

Cashmore Oaklea

AUSTRALIA'S most transparent ram sale catalogue
We supply more information than anyone

SELF REPLACING MATERNALS TOP 5% SALE

450 RAMS

**SALE RAMS
AVERAGE
3% BAND**

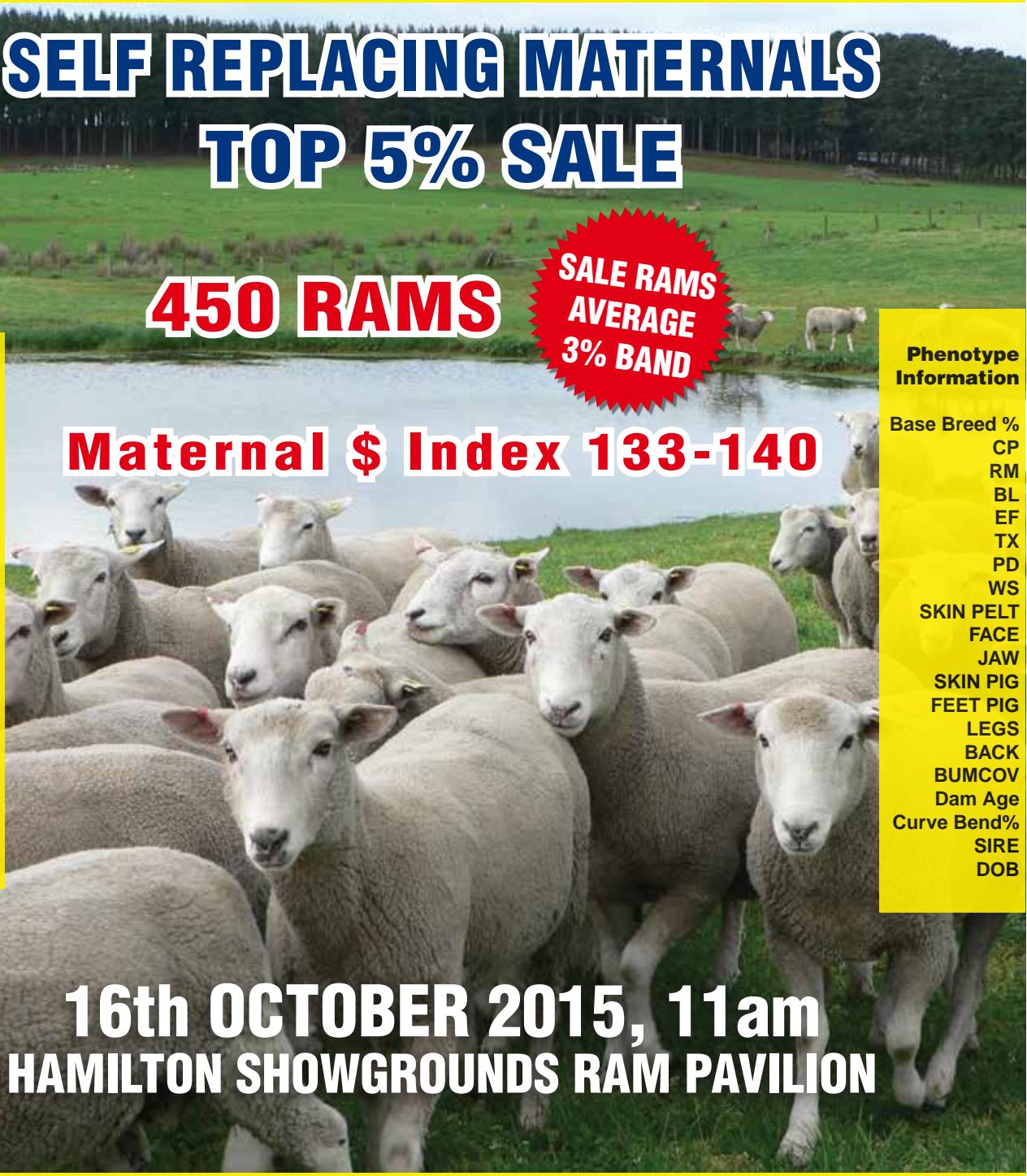
Maternal \$ Index 133-140

ASBVs

ID
% band
Mat \$ Index
NLW
YNLW
MWWT
BWT
WWT
PWT
YWT
AWT
PFAT
PEMD
YGFW
PWEC
LDAG
PSC
LE DIR
LE DAU

Phenotype Information

Base Breed %
CP
RM
BL
EF
TX
PD
WS
SKIN PELT
FACE
JAW
SKIN PIG
FEET PIG
LEGS
BACK
BUMCOV
Dam Age
Curve Bend%
SIRE
DOB



**16th OCTOBER 2015, 11am
HAMILTON SHOWGROUNDS RAM PAVILION**

\$9 per ewe mated above industry average



John Keiller 0409 804 638

Don Pegler 0417 851 466

Email: cashmorepark@bordernet.com.au



Tom Dennis 0427 975 207
Aaron Malseed 0407 782 286

Tim Jewell 0429 390 033
Darron Dawson 0407 415 358



3% Rebate to outside agents

Welcome to the 2015 Cashmore Oaklea Ram Sale.

VENDORS:

Cashmore Park

John and Brigitte Keiller, 114 Wilmots Rd, Cashmore, VIC, 3305

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cashmorepark@bordernet.com.au

www.coopworth.org.au/cashmorepark/

Have a look at our new website * www.cashmoreoaklea.com.au**

Oaklea

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www.oaklea.com.au

HEALTH: FREE ENTRY TO ALL STATES INCLUDING SA

Cashmore Oaklea commenced Gudair Vaccinations in 2003 to all sheep and rams are second generation approved vaccines. Prior to the recent National OJD system changes our stock had the following rating

OAKLEA	APPROVED OJD VACCINATES	7	POINTS
CASHMORE PARK	APPROVED OJD VACCINATES	5	POINTS

SA now requires sheep entering that state to be from tested flocks. Cashmore Park has conducted a pooled Fecal 350 test, tested negative and has full access to all states. The Oaklea rams are free to enter Victoria, via the ram shed and then return to SA.

Sheep health statements will be available on the day of the sale and are also included in the catalogue.

Ovine Brucellosis Free Accredited Flock # 3353

Rams have full 5 in 1 Vaccination histories.

AUCTIONS PLUS will be operating on the first 100 lots.

CATELOGUE ASSISTANCE: This catalogue is also listed on our website and the Lambplan web page where you can view pedigrees and accuracies. It can also be emailed in excel format.

RAM SELECTION ASSISTANCE: For ram selection assistance please contact Don or John who will be happy to help.

RUN DATE: EBV's have been generated from the 15/09/2015 Terminal and 1/09/2015 Maternal Across Breed data sets.

SALE RAMS: This year we are offering 427 Performance Maternal and 20 Coopworth rams all in the top 5 percentile on Maternal \$ index and averaging the top 2 percentile band.

Our artificial insemination, embryo transfer and expanding seedstock flock is allowing growth in supply, performance and type. By using the computer mating tool, Total Genetic Resource Management we can provide rams with a diverse background

and low inbreeding coefficients which cover a large range of traits suitable for most market specifications. Be aware that targeting individual EBV's specific to your production system may be a better strategy than index selection alone.

You will notice that there are two pages of information for the maternal rams. The first has the ASBV's that make up the Maternal \$ index including extra ASBVs that are not in the index. The second has **phenotype information** that is requested from buyers on a regular basis.

YNLW, Yearling Number Of Lambs Weaned

After considering feedback from clients we have expanded the ASBVs provided to include YNLW which describes a ewe lambs reproductive potential. This trait is correlated with adult NLW however is not the same as can be seen by the variation between the two traits. We have been joining all ewe lambs, which is many thousands regardless of age and weight for a number of years giving us high accuracies on this trait. Our suggestion is if you wish to increase the number of ewe lambs that conceive and rear more lambs each year actively select for it. Please talk to Don about the variation we see from different sire lines.

