Rotherwood Farming

5th On-Farm APR Bull Helmsman Auction Sale Offering - 15 Angus Bulls

> On property at "Rotherwood" 342A Victoria Valley Rd, Ouse Inspections from Ham

(BBQ & refreshments available)

22nd September, 2016@1pm



All builts vaccinated for BVDV with 7-in-1 Plus MNI Certification and EU Accredited

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History of the "Rotherwood" herd:

The herd began in the late 1950's with 26 heifers bought from "Glenelg" Gretna. In 1963 we started weighing calves, calculating weight ratios, and culling cows whose calves under-performed- we were probably the first Angus herd in Tasmania to do performance recording. Over the next few years sires were purchased from Tasmania, Victoria and New Zealand with variable results. Some performed well, but others not as well as home –bred sires. Others had to be culled due to their foot problems along with their progeny.

In the early 1970's an Agricultural Officer suggested setting up a nucleus breeding scheme; with 6 breeders suppling their best heifers to the nucleus and receiving a set ratio of bulls in return. Rotherwood was chosen to host the nucleus herd. The aim was to have a regular supply of bulls of the type the members desired-which would improve their herds, at a reasonable cost. The bulls to be used in the nucleus, or supplied, were chosen at a meeting in June, when the new heifers arrived. This worked well for 33 years until it was wound up because of a drop in the number of herds, due to owner retirement, and property or herd sale, when the gene pool became too small. It had initially been 2000 cows.

The herd enrolled in Breedplan from the beginning, as an Angus Performance Register herd. At the time our 200 and 600day weight EBV's were about 20% above breed average until the influence of North American genetics occurred. Our aim is to keep birth weights low, while maximizing 600 day weights with improved muscling and keeping our reputation for docile cattle with good conformation. Surplus cows and heifers (EU accredited) have been sold at the Powranna autumn commercial cattle sale.

After many years selling bulls privately we decided to move to a helmsman auction system in 2012. We felt that it would provide the fairest method of selling bulls by auction. The sales have worked well for us and buyers were happy with the type of auction system that we used, as it gave prospective purchasers time to go back and look at the bulls during the auction, and change their preferred animal if so desired.

Relevant Terms:

AMFU, CAFU, NHFU, and DDFU-untested for the genetic disorders but believed to be free.

AMF, CAF, NHF, and DDF- tested for genetic disorders and are free.

AM%- the _% probability that the animal is an AM carrier.

NH%- the _% probability that the animal is a NH carrier.

CA%- the _% probability that the animal is a CA carrier.

DD%- the _% probability that the animal is a DD carrier.

Calving ease direct (CEM or CEdir) and Calving ease Daughters (CED or CEDtrs) -genetic estimate of ease of dam or daughter as 2yo heifers to calve without assistance

Birth weight (Bwt) - Estimates of the genetic differences between animals in calf birth weight.

200 day weight- Estimates of the genetic differences between animals in liveweight at 200 days of age.

400 day weight- Estimates of the genetic differences between animals in liveweight at 400 days of age.

600 day weight- Estimates of the genetic differences between animals in liveweight at 600 days of age.

Mature weight (Mwt) - Estimates of the genetic differences between animals in cow weight at 5 years of age.

Milk- Estimates of the genetic differences between animals in milk production, expressed as variation in 200-day weight of daughter's calves.

Scrotal size (SS) - Estimates of the genetic differences between animals in scrotal circumference at 400 days of age.

Days to calving (DOC)- Estimates of the genetic differences in female fertility, expressed as the number of days from the start of the joining period until subsequent calving.

Carcase weight(Cwt) - Estimates of the genetic differences between animals in carcase weight, adjusted to 650 days of age.

Australian Angus Selection Indexes

There are four standard selection indexes calculated for Australian Angus animals. These are:

- Angus Breeding Index (ABI)
- ② Domestic Index (DOM)
- Heavy Grain Index (GRN)
- ☑ Heavy Grass Index (GRS)

The Angus Breeding Index is a general purpose selection index that is suitable for use in the majority of commercial beef operations, whereas the Domestic, Heavy Grain and Heavy Grass selection indexes are specific to beef operations targeting a defined production system and market endpoint.

Angus Breeding Index - estimates the genetic differences between animals in net profitability per cow joined in a typical commercial self-replacing herd using Angus bulls. This selection index is not specific to a particular production system or market end-point, but identifies animals that will improve overall profitability in the majority of commercial grass and grain finishing beef production systems. This selection index is particularly suited to commercial producers who sell progeny into different markets, or to seedstock producers supplying bulls to commercial clients who produce for a range of different production systems and market end points.

