.0	1.5	1.2	3.1	2.1	-34	-32	1.8	3	1.4	-0.6	2.8	0.2	131.7	124.8	107.5	131.4	123.3	123.9	159.9
50	-0.37	5.4	8.7	7.8	0.0	0.0	1.4	1.1	3.1	2.1	-31	-30	1.7	3	1.3	-0.6	2.7	0.4	130.9	124.0	107.3	130.4	122.7	123.1	158.6
55	-0.35	5.2	8.5	7.5	0.0	-0.1	1.3	1.0	3.0	2.0	-30	-28	1.5	3	1.2	-0.7	2.6	0.6	130.1	123.3	107.1	129.4	122.0	122.3	157.3
60	-0.32	5.1	8.3	7.2	-0.1	-0.2	1.2	0.9	2.9	2.0	-28	-27	1.4	2	1.1	-0.7	2.6	0.7	129.2	122.5	107.0	128.4	121.4	121.6	156.0
65	-0.29	4.9	8.1	7.0	-0.2	-0.2	1.1	0.9	2.9	1.9	-26	-25	1.2	2	1.1	-0.7	2.5	0.9	128.4	121.9	106.8	127.4	120.8	120.8	154.7
70	-0.25	4.7	7.9	6.7	-0.2	-0.3	1.0	0.8	2.8	1.9	-24	-23	1.1	1	1.0	-0.8	2.4	1.0	127.3	121.3	106.6	126.3	120.2	120.1	153.4
75	-0.16	4.5	7.6	6.4	-0.3	-0.4	0.9	0.6	2.7	1.7	-22	-20	0.9	1	0.9	-0.8	2.2	1.2	126.2	120.5	106.4	124.9	119.6	119.2	152.0
80	0.06	4.3	7.4	6.2	-0.4	-0.5	0.8	0.5	2.6	1.7	-19	-18	0.8	0	0.8	-0.9	1.9	1.4	124.7	119.6	106.2	123.3	119.1	118.4	150.5
85	0.12	4.1	7.1	5.8	-0.5	-0.6	0.6	0.4	2.4	1.5	-16	-15	0.6	-1	0.6	-0.9	1.6	1.6	122.9	118.6	105.8	121.3	118.3	117.6	148.5
90	0.18	3.8	6.6	5.4	-0.6	-0.7	0.4	0.2	2.2	1.4	-11	-10	0.3	-3	0.5	-1.0	1.4	1.9	120.8	117.4	105.4	118.7	117.2	116.6	146.9
95	0.25	3.3	6.1	4.8	-0.9	-0.9	0.1	-0.1	1.8	1.0	-4	-5	0.0	-5	0.2	-1.1	1.1	2.3	118.8	115.5	104.6	115.8	115.8	114.7	143.3
96	0.27	3.2	5.9	4.7	-0.9	-1.0	0.1	-0.2	1.7	1.0	-2	-3	-0.1	-6	0.2	-1.1	1.1	2.4	118.0	114.9	104.3	115.5	115.3	114.3	142.0
97	0.30	3.0	5.7	4.4	-1.0	-1.1	0.0	-0.3	1.6	1.0	0	-1	-0.2	-7	0.1	-1.2	1.0	2.6	117.6	114.2	103.9	114.9	114.7	113.5	140.6
98	0.33	2.8	5.4	4.2	-1.1	-1.2	-0.2	-0.4	1.4	0.8	4	2	-0.3	-8	-0.1	-1.3	0.9	2.9	116.6	113.2	103.2	114.2	114.1	112.2	139.1
99	0.38	2.4	4.9	3.7	-1.3	-1.3	-0.4	-0.6	1.1	0.6	6	5	-0.6	-9	-0.3	-1.3	0.7	3.2	114.8	111.6	101.8	112.6	113.0	110.1	136.0
100	0.58	0.2	1.4	0.9	-2.7	-2.4	-2.1	-1.9	0.3	0.6	45	37	-1.8	-12	-2.1	-1.5	-0.1	5.2	105.7	104.8	76.9	104.5	106.2	103.8	111.9



Lot 5



Lot 29

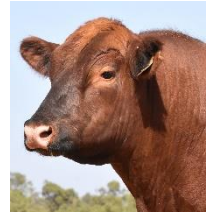


Lot 10



Lot 46

Rangeland Red-y Red Angus



2016 saw the start of our “Rangeland Red-y” Red Angus breeding program. At this point we are mainly breeding bulls for our own use, but we will have limited bulls for sale each year. We have 3 for sale this year.

We will be breeding and growing out our bulls following the same philosophies as we use for our rams. The Red Angus herd will be designed to be moderate framed, efficient, profitable animals that are able to thrive unassisted at Etiwanda. We will be building our female herd on cows that consistently wean a calf each year in our environment and by running the animals extensively we will apply sufficient pressure on the herd to force out the unadapted and infertile animals.

In January 2017 we AI'd 45 cows to semen from two Red Angus Sires we imported from Pharo Cattle Company in the USA. We selected PCC Colorado Hobo and PCC Herd Quitter.



N738 is a PCC Herd Quitter son



N722 is a PCC Colorado Hobo son

Buy your bulls from someone who breeds them like they ought to!

Notes



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