LDAg, Late Dag Score

For many years we have collected Dag scores, and we mean tens of thousands of records. Combined with the Sheep CRC records, Lambplan now provides routine across flock ASBVs for Late Dag. We look forward to providing stock with less husbandry in the future. There is a large range from -.6 to + 1 this year.

SKINS

Self replacing maternals are sometimes criticised for having skins that may not attract a premium pelt value. To create some objectivity all rams have been graded for skin type. Please see the following explanations.

Score 1	short, dense downy type
Score 2	fine but longer staple
Score 3	medium X type , about what we would like to see on our ewes
Score 4	longer, open, medium strong wool
Score 5	open strong ropey types.

However there are few free lunches in sheep and an analysis of all the skin scored animals at Cashmore Oaklea produces the YGFW (yearling greasy fleece weight) to skin score table below.

Skin Score	YGFW %, yearling greasy fleece wt ASBV
1	-5
2	3
3	6
4	12

YGFW is expressed as a % deviation from the mean of all fleece data stored by LAMBPLAN. If we assume a Maternal ewe has a 4 kg fleece the difference between a score 1 and 4 animal is 17% of wool cut. This 680 grams of wool is valued at \$3 kg is worth \$2.04 in lost wool cut per ewe. Please be aware that in the chase for lamb skins we are reducing the bales of wool in the shed.

VISUAL SCORES

MLA and AWI have produced an excellent booklet titled “Visual Sheep Scores” which has a system for classifying the sheep phenotype, ie what it looks like. All rams have been scored and at this stage raw data is supplied. We envisage that with more data to hand we can provide this information in ASBV form which is much more powerful. To save time in the ram shed please obtain the sale catalogue in excel format and as an example, if you require dark noses , sort on SPIG, skin pigment and then just look at these in the shed. This initiative has come from you the customer so please forward feedback. Already we have found it an excellent piece of data to assist in sorting and lotting. It should be just as useful at home studying the catalogue to save time and increase purchase value on sale day.

CURVE BEND %

This new information comes in the form of a simple ratio and we stress that it is not an ASBV. Don and I sometimes field comments that sheep are getting too large and heavy, however we have found very few clients are actually using the adult weight ASBV to make their sheep smaller! There is a current attempt by breeders to bend the growth curve downward which simply means a sheep grows fast to a required weight/stage of life then growth slows so it does not become large with high maintenance requirements in later life. It is somewhat hard looking at the difference between Post weaning weight and Adult weight and judging the growth curve of an animal. To assist this the ratio allows us to see that a 50 % percentile PWWT animal is 9.2 and at Adult 10.9. The animal adds 18 % to its PWWT weight EBV to get to its Adult weight. Animals below this number exhibit a slowing growth curve after post weaning stage. Our better animals have high early growth and a moderate ewe weight.

LAMBING EASE DIRECT AND DAUGHTERS

Lambing ease direct and lamb ease daughters ASBVs are also offered. Please read the explanations in the back of the catalogue. We continue to make gains in this area with our ewes being very easy lambing.

PERFORMANCE RECORDING COMPOSITES: WHY DO WE USE THEM?

Cashmore and Oaklea Composites are based on sound genetic and economic principles. First and foremost they are performance recorded which is our guarantee that the genes we supply to you will improve each year. In the past 5 years, this has averaged 2.6 index points per year. Our second goal is to make the animals as composite as possible, resulting in hybrid vigour ,or heterosis. Heterosis results in a level of performance above the average of the base parents. It comes at no cost, and has a larger effect on fitness or female related traits, such as number of lambs weaned and milk yield. In these traits the increase can be as high as 12 % while in growth and carcass traits it may be 8 %. At these levels it adds substantially to the performance of the animal and farm profits. The reason we run composites is to quickly access and multiply up new genes that may be required if market specifications change. A good example of this is value based lamb payment systems requiring better-muscled carcasses. If you are a pure breeder you need to search within your breed to find better-muscled animals. As composite breeders Cashmore Oaklea simply acquires these genes from elsewhere and multiplies them through our flocks. This open approach allows us, as the seedstock breeder, to find genes and deliver them to you, our clients, much faster.

MATERNAL COMPOSITES

We continue to source genes other maternal breeders and from the best families from the following breeds, Coopworth, East Friesian, Finn, Border Leicester, South African Meat Merino, Texel, Poll Dorset, White Suffolk, Merino, Corridale, NZ Romney and Perendale. All have been identified from Lambplan ASBV's and the Maternal Central Progeny Test (MCPT). These genes have been used by AI and ET after using the Total Genetic Resource Management Program (TGRM) to allocate matings. This has resulted in more accurate ASBV's and faster use of the best new genes in the program. We continue to expand our program with 4300 maternal lambs tagged at birth in 2015.

EARLY LAMBING FLOCKS ie (May)

This is a requirement where the seasonal pattern of pasture growth is earlier and growing season shorter than that experienced in higher rainfall southern areas. Early lambing may require a percentage of "pink nose" in the mix as these breeds show a wider breeding season. You may also select rams from either flock that have an early date of birth, DOB.

NUDIES

In 2003 we commenced breeding self replacing easy care sheep with wool shedding ability, high parasite resistance and tough feet. Our aim is to have sheep with similar characteristics to our Maternals with the benefits of no wool. This program is 8 years down a 10 year development program with increasing quality coming through in all areas of the flock. Grading sheep up from our maternal flock to increase genetic diversity and add greater performance has increased ewe numbers to 1000. Only the best rams are offered each year with attention to type and structure slowing performance a little but ensuring a robust animal comes out of the program. Run with all the other seedstock they have to perform in our southern climate which they do well.

HOW TO USE THIS CATALOGUE

Ear tag number

Oaklea Maternal 1 to 1559

Cashmore Maternal 1605 to 4374, 5829 to 6518

Cashmore Nudie 5000 to 5800

FLK O = Oaklea, CP = Cashmore Park

ID Rams are identified with 16 digit Lambplan codes that will allow you to obtain updates on EBV's at any stage in the animal's life. Add 1500992014 to rams ID's for the Lambplan number. Search the Lambplan website and enter their tag number
<http://www.sheepgenetics.org.au/lambplan/>

INDEX Calculated from some ASBV's and market returns for meat, wool and extra lambs it gives an estimated value of the animals performance.
For Maternals each Maternal \$ index point returns \$1 per ewe mated.
For each Self Replacing Carcass point returns \$1 per ewe mated.

PERCENTILE BAND %

50% value is where there are equal numbers of animals above and below this point

EBV's	These are the actual genetic differences between animals and are expressed in the units for that trait. The base year is 1990 when the 50% decile was 0.0 for all EBV's
NLW	Number of lambs weaned. A ram with NLW 12% is 12 % better for weaning extra lambs than the base year of 0.
YNLW	Number of lambs weaned % for a one year old ewe.
MWWT	Maternal weaning weight (KG) (milk), The ability of the ewe to feed and care for the lamb above its own growth genes.
BWT	Birth weight(KG) . Use negative or low figures for maiden ewes.
WWT	Weaning weight at 100 days.(KG) Fast early growth. Keep this high for sucker lambs sold directly off ewes.
PWWT	Post weaning weight at 225 days. (KG) A ram with 5 kg PWWT will be 5 kg heavier at eight months of age.
YWT	Yearling weight at 365 days. (KG) Used for heavy export lambs grown over a longer period of time.
AWT	Adult weight at 2 years. (KG) To reduce mature weight in ewes look for a lower figure here.
PFAT	Post weaning fat depth at 225 days (MM) Check lamb kill sheets to decide if you need to alter fat levels.
PEMD	Post weaning eye muscle depth at 225 days (MM)
YGFW	Yearling greasy fleece weight. Expressed as a %. Increase this for more wool weight.
PFEC	Post weaning faecal worm egg count, expressed as a %. The more negative the more tolerant/resistant to worms.
LDAg	Late Dag Score with lower better. A ram with a minus one is one dag score less than breed average in year 2000.
PSC	Post weaning scrotal circumference. (CM) Rams with large testes have daughters with earlier puberty that also have more lambs.
LE-DIR	Lambing ease direct, expressed as a %. This is the rams genetic ability to produce easily born lambs with a positive number desirable.