Domestic Index - estimates the genetic differences between animals in net profitability per cow joined in a commercial self-replacing herd targeting the domestic supermarket trade. Steers are assumed to be finished using either grass, grass supplemented by grain or grain (eg. 50-70 days) with steers slaughtered at 490 kg live weight (270 kg carcase weight with 12 mm P8 fat depth) at 16 months of age. Daughters are retained for breeding and therefore maternal traits are of importance. Emphasis has been placed on eating quality and tenderness to favour animals that are suited to MSA requirements.

Heavy Grain Index - estimates the genetic differences between animals in net profitability per cow joined in a commercial self-replacing herd targeting pasture grown steers with a 200 day feedlot finishing period for the grain fed high quality, highly marbled markets. Steers are assumed to be slaughtered at 760 kg live weight (420 kg carcase weight with 30 mm P8 fat depth) at 24 months of age. Daughters are retained for breeding and therefore maternal traits are of importance. There is a significant premium for steers that exhibit superior marbling.

Heavy Grass Index - estimates the genetic differences between animals in net profitability per cow joined in a commercial self-replacing herd targeting pasture finished steers. Steers are assumed to be slaughtered at 620 kg live weight (340 kg carcase weight with 12 mm P8 fat depth) at 22 months of age. Daughters are retained for breeding and therefore maternal traits are of importance. Emphasis has been placed on eating quality and tenderness to favour animals that are suited to MSA requirements.

Accuracy (Acc)- Provides an indication of the reliability of an EBV. As more performance information becomes available on an animal (or its progeny, or relatives) then the accuracy of its EBVs for particular traits will increase.

RECESSIVE GENETIC CONDITION

INFORMATION FOR BULL BUYERS

This is information for **bull buyers** about the undesirable genetic conditions, Arthrogryposis Multiplex (AM), Neuropathic Hydrocephalus (NH), Contractural Arachnodactyly (CA) and Developmental Duplications (DD).

Putting Undesirable Genetic Recessive Conditions in Perspective

All breeds of cattle, in fact all mammals including humans, have undesirable genetic conditions. Fortunately, advances in molecular genetics have facilitated the development of DNA tests for their management. Angus Australia is at the forefront of development of strategies to manage undesirable genetic conditions and Angus members are leading the industry with their uptake of this technology.

What are AM, NH CA and DD?

Arthrogryposis means 'curved or hooked joints'. Multiplex indicates there are multiple abnormalities associated with the condition. Animals with the NH condition have a large head. Both AM and NH affected calves are not born alive. Whilst; calves affected by CA are born alive and can reproduce, muscle contractures restrict the movement of joints, particularly in the hind legs. Abnormal muscle contracture decreases dramatically as a calf ages, while muscle development always remains poor. DD causes duplication of limbs, etc.

How are the conditions inherited?

Research in the U.S. and Australia indicates that AM, NH CA and DD are simply inherited recessive conditions. This means that a single pair of genes controls the condition. For this mode of inheritance two copies of the undesirable gene need to be present before the condition is seen; in which case you may get an abnormal calf. A more common example of a trait with a simple recessive pattern of inheritance is black and red coat colour. Animals with only one copy of the undesirable gene (and one copy of the normal form of the gene) appear normal and are known as "carriers".

What happens when carriers are mated to other animals?

Carriers, will on average, pass the undesirable gene form to a random half (50 %) of their progeny.

When a carrier bull and carrier cow is mated, there should be a 25% chance that the progeny produced will have two normal genes. There should be a 50% chance that the mating will produce a carrier. However, there could be a 25% chance that the progeny have two copies of the undesirable gene.

Key point: The number of reported observations of AM, NH CA and DD calves is very low and there is certainly no need for panic.

Key point: With today's DNA tools undesirable genetic conditions can be managed!

If animals tested free of the undesirable gene are mated to carrier animals the condition will not be expressed at all. All calves will appear normal, but approximately half (50%) could be expected to be carriers.

How is the AM NH CA and DD status of animals reported?

A DNA-based test has been developed that can be used to determine whether an animal is a carrier or free of the AM, NH CA or DD gene.