LE-DAU Lambing ease daughters, expressed as a %. This is a rams ability to produce daughters that lamb easily with a positive number desirable.

PHENOTYPE INFORMATION

Breed Content %

Coopworth
Romney
Border Leicester
East Friesian
Texel
Poll Dorset
White Suffolk

PELT/SKIN	Score 1	short staple, dense and fine
	Score 2	some length, open and fine
	Score 3	medium X bred
	Score 4	longer staple, open type
	Score 5	long open, strong wool

FACE	Score 1	no wool on head or cheek
	Score 3	open face

SPIG	Skin Pigment	Score 1 = pink, Score 5 = black
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FEET PIG		Score 1 = pink, Score 5 = black
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LEGS/FEET	Score 1	straight and square
	Score 3	some significant angulation

BACK/SHOULDER	Score 1	straight top line , well set in shoulders
	Score 3	high or low shoulders, hump / sag top line

BUM COVER	Score 1	bare
	Score 3	medium

DAM AGE	Age in years
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CURVE BEND	% Change between Post weaning weight and Adult weight.
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SHEDDING SCORE	Score 1	clean shedding
	Score 3	saddle on back

We wish you all the best with your purchases. The Cashmore Oaklea Team.

LOT	♀	ID	DOB	Band	%\$Mat	MILK				PWWT				YGFW				LDAG				
						Index	NLW	MNW	YNLW	BWT	WWT	YWT	AWT	PFAT	PEMD	PFEC	PSC	DIR	DAU	LOT		
1	0	140328	12/07/2014	1	138.6	13%	1.7	0.7	9.2	14.1	15.4	16.5	-1.2	0.1	1	-29	-0.2	5.2	-1	-2	1	
2	0	140574	20/07/2014	1	138.5	20%	9%	-0.8	0.5	7.2	12.3	15.7	17.0	-0.8	0.8	7	-53	0.2	3.9	0	1	2
3	0	140313	12/07/2014	1	138.2	20%	23%	1.0	0.6	6.8	11.4	14.2	16.3	-0.7	-0.1	6	-37	-0.3	4.1	0	1	3
4	0	140347	13/07/2014	1	139.2	14%	19%	1.3	0.6	8.4	12.8	15.7	16.8	-1.6	0.9	8	-46	0.1	2.2	-1	-1	4
5	CP	141924	12/09/2014	1	139.4	20%	27%	0.3	0.4	5.8	10.5	12.9	12.7	-0.1	1.4	2	-70	0.0	3.6	0	0	5
6	CP	142079	9/08/2014	1	138.9	16%	18%	1.4	0.5	6.7	11.0	12.5	11.8	-1.2	0.9	6	-75	-0.1	3.5	-3	-1	6
7	CP	142402	7/08/2014	1	139.5	17%	21%	1.8	0.4	5.8	10.1	12.4	12.5	-0.4	1.4	4	-78	0.1	3.9	0	0	7
8	CP	142403	7/08/2014	1	138.1	16%	20%	1.8	0.4	5.9	10.1	13.0	13.2	-0.8	1.0	-2	-84	0.1	3.4	0	0	8
9	0	140771	26/07/2014	1	139.5	16%	16%	-0.3	0.7	8.6	14.3	16.6	19.5	-1.8	0.1	12	-59	0.0	3.8	-1	0	9
10	0	140804	29/07/2014	1	139.2	15%	21%	1.1	0.5	8.0	13.5	15.0	14.5	-0.6	1.3	-7	-9	-0.1	3.7	-2	-2	10
11	0	140248	9/07/2014	1	139.3	16%	23%	1.0	0.4	6.5	11.2	13.5	13.1	-0.1	1.8	0	-62	0.1	2.7	0	-1	11
12	0	140363	13/07/2014	1	138.5	15%	25%	1.6	0.6	7.6	12.8	13.8	15.1	-1.2	0.3	-6	-40	-0.3	4.2	0	-1	12
13	CP	141762	7/09/2014	1	139.7	17%	22%	0.9	0.4	7.4	12.9	15.9	17.4	0.4	1.2	-3	-5	0.4	4.9	1	0	13
14	CP	146092	23/09/2014	1	139.7	16%	21%	1.4	0.6	8.5	13.4	15.8	17.2	-1.6	-0.3	12	-57	-0.1	3.4	0	0	14
15	CP	141826	10/09/2014	1	138.6	15%	17%	1.2	0.8	8.9	13.8	15.5	16.3	-1.6	-0.3	8	-50	-0.3	3.8	-2	-1	15
16	CP	141835	10/09/2014	1	139.9	16%	17%	1.0	0.6	8.0	13.1	14.7	14.9	-0.3	0.6	12	-48	-0.2	4.3	0	-1	16
17	0	140354	13/07/2014	1	139.5	19%	14%	1.3	0.3	6.0	11.0	12.7	13.0	0.0	1.1	11	-36	0.1	4.0	0	-1	17
18	0	140175	7/07/2014	1	138.4	18%	24%	1.6	0.5	7.2	11.8	12.8	13.4	-0.5	0.5	4	-13	-0.2	4.3	0	-1	18
19	0	140367	13/07/2014	1	138.3	16%	19%	0.6	0.3	7.0	12.0	12.3	13.3	-0.2	1.1	11	-44	0.0	4.6	0	0	19
20	O	140445	16/07/2014	1	138.4	15%	17%	1.1	0.4	7.0	12.3	15.2	15.7	-0.3	1.3	5	-17	-0.1	5.3	1	1	20
21	CP	141710	5/09/2014	1	138.5	17%	17%	-0.1	0.4	5.7	11.0	14.2	14.0	-0.2	1.6	5	-86	0.7	3.3	0	1	21
22	CP	142197	7/08/2014	1	139.6	16%	21%	0.7	0.4	6.7	11.9	11.8	11.3	-0.4	1.5	6	-58	-0.1	5.5	-2	-1	22
23	CP	141897	18/09/2014	1	138.4	15%	21%	1.3	0.5	6.8	11.5	11.3	12.1	-0.7	1.4	-7	-48	0.0	3.7	1	1	23
24	CP	141898	18/09/2014	1	138.2	16%	21%	1.3	0.6	7.1	12.2	12.9	14.0	-1.2	0.7	-7	-45	0.3	3.6	1	1	24
25	O	140485	18/07/2014	1	138.4	14%	21%	0.9	0.6	7.8	12.8	15.0	15.8	-1.4	0.9	-6	-59	0.2	4.3	-1	-1	25
26	O	140670	23/07/2014	1	138.8	16%	26%	1.4	0.6	7.7	12.2	12.9	13.9	-1.2	0.2	3	-56	-0.1	4.0	0	-1	26
Today's ram average					3	136.3	15%	17%	0.7	0.5	7.1	11.8	13.5	14.2	-0.7	0.7	4	-40	0.0	4	0	
Maternal percentile average					50	120	5%	7%	*	0.5	6.3	9.2	10.5	10.9	-0.5	0.3	16	-19	*	2.7	*	
top 5% yellow, top 10% grey, top 25% bold type																						

ADDITIONAL INFORMATION AS RAW DATA

BREED CONTENT

BREED CONTENT												ADDITIONAL INFORMATION AS RAW DATA														
PHENOTYPE						PELTER						FACE						NOSE FEET			BREECH			DAM	CURVE	
LOT	Purchaser	Price	CP	EF	BL	RM	PD	TX	WS	SKIN	COV	JAW	PIG	PIG	LEGS	BACK	COV	AGE	BEND	SIRE	LOT					
1		62	1	25	4	8	2	3	1	4	4	1	2	3	2	17%	112187	1								
2		81	3	1	10	1	3	2	2	1	4	3	1	1	3	2	38%	112928	2							
3		61	1	25	3	10	3	4	1	3	3	1	1	4	3	43%	112187	3								
4		51	1	18	30	2	3	1	4	3	1	2	4	4	2	2	31%	122413	4							
5		62	1	20	17	2	3	1	3	3	2	1	3	2	3	4	21%	122402	5							
6		60	4	2	18	2	14	2	2	1	3	3	2	2	3	4	7%	122222	6							
7		44	13	3	20	20	2	3	1	2	2	2	2	1	3	2	24%	122402	7							
8		44	13	3	20	20	3	3	1	2	3	2	1	3	2	2	30%	122402	8							
9		71	3	1	8	1	16	2	3	1	4	5	1	2	1	2	36%	112928	9							
10		51	7	1	10	2	29	1	2	1	5	5	1	1	2	2	2	7%	121410	10						
11		51		18	31	2	3	1	3	4	1	1	1	2	2	2	17%	122413	11							
12		52	2	25	4	17	2	2	1	4	4	1	1	1	2	2	19%	112187	12							
13		58	3	1	15	1	22	2	2	1	5	4	2	2	3	1	35%	122421	13							
14		64	1	13	2	13	7	3	2	1	5	5	1	2	4	1	29%	130179	14							
15		66	13	12	9	2	2	1	4	5	1	1	1	3	1	1	18%	132119	15							
16		65	3	13	6	1	12	3	2	1	2	2	2	2	4	1	14%	132571	16							
17		35	6	44	5	10	2	1	1	5	5	1	2	2	2	3	18%	12339A	17							
18		46	5	25	14	10	2	2	1	3	4	1	1	2	3	13%	112187	18								
19		39	6	44	3	8	3	1	1	4	5	1	1	3	2	11%	12339A	19								
20		63	3	13	3	8	10	2	1	5	4	1	1	2	3	27%	123092	20								
21		55	1	5	22	17	3	3	1	3	4	1	1	2	2	27%	122402	21								
22		44	13	3	13	27	2	3	1	3	3	2	1	3	2	2	-5%	122402	22							
23		59	1	13	13	14	2	2	1	4	4	2	1	3	1	6%	122421	23								
24		59	1	13	13	14	2	1	1	3	3	2	1	3	1	14%	122421	24								
25		50	2	13	1	34	2	2	1	4	4	1	1	3	2	23%	110588	25								
26		54	2	25	9	10	2	2	1	3	2	1	2	3	3	14%	112187	26								

Breed % average 57 2.8 21 4.1 9 2 17 2.2 2.1 1.1 3.5 3.7 1.4 1.2 2.6 2.2 21%
 Of this catalogue: Curve bend top 5% yellow, top 10% grey, top 25% bold

ELITE PERFORMANCE MATERNALS ASBV'S Page 8

ELITE PERFORMANCE MATERNALS ASBV'S

ADDITIONAL INFORMATION AS RAW DATA

BREED CONTENT

BREED CONTENT												ADDITIONAL INFORMATION AS RAW DATA													
PHENOTYPE		BREECH DAM CURVE																							
LOT	Purchaser	Price	CP	EF	BL	RM	PD	TX	WS	PELT	FACE	NOSE	FEET	PIG	PIG	LEGS	BACK	COV	AGE	BEND	SIRE	LOT			
27	27	64	2	25	6	3	2	3	1	4	4	1	1	3	2	20%	112187	27							
28		53		16	31	2	2	1	4	1	1	1	1	3	2	25%	122413	28							
29		53	1	23	23	2	2	1	3	3	2	2	2	3	3	19%	122096	29							
30		50	1	20	29	2	1	2	1	2	1	1	1	1	2	24%	122096	30							
31		69	6	11	14	2	3	1	2	3	2	1	1	4	3	26%	122236	31							
32		58	3	19	4	15	2	3	1	5	5	2	1	3	6	27%	122413	32							
33		55	1	25	10	9	2	2	1	4	5	1	1	3	3	21%	112187	33							
34		50	1	16	33	2	1	1	1	1	1	1	1	2	3	-2%	121410	34							
35		40	2	15	1	42	2	3	1	4	4	1	1	4	3	27%	110588	35							
36		69	5	13	7	1	5	2	1	1	5	5	1	1	3	2	13%	130358	36						
37		45	1	2	24	28	2	2	2	5	4	1	1	3	2	22%	122096	37							
38		57	3	1	20	1	18	3	2	1	4	5	1	2	3	4	16%	122096	38						
39		47	2	16	35	2	1	1	3	4	2	1	1	1	3	33%	122413	39							
40		47	1	2	20	1	29	2	2	1	5	4	3	1	4	3	18%	122413	40						
41		46	8	1	13	3	29	2	2	1	3	5	1	1	2	2	22%	110588	41						
42		83	2	5	10	3	3	1	1	1	1	1	1	5	1	15%	130318	42							
43		54	1	13	3	9	20	3	2	1	5	2	1	1	3	1	6%	130230	43						
44		39	3	15	1	42	2	3	1	1	1	1	1	4	3	27%	110588	44							
45		53	1	3	18	25	2	3	1	4	4	2	1	4	3	27%	122413	45							
46		74	2	1	8	15	4	3	1	2	3	2	1	2	2	35%	130004	46							
47		53		23	1	23	2	3	1	4	5	2	2	3	3	7%	122413	47							
48		25	6	44	11	14	3	2	1	5	5	1	1	3	2	31%	12303A	48							
49		54	4	1	14	2	25	2	2	1	3	5	1	1	2	2	13%	110588	49						
50		67	13	7	13	2	3	2	1	1	1	2	4	1	1	18%	130866	50							
51		71	5	13	7	1	3	2	1	1	1	1	1	4	1	14%	130866	51							
52		61	2	13	1	6	17	2	3	2	2	4	1	1	4	1	16%	130997	52						

Breed % average 57 2.8 21 4.1 9 2 17 2.2 2.1 1.1 3.5 3.7 1.4 1.2 2.6 2.2 2.2 21%
 Of this catalogue: Curve bend top 5% yellow, top 10% grey, top 25% bold