Angus Australia uses sophisticated software to calculate the probability of (all untested) animals to be a carrier. The software uses the test results of any relatives in the calculations and the probabilities may change as new results for additional animals become available. The genetic status of animals is being reported using five categories:

AMF Tested AM free
AMFU Based on pedigree AM free – Animal has not been tested
AM_%_% probability the animal is an AM carrier
AMC Tested AM-Carrier
AMA AM-Affected

For NH CA or DD, simply replace AM in the above table with NH CA or DD. Registration certificates and the Angus Australia (AA) web-database display these codes. This information is displayed on the animal details page and can be accessed by conducting an "Animal Search" from the Angus website or looking up individual animals listed for sale in a sale catalogue.

Implications for Commercial Producers

Your decision on what genetic condition statuses are acceptable will depend on the genetics of your cow herd (which bulls you previously used), whether you have a straightbreeding or crossbreeding enterprise and whether some female progeny will be retained as breeders. Angus Australia seedstock breeders are being proactive and transparent in managing these genetic conditions, endeavouring to provide the best information available. The greatest risk to the commercial sector from undesirable genetic recessive conditions comes from unregistered bulls with unknown genetic background. The DNA testing that Angus Australia seedstock producers are investing in provides buyers of registered Angus bulls with unmatched quality assurance.

For further information contact Angus Australia's Breed Development and Innovation Manager at (02) 6773 4602.

Key point: For the condition to be expressed the undesirable gene needs to be present on both sides of the pedigree and both the sire and dam need to be a carrier.

Key point: The genetic status of an animal is subject to change and will be reanalysed And adjusted each week as DNA test results of relatives are received.

ANIMAL ID: TDGK35

TADGROUP K35

TADGROUP B28

TADGROUP Z5

DOB: 02/08/2014

SIRE: TADGROUP G118

DAM: TADGROUP C54

TADGROUP W124

TADGROUP N11

	BREEDPLAN												
			200	400	600	Mat				Eye			
		Birth	Day	Day	Day	Cow		Scrotal	Carcase	Muscle	Rib	Rump	
	Gestation	Wt	Wt	Wt	Wi	Wt	Milk	Size	Wt	Area	Fat	Fat	IMF
	Length	(kg)	(kg)	(kg)	(kg)	(kg)	(kg)	(cm)	(kg)	(cm2)	(mm)	(mm)	(%)
EBV	-0.7	+3.1	+29	+62	+84	+80	+9	+3.0	+45	<u>.</u>	+1.1	+1.3	-
Acc	34%	72%	66%	66%	68%	62%	48%	62%	54%	-	27%	25%	1

SELECTION INDEX VALUES						
Market Target	Index Value	Breed Average				
Angus Breeding Index	+\$79	+\$102				
Domestic	+\$86	+\$101				
Heavy Grain	+\$65	+\$103				
Heavy Grass	+\$86	+\$101				

PURCHASER: PRICE:	
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LOT 2

ANIMAL ID: TDGK37 DOB: 02/08/2014

TADGROUP K37

TADGROUP Y31 SIRE: TADGROUP G118 TADGROUP W124 LANDFALL XTRACTOR C312

DAM: TADGROUP G142 **TADGROUP A155**

					•	BREE	DPLAN						
			200	400	600	Mat				Eye			
		Birth	Day	Day	Day	Çow		Scrotal	Carcase	Muscle	Rib	Rump	
	Gestation	Wt	Wt	Wt	Wŧ	₩t	Milk	Size	Wt	Area	Fat	Fat	IMF
	Length	(kg)	(kg)	(kg)	(kg)	(kg)	(kg)	(cm)	(kg)	(cm2)	(mm)	(mm)	(%)
EBV	-0.9	+4.6	+34	+64	+91	+86	+8	+2.4	+48	-	0.0	0.0	
Acc	33%	71%	64%	65%	68%_	60%	41%	65%	52%	-	28%	27%	

SELECTION INDEX VALUES							
Market Target	Index Value	Breed Average					
Angus Breeding Index	+77	+\$102					
Domestic	+83	+\$101					
Heavy Grain	+67	+\$103					
Heavy Grass	+84	+\$101					

	PRICE:
PURCHASER:	PRICE:
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ANIMAL ID: TDGK101

DOB: 23/08/2014

TADGROUP K101

LANDFALL XTRACTOR C312

TADGROUP X54

SIRE: TADGROUP G30

DAM: TADGROUP B160

TADGROUP Y111

TADGROUP U39

						BRE	DPLAN						 .
	Gestation Length	Birth Wt (kg)	200 Day Wt (kg)	400 Day Wt (kg)	600 Day Wt (kg)	Mat Cow Wt (kg)	Milk (kg)	Scrotal Size (cm)	Carcase Wt (kg)	Eye Muscle Area (cm2)	Rib Fat	Rump Fat (mm)	IMF (%)
EBV	0.3	+4.1	+32	+70	+90	+81	+10	+1.9	+50	-	-0.1	+0.1	-
Acc	34%	73%	68%	68%	71%	64%	49%	66%	56%		29%	28%	

SELECTION INDEX VALUES						
Market Target	Index Value	Breed Average				
Angus Breeding Index	+82	+\$102				
Domestic	+92	+\$101				
Heavy Grain	+72	+\$103				
Heavy Grass	+89	+\$101				

PURCHASER:	PRICE:
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LOT 4

ANIMAL ID: TDGK67

DOB: 10/08/2014

TADGROUP K67

LANDFALL XTRACTOR C312

TADGROUP Y40

SIRE: TADGROUP G30

DAM: TADGROUP C128

TADGROUP Y111

TADGROUP T328

L		_				BREE	DPLAN			, -			
			200	400	600	Mat				Eye			
		Birth	Day	Day	Day	Cow		Scrotal	Carcase	Muscle	Rib	Rump	
İ	Gestation	Wt	Wt	Wt	₩t	Wt	Milk	Size	Wt	Area	Fat	Fat	IMF
	Length	(kg)	_(kg)	(kg)	(kg)	(kg)	(kg)	(cm)	(kg)	(cm2)	(mm)	(mm)	(%)
EBV	0	+4.4	+32	+71	+89	+84	+11	+1.8	+51		-0.3	0.0	- (7.97
Acc	37%	73%	67%	67%	69%	63%	46%	64%	54%	-	28%	27%	

SELECTION INDEX VALUES							
Market Target Index Bree Value Avera							
Angus Breeding Index	+81	+\$102					
Domestic	+92	+\$101					
Heavy Grain	+74	+\$103					
Heavy Grass	+87	+\$101					

PURCHASER:	PRICE:

ANIMAL ID: TDGK91 DOB: 18/08/2014

TADGROUP K91

LANDFALL XTRACTOR C312 TADGROUP W46

SIRE: TADGROUP F148 DAM: TADGROUP Z56

TADGROUP N11

TADGROUP T328

	BREEDPLAN												
		·	200	400	600	Mat				Eye			
		Birth	Day	Day	Day	Cow		Scrotal	Carcase	Muscle	Rib	Rump	
	Gestation	Wt	Wt	Wt	Wt	Wt	Milk	Size	Wt	Area	Fat	Fat	IMF
	Length	(kg)	(kg)	(kg)	(kg)	(kg)	(kg)	(cm)	(kg)	(cm2)	(mm)	(mm)	(%)
EBV	-0.7	+4.5	+30	+64	+80	+82	+9	+1.6	+46	_	0.0	+0.3	_
Acc	34%	72%	65%	65%	67%	62%	49%	60%	53%	-	28%	26%	-

SELECTION INDEX VALUES							
Market Target	Index Value	Breed Average					
Angus Breeding Index	+76	+\$102					
Domestic	+85	+\$101					
Heavy Grain	+68	+\$103					
Heavy Grass	+80	+\$101					

PURCHASER:	PRICE:
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LOT 6

ANIMAL ID: TDGK95 DOB: 20/08/2014

TADGROUP K95

LANDFALL XTRACTOR C312 TADGROUP Z5

SIRE: TADGROUP G30 DAM: TADGROUP C84

TADGROUP Y111

TADGROUP T118

	BREEDPLAN												
			200	400	600	Mat				Eye			
		Birth	Day	Day	Day	Cow		Scrotal	Carcase	Muscle	Rib	Rump	
	Gestation	Wt	Wt	Wt	Wt	Wt	Milk	Size	Wt	Area	Fat	Fat	IMF
	Length	(kg)	(kg)	(kg)	(kg)	(kg)	(kg)	(cm)	(kg)	(cm2)	(mm)	(mm)	_(%)_
EBV	-0.8	+4.0	+32	+66	+87	+92	+11	<u>+1.</u> 3	+50		+0.1	+0.2	
Acc	33%	73%	65%	65%	67%	62%	47%	60%	53%	-	28%	26%	