ELITE PERFORMANCE MATERNALS ASBV's																						
page 10																						
LOT	ID	DOB	Band	% \$Mat		MILK			PWWWT			YGFW			LDAG							
				Index	NLW	YNLW	MWWT	BWT	YWT	AWT	PFAT	PEMD	PFEC	PSC	DIR	DAU	LOT					
53	CP 142892	12/08/2014	1	139.3	19%	16%	0.4	0.3	6.6	11.6	11.9	12.0	0.2	1.4	8	-21	-0.1	4.0	0	1	53	
54	CP 142982	16/08/2014	1	139.5	19%	17%	0.3	0.3	6.3	11.1	11.2	11.8	2.2	1.6	8	-39	-0.2	4.5	0	0	54	
55	CP 142655	14/08/2014	1	138.2	12%	11%	0.2	0.8	8.5	13.7	16.9	17.7	-0.8	1.0	14	-54	0.3	2.6	0	0	55	
56	CP 143443	19/08/2014	1	138.1	12%	16%	0.1	0.6	8.5	13.6	15.0	15.5	-0.9	1.1	5	-57	0.2	4.8	-1	0	56	
57	O 140949	1/09/2014	1	139.2	19%	25%	0.7	0.3	6.8	12.3	14.2	15.9	-1.0	0.6	4	-38	-0.1	4.1	0	0	57	
58	O 140966	2/09/2014	1	139.9	16%	16%	1.4	0.7	7.4	12.7	13.4	13.0	-0.2	0.6	8	-44	0.0	3.4	-2	-2	58	
59	O 140963	2/09/2014	1	138.5	19%	20%	0.4	0.6	7.7	12.6	13.9	14.6	-0.7	0.5	2	-18	-0.2	3.7	0	0	59	
60	O 140979	3/09/2014	1	138.3	9%	9%	1.6	0.7	10.2	15.5	17.1	19.4	-1.5	0.1	2	-46	-0.3	3.2	-1	0	60	
61	CP 143173	20/08/2014	1	139.9	14%	20%	1.4	0.6	7.3	12.1	13.3	13.3	-0.6	1.5	-10	-70	0.3	4.0	-2	-1	61	
62	CP 143376	16/08/2014	1	139.6	15%	20%	1.9	0.5	6.4	11.3	12.9	14.4	-0.6	1.3	-6	-77	0.4	4.0	0	-2	62	
63	CP 143369	15/08/2014	1	139.0	17%	16%	1.1	0.6	7.6	12.3	13.4	15.3	-0.8	1.1	5	-12	-0.2	4.3	-3	-3	63	
64	CP 143418	18/08/2014	1	138.1	24%	21%	1.4	-0.4	0.3	6.2	10.0	10.5	11.6	-0.3	0.7	5	-49	-0.1	3.1	1	1	64
65	O 141007	4/09/2014	1	138.3	16%	17%	0.7	0.3	8.7	14.5	16.6	18.2	-1.4	-0.1	1	-18	-0.1	5.4	1	1	65	
66	O 141084	8/09/2014	1	138.7	18%	20%	0.4	0.5	7.1	12.2	14.3	14.9	-0.3	0.8	19	-32	0.0	3.5	0	-1	66	
67	O 141025	5/09/2014	1	138.2	16%	21%	1.4	0.5	8.3	13.5	15.5	16.9	-0.4	0.1	6	6	-0.1	4.6	-2	-2	67	
68	O 141126	9/09/2014	1	138.7	18%	24%	1.1	0.4	6.8	12.6	14.0	15.0	-1.2	0.4	5	-11	-0.2	3.9	0	0	68	
69	CP 142636	13/08/2014	1	138.8	14%	17%	0.3	0.4	7.2	11.9	12.4	11.3	1.1	2.1	0	-62	-0.2	3.9	0	0	69	
70	CP 143773	23/08/2014	1	138.3	14%	16%	2.1	0.4	6.1	10.0	12.4	14.0	-1.0	1.7	-4	-63	0.1	2.7	-1	-1	70	
71	CP 144294	26/08/2014	1	138.2	21%	20%	-0.2	0.2	6.3	10.7	10.3	10.0	-0.1	1.3	0	-32	0.2	4.9	1	1	71	
72	CP 143888	22/08/2014	1	138.1	15%	19%	1.1	0.7	7.6	11.9	14.1	15.3	-0.9	1.2	-6	-41	0.0	2.9	-1	-1	72	
73	O 141027	5/09/2014	1	138.7	17%	22%	0.9	0.6	7.3	12.5	13.9	15.1	-0.9	0.7	5	-32	-0.2	3.5	-2	-1	73	
74	O 141101	8/09/2014	1	138.8	17%	13%	0.4	0.6	7.3	11.8	12.5	13.4	-0.7	1.3	9	-45	-0.1	3.8	-1	0	74	
75	O 141138	9/09/2014	1	139.8	18%	25%	1.2	0.5	7.1	11.9	12.7	13.7	-0.5	0.9	0	-35	-0.3	4.1	0	0	75	
76	O 141357	13/09/2014	1	138.3	15%	22%	1.1	0.5	8.1	12.5	13.5	14.8	-1.0	0.7	5	-45	-0.2	4.0	0	0	76	
77	O 141187	10/09/2014	1	138.6	20%	19%	-0.5	0.5	7.6	13.3	15.6	17.1	-0.7	0.0	6	-38	-0.1	4.1	1	2	77	
78	O 141190	10/09/2014	1	139.4	15%	16%	0.9	0.6	7.9	13.6	14.9	15.0	-0.4	0.6	4	-46	-0.1	4.1	-1	0	78	
79	O 141370	14/09/2014	1	138.1	19%	17%	0.3	0.3	7.6	12.7	15.0	17.0	-1.1	0.2	4	-32	-0.1	5.3	1	1	79	
Today's ram average				3	136.3	15%	17%	0.7	0.5	7.1	11.8	13.5	14.2	-0.7	0.7	4	-40	0	4	0	0	
Maternal percentile average				50	120	5%	7%	*	0.5	6.3	9.2	10.5	10.9	-0.5	0.3	16	-19	*	2.7	*	*	
top 5% yellow, top 10% grey, top 25% bold type																						

PHENOTYPE

ADDITIONAL INFORMATION AS RAW DATA

LOT	Purchaser	PELT										NOSE				FEET				BREECH				DAM		CURVE		SIRE	LOT
		Price	CP	EF	BL	RM	PD	TX	WS	SKIN	COV	JAW	PIG	PIG	LEGS	BACK	COV	AGE	BEND										
53		35	6	44	7	8	4	1	1	1	2	5	4	1	1	1	3	2	2	3	2	4%	12339A	54					
54		22	9	44	5	10	1	9	3	1	2	5	4	1	1	1	3	2	2	3	2	7%	12339A	54					
55		58	2		15				25	3	2	1	3	3	2	1	3	2	1	3	2	29%	130004	55					
56		60		4	18				18	3	3	1	5	5	2	1	3	3	3	3	3	14%	122260	56					
57		56	8	1	3	9	2	21	2	3	1	4	4	4	1	1	4	1	1	4	1	30%	130298	57					
58		63	13	3	8				13	2	4	1	4	4	1	1	4	1	1	4	1	2%	130230	58					
59		68	1	13	8				10	2	1	1	5	5	1	1	4	1	1	4	1	15%	130318	59					
60		76	3	2	9	1	9	1	1	1	3	4	1	1	1	1	2	1	1	2	1	25%	130997	60					
61		48	2		22				28	2	2	1	4	4	1	1	2	1	2	3	3	9%	122222	61					
62		45	1	2	24				28	3	3	1	4	2	1	1	3	2	1	3	2	28%	122096	62					
63		65	8	1	10	1	15	2	3	1	5	5	5	3	3	3	2	5	5	5	25%	133480	63						
64		43	6	44	1	6			2	1	1	3	3	1	1	1	2	3	3	3	1	16%	12339A	64					
65		56	7	1	3	13	2	18	2	1	1	3	5	1	1	1	3	1	3	1	25%	130298	65						
66		82	1	6	3				8	3	3	1	2	1	1	1	2	1	2	1	2	22%	130318	66					
67		54	7	8	3	8	2	18	2	2	1	1	1	2	1	1	3	1	3	1	25%	130298	67						
68		65	3	13	8	1	10	2	2	1	4	4	4	1	1	2	1	2	1	1	19%	130230	68						
69		70	2	3	6				19	2	2	1	1	2	2	1	1	3	3	3	-5%	132564	69						
70		44	13	6	6				31	2	2	1	4	4	2	1	2	1	2	2	39%	122377	70						
71		19	6	44	6	10			15	2	1	1	5	4	2	1	1	3	3	3	-7%	12339A	71						
72		50	13	3	16				18	2	2	4	3	1	2	2	2	2	2	2	29%	122291	72						
73		60	13	2	7				18	2	3	1	4	4	1	1	3	1	3	1	21%	130230	73						
74		70	1	13	8				8	2	3	1	5	5	1	1	3	1	3	1	14%	130866	74						
75		48	7	13	3	11	2	16	1	2	1	5	5	1	1	1	3	1	3	1	15%	130298	75						
76		64	1	13	1	9			12	2	3	1	5	5	1	1	4	1	4	1	18%	130997	76						
77		70	2		3	5			20	2	2	1	1	1	1	1	2	1	2	1	28%	130318	77						
78		55	1	13	1	20			10	2	3	2	4	4	1	1	4	1	4	1	10%	130230	78						
79		63	8	1	3	6	2	17	2	3	1	3	4	1	1	4	1	4	1	34%	130298	79							

Breed % average 57 2.8 21 4.1 9 2 17 2.2 2.1 1.1 3.5 3.7 1.4 1.2 2.6 2.6 2.2 21%

Of this catalogue: Curve bend top 5% yellow, top 10% grey, top 25% bold

ELITE PERFORMANCE MATERNALS ASBV's

ADDITIONAL INFORMATION AS RAW DATA

PERFORMANCE MATERNALS ASBV'S

BREED CONTENT

PHENOTYPE

DATA

ADDITIONAL INFORMATION AS RAW DATA

BREED CONTENT

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PERFORMANCE MATERNALS ASBV'S

BREED CONTENT												ADDITIONAL INFORMATION AS RAW DATA													
LOT	Purchaser	Price	CP	EF	BL	RM	PD	TX	WS	SKIN	COV	PELT	FACE	NOSE	FEET	PIG	LEGS	BACK	COV	BREECH	DAM	AGE	BEND	SIRE	LOT
												PHENOTYPE				CURVE									
159		70	3	1	2	8	1	15	2	2	1	5	5	5	2	1	3	1	3	1	20%	132571	159		
160		62		3	16	1	18	2	3	1	5	5	1	2	4	1	1	1	4	1	13%	122421	160		
161		69	4	4	10	4	9	3	3	1	3	3	1	2	2	2	2	2	2	2	5%	130004	161		
162		47	1	2	15			35	2	1	2	3	4	2	1	3	5	5	5	8%	122291	162			
163		68	3	3	12	1	13	2	2	1	4	4	3	2	3	1	1	1	3	1	27%	132571	163		
164		20	6	44	12	1	17	4	2	1	4	3	2	1	2	1	2	2	2	2	-10%	12339A	164		
165		25	6	44	11			14	4	1	2	4	4	1	1	2	2	2	2	2	25%	12339A	165		
166		70			16			14	3	2	1	5	5	2	2	3	2	3	2	2	13%	122260	166		
167		62	12	3	11			12	3	1	1	5	5	2	1	4	3	3	2	3	20%	133480	167		
168		60	1		6	19		14	4	3	1	5	5	2	2	4	1	1	1	1	37%	122421	168		
169		60	2		11			27	3	2	1	5	5	1	1	1	1	1	1	2	31%	122413	169		
170		51			20			29	3	2	1	5	4	1	1	1	2	2	3	3	8%	122413	170		
171		48	2	1	25			24	2	2	1	5	5	1	1	1	2	2	3	3	13%	122413	171		
172		44	3		12	1	40	1	3	1	5	5	1	1	1	1	1	1	3	3	28%	110588	172		
173		64	2	13	3	10		8	2	2	1	3	4	1	1	1	2	2	2	2	19%	123092	173		
174		42	3	13	17			25	2	2	1	3	2	1	1	1	2	2	3	3	11%	130358	174		
175		85	1	1	3			10	2	3	1	4	5	1	1	1	3	1	1	45%	130318	175			
176		67	1		6			26	2	2	1	4	5	1	1	1	3	1	1	1	29%	130318	176		
177		69	3	1	8	1	18	2	1	1	5	5	1	1	1	1	1	1	1	1	29%	130407	177		
178		68	1	13	8			10	2	2	1	5	5	1	1	1	3	1	1	1	18%	130318	178		
179		66	13	1	11	9		2	2	1	5	5	1	1	1	2	1	1	2	1	0%	130866	179		
180		63	4	13	8	1	11	2	3	1	4	3	1	1	1	1	3	1	1	17%	130230	180			
181		69	2	13	6			10	2	2	1	5	4	1	1	1	3	1	1	1	18%	130318	181		
182		63	3	13	1	6	1	13	2	3	1	5	5	1	1	1	1	1	1	1	10%	130866	182		
183		63	3	13	8			13	2	3	1	5	4	1	1	1	4	1	1	1	0%	130866	183		
184		49	7	13	3	10	2	16	2	3	1	3	3	1	1	1	3	1	1	25%	130298	184			
185		74	3	13	4	1	5	2	1	1	4	3	1	1	1	1	1	1	1	17%	130866	185			
186		71	2	13	1	6		7	2	3	1	5	5	1	1	1	3	1	1	1	11%	130997	186		
Breed % average		57	2.8	21	4.1	9	2	17	2.2	2.1	1.1	3.5	3.7	1.4	1.2	2.6	2.2	2.1%							