SELECTION INDEX VALUES							
Market Target	index Value	Breed Average					
Angus Breeding Index	+73	+\$102					
Domestic	+84	+\$101					
Heavy Grain	+62	+\$103					
Heavy Grass	+80	+\$101					

PURCHASER:	PRICE:

ANIMAL ID: TDGK16

DOB: 27/07/2014

TADGROUP K16

LANDFALL XTRACTOR C312

TADGROUP C4

SIRE: TADGROUP G59

DAM: TADGROUP F79

TADGROUP T45

TADGROUP T10

	BREEDPLAN												
			200	400	600	Mat				Eye			
		Birth	Dav	Day	Day	Cow	•	Scrotal	Carcase	Muscle	Rib	Rump	
	Gestation		Wt	Wť	Wť	Wt	Milk	Size	Wt	Area	Fat	Fat	IMF
	Length	(kg)	(kg)	(kg)	(kg)	(kg)	(kg)	(cm)	(kg)	(cm2)	(mm)	(mm)	(%)
EBV	-0.6	+4.5	+34	+67	+91	+95	+10	+2.0	+50	1	+0.1	+0.2	
Acc	32%	71%	64%	63%	65%	59%	45%	60%	51%	-	27%	26%	

SELECTION INDEX VALUES							
Market Target	Index Value	Breed Average					
Angus Breeding Index	+74	+\$102					
Domestic	+82	+\$101_					
Heavy Grain	+64	+\$103					
Heavy Grass	+81	+\$101					

PURCHASER:	<u> </u>	PRICE:
LOT 8	ANIMAL ID: TDGK66	DOB: 10/08/2014

TADGROUP K66

LANDFALL XTRACTOR C312

TADGROUP U65

SIRE: TADGROUP F148

DAM: TADGROUP Y106

TADGROUP N11

TADGROUP S120

	BREEDPLAN												
			200	400	600	Mat				Eye			
		Bìrth	Day	Day	Day	Cow		Scrotal	Carcase	Muscle	Rib	Rump	
	Gestation	Wt	Wt	Wt	Wt	Wt	Milk	Size	Wt	Area	Fat	Fat	IMF
	Length	(kg)	(kg)	(kg)	(kg)	(kg)	(kg) _	(cm)	(kg) _	(cm2)	(mm)	(mm)	(%)
EBV	-0.5	+3.8	+30	+58	+78	+74	+10	+1.7	+42	-	+0.5	+0.4	
Acc	35%	73%	67%	67%	69%	63%	53%	61%	55%		30%	28%	

SELECTION INDEX VALUES							
Market Target	Index Value	Breed Average					
Angus Breeding Index	+63	+\$102					
Domestic	+78	+ \$1 01					
Heavy Grain	+46	+\$103					
Heavy Grass	+73	+\$101					

PURCHASER:	PRICE:
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ANIMAL ID: TDGK87 DOB: 19/08/2014

TADGROUP K87

LANDFALL XTRACTOR C312

TADGROUP E74

SIRE: TADGROUP G15

DAM: TADGROUP H104

TADGROUP X105

TADGROUP B134

	. <u>-</u> .,					BREE	DPLAN						
			200	400	600	Mat				Eye	O:16	D	
		Birth	Day	Day	Day	Cow			Carcase	Muscle	Rib	Rump	
	Gestation	Wt	Wt	Wt	Wt	Wt	Milk	Size	Wt	Агеа	Fat	Fat	IMF
	Length	(kg)_	(kg)	(kg)	(kg)	(kg)	(kg)	(cm)_	(kg)	(cm2)	(mm)	(mm)	(%)
EBV	-0.3	+3.9	+36	+68	+90	+89	+11	+2.5	+51	-	+0.2	+0.1	
Acc	32%	70%	64%	65%	68%	60%	40%	63%	52%	-	27%	26%	-

SELECTION INDEX VALUES						
Market Target	Index Value	Breed Average				
Angus Breeding Index	+78	+\$102				
Domestic	+87	+\$101				
Heavy Grain	+67	+\$103				
Heavy Grass	+84	+\$101				

PURCHASER:	 PRICE:	