Of this catalogue: Curve bend top 5% yellow, top 10% grey, top 25% bold

Performance Materials											ASBV's											
Page 20					% \$Mat			Milk			PWWT			YGFW			LDAG					
Lot	#	ID	DOB	Band	Index	NLW	YNLW	MWWT	BWT	WWT	YWT	AWT	PFAT	Pemd	Pfec	Psc	Dir	DAU	LOT			
187	0	140907	28/08/2014	2	136.6	12%	10%	0.7	0.6	8.5	13.2	14.7	14.8	-1.2	0.7	0	-47	0.0	3.3	-1	0	187
188	0	141155	9/09/2014	2	137.0	15%	18%	0.1	0.5	7.7	12.8	14.5	15.4	-1.3	0.6	4	-53	0.0	3.0	-1	0	188
189	0	141413	15/09/2014	2	136.7	14%	19%	1.3	0.7	7.7	12.3	13.6	14.0	-0.6	0.9	-7	-28	-0.1	3.8	-2	-3	189
190	0	141491	19/09/2014	2	136.5	14%	20%	1.2	0.6	8.0	12.5	14.7	15.3	-0.8	0.4	-4	-28	0.0	3.7	-4	-4	190
191	0	140148	6/07/2014	2	137.9	17%	13%	0.2	0.6	8.1	13.4	16.7	19.1	-1.4	0.1	7	-35	-0.1	4.6	0	0	191
192	0	140201	8/07/2014	2	136.6	16%	13%	-0.3	0.5	8.4	13.8	16.6	18.5	-1.6	0.0	7	-37	-0.1	3.6	1	0	192
193	0	140749	25/07/2014	2	136.9	16%	22%	0.2	0.5	6.8	12.0	13.2	13.7	-0.3	1.3	-9	-49	0.3	3.4	0	-1	193
194	0	140890	25/08/2014	2	138.0	17%	22%	1.7	0.4	7.3	12.4	13.8	15.8	-1.1	0.1	-3	-32	-0.3	4.5	1	0	194
195	0	141307	12/09/2014	2	137.2	18%	14%	-0.1	0.6	7.1	12.4	14.3	14.8	-0.9	0.5	6	-35	0.0	3.8	-1	0	195
196	0	140351	13/07/2014	2	137.9	14%	11%	0.2	0.6	8.6	13.8	15.8	18.4	-0.9	0.4	13	-41	-0.1	3.6	0	0	196
197	0	140454	16/07/2014	2	137.2	15%	21%	0.9	0.5	7.1	12.2	14.9	16.1	-1.0	1.1	-2	-30	0.2	4.9	0	0	197
198	0	140704	24/07/2014	2	137.0	10%	12%	0.8	0.6	8.5	13.5	15.9	17.7	-0.7	1.0	6	-49	0.0	3.1	-1	-2	198
199	0	140864	12/08/2014	2	137.8	12%	20%	1.0	0.5	8.7	13.5	15.7	16.2	-1.3	0.7	-9	-58	0.2	5.2	-1	-1	199
200	0	140928	1/09/2014	2	137.4	11%	13%	1.3	0.8	10.5	14.5	15.9	17.4	-1.5	-0.1	4	-25	-0.1	3.6	-3	-2	200
201	0	140857	9/08/2014	2	136.7	16%	19%	0.9	0.5	6.8	12.2	14.5	14.5	-0.5	0.8	-9	-28	0.2	4.3	0	-1	201
202	0	140957	2/09/2014	2	136.6	18%	18%	0.5	0.4	6.6	11.7	12.3	12.6	-0.8	0.4	9	-14	-0.2	4.0	0	0	202
203	0	141363	13/09/2014	2	137.8	17%	18%	-0.1	0.6	7.5	13.0	14.7	15.2	-0.7	0.6	10	-41	0.0	3.7	0	0	203
204	0	141513	20/09/2014	2	137.8	19%	19%	0.0	0.4	7.3	13.2	15.6	17.7	-1.5	-0.2	11	-23	-0.1	4.5	1	1	204
205	0	141531	22/09/2014	2	136.6	18%	26%	0.2	0.3	7.1	12.9	14.6	15.4	-0.8	0.0	-4	-25	0.0	5.0	0	0	205
206	0	140910	28/08/2014	2	137.8	14%	14%	1.4	0.4	7.0	12.2	14.1	15.2	-1.1	0.9	-2	-50	0.1	3.3	0	-1	206
207	0	141260	11/09/2014	2	138.0	16%	10%	1.1	0.6	7.8	13.0	13.6	14.2	-1.0	0.0	10	-35	-0.3	4.0	-2	-1	207
208	0	141389	14/09/2014	2	136.5	17%	17%	1.2	0.7	7.6	11.0	11.9	12.6	-1.3	0.3	1	-42	0.0	2.8	-1	-2	208
209	0	141423	17/09/2014	2	136.8	19%	26%	0.3	0.3	4.9	10.4	11.5	11.9	-0.9	1.0	18	-41	-0.2	3.0	-1	1	209
210	0	141474	19/09/2014	2	136.6	15%	19%	0.8	0.6	7.8	12.3	14.4	16.3	-1.5	0.3	5	-42	-0.3	3.8	-2	-1	210
211	CP	141622	31/08/2014	2	138.0	12%	20%	0.9	0.4	6.3	10.8	11.2	12.4	1.5	3.1	-5	-50	-0.2	3.7	-1	1	211
212	CP	141772	7/09/2014	2	136.6	15%	22%	0.6	0.4	6.8	12.3	13.9	14.7	-0.7	0.7	6	-41	0.4	3.7	1	0	212
213	CP	142954	15/08/2014	2	136.4	16%	19%	1.0	0.5	7.3	11.5	13.1	14.5	-1.3	0.2	-4	-62	-0.1	3.9	1	-1	213
214	CP	143327	17/08/2014	2	137.4	17%	24%	0.6	0.3	5.2	9.9	10.3	10.1	0.3	1.7	-1	-66	-0.1	5.1	0	0	214
215	CP	144151	24/08/2014	2	137.6	20%	18%	1.0	0.6	7.0	11.4	15.0	16.1	-1.1	-0.4	15	-44	0.2	3.4	0	-2	215
216	CP	144374	28/08/2014	2	137.5	17%	15%	0.5	0.6	7.3	12.0	13.7	14.8	-0.4	0.5	5	-49	0.1	3.1	0	1	216
Today's ram average				3	136.3	15%	17%	0.7	0.5	7.1	11.8	13.5	14.2	-0.7	0.7	4	-40	0	4	0	0	
Maternal percentile average				50	120	5%	7%	*	0.5	6.3	9.2	10.5	10.9	-0.5	0.3	16	-19	*	2.7	*	*	

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BREED CONTENT												ADDITIONAL INFORMATION AS RAW DATA																		
LOT	Purchaser	Price	CP	EF	BL	RM	PD	TX	WS	SKIN	COV	JAW	PIG	NOSE	FEET	PELT	FACE	COV	LEGS	BACK	COV	BREECH	DAM	CURVE	SIRE	BEND	AGE	BEND	SIRE	LOT
187		71	1	1	15	12	2	1	1	5	5	1	1	1	1	1	1	1	1	1	1	1	1	1	12%	130407	187			
188		71	2	10	17	2	3	1	3	5	1	1	1	2	1	1	2	1	1	2	1	1	2	1	20%	130407	188			
189		52	13	10	25	2	2	1	3	5	1	2	1	2	3	2	1	2	3	2	1	2	1	14%	130358	189				
190		69	1	6	1	5	18	2	2	1	4	5	1	1	1	2	1	1	2	1	1	2	1	23%	130997	190				
191		77	3	1	7	1	10	2	3	1	2	3	1	1	1	1	1	1	1	1	1	1	1	3	42%	112928	191			
192		77	3	1	8	1	10	2	1	1	2	4	1	1	1	2	1	1	2	2	1	2	2	2	34%	112928	192			
193		46	2		18	1	33	2	2	1	2	5	1	1	1	2	1	1	2	3	1	2	3	3	15%	110588	193			
194		55	8	13	3	8	2	11	2	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	28%	130298	194			
195		76	2		3	19	2	2	1	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	19%	130318	195			
196		68	4	1	13	1	13	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	33%	112928	196			
197		51	1	3	15	1	29	1	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	2	32%	110588	197			
198		56	1	3	18	1	21	2	3	1	1	3	1	1	2	2	1	2	2	2	1	2	2	2	31%	110588	198			
199		51	2		15	1	31	2	2	1	1	3	1	1	1	1	1	1	1	1	1	1	1	2	19%	110588	199			
200		73	1	1	1	5	19	2	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	20%	130997	200				
201		56	1		3	12	1	27	2	1	1	2	4	1	1	1	1	1	1	1	1	1	1	3	18%	110588	201			
202		67	3	13	3	8	1	5	2	3	1	1	1	1	1	1	1	4	1	1	4	1	1	1	8%	130230	202			
203		73	3		11	13	2	3	1	1	1	1	1	1	1	1	1	2	1	1	2	1	1	1	16%	130318	203			
204		63	8	1	3	7	2	16	2	3	1	3	5	1	1	1	1	3	1	1	3	1	1	3	34%	130298	204			
205		56	7	7	3	6	2	19	2	2	1	2	1	1	1	1	1	3	1	1	3	1	1	20%	130298	205				
206		39	3		15	1	42	2	3	1	1	1	1	1	1	1	1	4	1	1	4	3	1	25%	110588	206				
207		72	2	14	1	8	3	2	2	1	2	2	1	1	1	1	2	1	1	2	1	1	1	10%	130866	207				
208		60	1	13	3	10	13	2	3	1	2	4	1	1	2	1	2	3	1	1	2	3	1	14%	130866	208				
209		64	2	13	11	10	3	3	1	3	4	1	1	1	1	1	4	1	1	4	1	1	1	15%	130230	209				
210		73	1	13	2	3	8	2	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	32%	130997	210				
211		54	1	25	3	17	2	2	1	3	3	1	1	1	1	1	1	1	1	1	1	1	1	14%	132564	211				
212		59	2		16	2	21	3	3	2	3	3	3	1	1	4	1	1	4	1	1	4	1	1	19%	122422	212			
213		53	6		3	12	1	25	2	3	1	1	1	2	2	2	3	5	5	5	5	5	5	26%	122228	213				
214		51	3	13	3	13	3	14	2	3	1	1	2	2	2	2	3	2	2	2	2	2	2	2%	122402	214				
215		67	1	6	11	14	2	3	1	1	2	1	1	2	1	1	2	3	2	2	3	2	2	42%	110716	215				
216		64	3	2	1	15	1	14	2	2	1	1	1	1	1	1	2	2	3	2	2	3	2	23%	122222	216				
	Breed % average	57	2.8	21	4.1	9	2	17	2.2	2.1	1.1	3.5	3.7	1.4	1.2	2.6	2.2	2.1	2.2	2.1	2.2	2.1	2.1	21%						