LOT 10

ANIMAL ID: TDGK128 DOB: 24/09/2014

TADGROUP K128

LANDFALL XTRACTOR C312

TADGROUP B28

SIRE: TADGROUP G30

DAM: TADGROUP E86

TADGROUP Y111

TADGROUP U111

	BREEDPLAN												
			200	400	600	Mat				Eye			
		Birth	Day	Day	Day	Cow		Scrotal	Carcase	Muscle	Rib	Rump	
	Gestation	Wt	Wt	Wt	Wt	Wt	Milk	Size	Wt	Area	Fat	Fat	IMF
	Length	(kg)	(kg)	(kg)	(kg)	(kg)	(kg)	(cm)	(kg)	(cm2)	(mm)	(mm)	(%)_
EBV	-1.4	+3.9	+35	+73	+100	+91	+13	+1.5	+53_	-	-0.4	-0.5	
Acc	34%	71%	65%	66%	69%	61%	45%	64%	54%	1	29%	28%	

SELECTION INDEX VALUES						
Market Target	Index Value	Breed Average				
Angus Breeding Index	+83	+\$102				
Domestic	+90	+\$101				
Heavy Grain	+74	+\$103				
Heavy Grass	+91	+\$101				

PURCHASER:	PRICE:

ANIMAL ID: TDGK20

DOB: 28/07/2014

TADGROUP K20

LANDFALL XTRACTOR C312

TADGROUP B28

SIRE: TADGROUP F148

DAM: TADGROUP E5

TADGROUP N11

TADGROUP R761

	BREEDPLAN												
			200	400	600	Mat	•			Eye]		
	ļ	Birth	Day	Day	Day	Cow		Scrotal	Carcase	Muscle	Rib	Rump	
	Gestation	Wt	Wt	Wt	Wi	Wŧ	Milk	Size	Wt	Агеа	Fat	Fat	IMF
	Length	(kg)	(kg)	(kg)	(kg)	(kg)	(kg)	(cm)	(kg)	(cm2)	(mm)	(mm)	(%)
EBV	-1.5	+3.8	+32	+64	+85	+82	+10	+1.5	+47	-	-0.1	-0.2	-
Acc	36%	72%	67%	67%	70%	62%	48%	66%	55%		30%	29%	_

SELECTION INDEX VALUES							
Market Target	Index Value	Breed Average					
Angus Breeding Index	+78	+\$102					
Domestic	+87	+\$101					
Heavy Grain	+69	+\$103					
Heavy Grass	+83	+\$101					

PURCHASER:	PRICE:
PURCHASER:	PRICE;

LOT 12

ANIMAL ID: TDGK41

DOB: 03/08/2014

TADGROUP K41

LANDFALL XTRACTOR C312

TADGROUP D17

SIRE: TADGROUP G59

DAM: TADGROUP G122

TADGROUP T45

TADGROUP Y26

	BREEDPLAN												
			200	400	600	Mat				Eye			
		Birth	Day	Day	Day	Cow		Scrotal	Carcase	Muscle	Rib	Rump	
	Gestation	Wt	Wt	Wt	Wt	Wt	Milk	Size	Wt	Area	Fat	Fat	IMF
	Length	(kg)	(kg)	(kg)	(kg)	(kg)	(kg)	(cm)	(kg)	(cm2)	(mm)	(mm)	(%)
EBV	-1.2	+3.1	+33	+70	+91	+91	+11	+1.3	+51	-	-0.2	0.0	-
Acc	35%	71%	64%	65%	69%	61%	43%	65%	53%	-	29%	28%	-

SELECTION INDEX VALUES							
Market Target	Index Value	Breed Average					
Angus Breeding Index	+86	+\$102					
Domestic	+93	+\$101					
Heavy Grain	+80	+\$103					
Heavy Grass	+90	+\$101					

PURCHASER:		PRICE:
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LOT 13 ANIMAL ID: TDGK111 DOB: 27/08/2014

TADGROUP K111

TADGROUP B28 SIRE: TADGROUP G118

DAM: TADGROUP D98

TADGROUP G118

TADGROUP W124

TADGROUP U88

TADGROUP A19

						BREE	DPLAN						
	J		200	400	600	Mat				Eye			
	li	Birth	Day	Day	Day	Cow		Scrotal	Carcase	Muscle	Rib	Rump	
	Gestation	Wt	Wt	Wt	Wt	Wt	Milk	Size	Wt	Area	Fat	Fat	IME
	Length	(kg)	(kg)	(kg)	(kg)	(kg)	(kg)	(cm)	(kg)	(cm2)	(mm)	(mm)	(%)
EBV	-0.2	+4.1	+31	+63	+83	+79	+10	+2.3	+45	-	+0.9	•	-
Acc	31%	72%	65%	64%	66%	61%	45%	60%	52%	-	25%	-	-

SELECTION IND	EX VALU	ES
Market Target	Index Value	Breed Average
Angus Breeding Index	+68	+\$102
Domestic	+80	+\$101
Heavy Grain	+51	+\$103
Heavy Grass	+78	+\$101

PURCHASER:	PRICE:

LOT 14 ANIMAL ID: TDGK113 DOB: 28/08/2014

TADGROUP K113

LANDFALL XTRACTOR C312

TADGROUP A44

SIRE: TADGROUP F148

DAM: TADGROUP D111

TADGROUP N11

TADGROUP T45

						BREE	DPLAN						
			200	400	600	Mat				Eye			
		Birth	Day	Day	Day	Cow		Scrotal	Carcase	Muscle	Ríb	Rump	
	Gestation	Wt	Wt	Wt	Wt	Wt	Milk	Size	Wt	Area	Fat	Fat	IMF
[]	Length	(kg)	(kg)	(kg)	(k g)	(kg)	(kg)	(cm)	(kg)	(cm2)	(mm)	(mm)	(%)_
EBV	-1.4	+2.5	+30	+62	+79	+73	+13	+1.7	+45	-	+0.4	+0.2	
Acc	34%	72%	66%	66%	68%	63%	48%	60%	54%	-	29%	28%	•

SELECTION INC	EX VALU	ES
Market Target	Index Value	Breed Average
Angus Breeding Index	+77	+\$102
Domestic	+89	+\$101
Heavy Grain	+65	+\$103
Heavy Grass	+84	+\$101

PURCHASER:	PRICE:
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ANIMAL ID: TDGJ104 DOB: 21/08/2013

TADGROUP J104

TADGROUP B28 SIRE: TADGROUP E99 TADGROUP U111 LANDFALL XTRACTOR C312

DAM: TADGROUP F95 TADGROUP U19

						BRE	DPLAN						
			2 0 0	400	600	Mat				Eye			
		Birth	Day	Day	Day	Cow		Scrotal	Carcase	Muscle	Rib	Rump	
	Gestation	Wt	Wt	Wt	Wŧ	Wt	Milk	Size	Wt	Area	Fat	Fat	IMF
	Length	(kg)	(kg)	(kg)	(kg)	(kg)	(kg)	(cm)	(kg)	(cm2)_	(mm)	(mm)	(%)_
EBV	-2.1	+2.6	+34	+67	+94	+86	+11	+2.3	+50	1	+0.1	-0.2	
Acc	36%	72%	66%	67%	70%	62%	48%	68%	55%	-	30%	29%	•

SELECTION INC	EX VALU	ES
Market Target	Index Value	Breed Average
Angus Breeding Index	+86	+\$102
Domestic	+90	+\$101
Heavy Grain	+76	+\$103
Heavy Grass	+92	+\$101

PURCHASER:	PRICE:

		В	REEL	PLA	N AVE	RAGES	FOR 2	2014 B	ORN C	ALVES			_
	_		200	400	600	Mat				Eye			
		Birth	Day	Day	Day	Cow		Scrotal	Carcase	Muscle	Ríb	Rump	
	Gestation	Wt	Wt	Wt	Wt	Wt	Milk	Size	Wt	Area	Fat	Fat	IMF
1	Length	(kg)	(kg)	(kg)	(kg)	(kg)	(kg)	(cm)	(kg)	(cm2)	(mm)	(mm)	(%)
EBV	-3.5	+4.3	+41	+75	+98	+86	+14	+1.6	-3.6	+4.4	+0.0	+0.0	+1.5

NOTES

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BUYERS INSTRUCTION SLIP

ROTHERWOOD

22ND SEPTEMBER, 2016

INADING	IAME:	le l								
CONTACT:_										
PHONE NO										
ADDRESS:_		-			<u></u>					
POSTCODE:										
AGENT:										
Lots Purc	HASED:									
Lot No	PRICE	Lot No	PRICE	Lot No	PRICE					
DELIVERY II	NSTRUCTIO	NS:								
ΓRANSFER:	YES/N	o								
NSURANCE	E: YES/N	О								
	REFER T	O 'RURALO	CO INSUR	ANCE LEAD	FLET'					
	-	JRE:			22/9/2016					