Of this catalogue: Curve bend top 5% yellow, top 10% grey, top 25% bold

Performance Maternals ASBV's																	
LOT	#	ID	DOB	Band	Index	NLW	YNLW	MWWT	BWT	PWWT	YWT	AWT	PFAT	PEMD	YGFW	LDAg	
217	CP	142267	5/08/2014	2	137.2	13%	0.9	0.4	7.0	12.2	13.3	-0.4	1.2	9	-50	0.0	
218	CP	142604	14/08/2014	2	137.5	12%	1.1	0.6	8.1	12.7	15.0	-0.4	1.1	4	-39	-0.1	
219	CP	143162	20/08/2014	2	136.5	11%	0.9	0.5	6.8	11.8	14.2	-0.8	1.5	0	-71	0.6	
220	CP	143804	19/08/2014	2	136.5	15%	10%	1.1	0.5	8.0	12.4	-0.9	0.6	1	2	-0.1	
221	CP	146223	28/09/2014	2	136.4	10%	11%	0.3	0.4	7.1	12.0	13.7	0.9	2.5	2	-42	-0.1
222	CP	146286	7/09/2014	2	137.5	14%	9%	-0.2	0.5	7.2	12.3	16.1	15.4	-0.7	1.7	-8	-61
223	O	140082	4/07/2014	3	135.8	13%	0.9	0.6	8.5	13.2	15.1	17.4	-0.5	0.8	0	17	-0.1
224	O	140124	6/07/2014	3	135.2	12%	3%	0.4	0.5	8.4	12.3	13.7	14.5	-0.6	0.8	6	-53
225	O	140402	15/07/2014	3	135.8	18%	22%	1.0	0.6	6.5	11.1	13.5	14.6	-0.7	-0.1	5	-46
226	O	140405	15/07/2014	3	135.9	19%	20%	0.1	0.2	5.5	10.5	11.6	0.1	0.9	5	-45	0.1
227	O	140824	3/08/2014	3	135.3	21%	18%	0.3	0.1	4.6	9.4	10.9	11.2	0.1	0.8	13	-27
228	O	140190	7/07/2014	3	135.4	15%	21%	1.1	0.7	7.4	11.7	12.8	13.6	-1.3	0.1	7	-31
229	O	140275	10/07/2014	3	136.1	18%	22%	0.2	0.5	5.9	9.9	12.7	12.3	-0.6	0.9	5	-82
230	O	140291	10/07/2014	3	135.9	15%	21%	1.8	0.7	7.8	12.2	12.7	13.6	-1.1	-0.2	2	-23
231	O	140743	25/07/2014	3	135.4	12%	11%	1.4	0.8	9.5	13.5	14.6	17.3	-1.6	-0.6	2	-31
232	O	140789	28/07/2014	3	136.0	11%	20%	1.0	0.6	8.1	12.8	15.5	16.5	-1.2	0.9	-5	-49
233	O	140260	9/07/2014	3	136.3	16%	17%	0.0	0.6	8.5	14.0	17.7	19.2	-1.2	-0.2	4	-25
234	O	140309	11/07/2014	3	135.3	16%	24%	1.5	0.5	6.7	10.8	14.1	14.4	-1.0	-0.2	9	-45
235	O	140323	12/07/2014	3	135.8	16%	17%	1.2	0.7	7.3	10.5	10.6	10.8	-0.4	0.6	9	-36
236	O	140434	16/07/2014	3	136.0	14%	18%	1.7	0.5	7.8	12.1	12.9	14.2	-1.1	0.4	0	-15
237	O	140618	21/07/2014	3	135.7	14%	19%	0.8	0.5	7.2	11.4	14.1	14.7	-1.2	0.6	-1	-73
238	O	140220	8/07/2014	3	135.3	15%	10%	-0.9	0.6	8.8	13.5	16.1	18.3	-1.5	0.4	12	-25
239	O	140567	20/07/2014	3	135.3	16%	14%	0.6	0.2	6.3	11.0	11.7	12.4	0.1	1.2	1	-21
240	O	140572	20/07/2014	3	135.9	12%	14%	1.0	0.5	7.7	12.2	13.6	14.9	-0.2	1.3	2	-16
241	O	140616	21/07/2014	3	135.7	15%	8%	0.4	0.3	7.0	11.6	12.1	13.2	-0.5	1.2	2	-29
242	O	141274	11/09/2014	3	136.0	18%	14%	-0.2	0.4	7.3	11.7	14.4	16.6	-0.8	0.2	6	-47
243	CP	142024	5/08/2014	3	136.0	19%	26%	0.6	0.4	7.0	10.5	11.1	9.9	0.3	0.9	5	-11
244	CP	143897	22/08/2014	3	136.3	19%	21%	0.8	0.5	5.3	10.2	12.2	13.0	-0.4	0.5	2	-56
245	CP	143952	22/08/2014	3	136.0	16%	18%	-0.1	0.6	7.5	12.6	16.4	18.2	-0.9	0.1	7	-49
246	CP	144228	25/08/2014	3	135.2	20%	23%	0.8	0.5	5.2	9.4	12.5	12.4	-1.0	0.1	-2	-72
247	CP	146113	28/08/2014	3	135.8	16%	27%	0.4	0.7	7.1	11.6	13.8	13.8	-1.1	0.4	11	-35
Todays ram average		3		136.3		15%		17%		0.7		7.1		11.8		13.5	
Maternal percentile average		50		120		5%		7%		*		0.5		6.3		9.2	
top 5% yellow, top 10% grey, top 25% bold type																* 2.7	

BREED CONTENT												ADDITIONAL INFORMATION AS RAW DATA																			
														PELT						NOSE FEET						BREECH DAM CURVE					
LOT	Purchaser	Price	CP	EF	BL	RM	PD	TX	WS	SKIN	COV	FACE	PIG	PIG	LEGS	BACK	COV	AGE	BEND	SIRE	LOT										
217		47	8	1	8	13	8	15	3	2	1	3	3	2	1	2	2	3	3%	122402	217										
218		59	13	3	21	4	2	3	1	2	2	2	2	1	1	3	2	24%	122228	218											
219		47	1	1	6	20	25	2	3	1	3	4	1	1	4	3	3	31%	122096	219											
220		59	1	3	11	26	2	3	1	1	2	2	2	1	4	5	5	22%	122228	220											
221		66	1	2	4	27	2	3	1	1	2	2	2	1	1	2	1	15%	132564	221											
222		38		12	23	27	3	3	1	1	1	2	1	2	1	2	4	25%	122402	222											
223		71	3	1	5	1	19	3	1	1	3	2	1	1	1	3	4	32%	120256	223											
224		32	16	16	9	17	10	2	2	1	5	5	1	2	3	3	5	19%	71699	224											
225		50	2	25	3	4	16	1	3	1	3	4	1	2	2	2	2	31%	112187	225											
226		27	8	54	3	8	2	1	1	3	4	1	1	1	3	2	2	11%	12339A	226											
227		50	6	44				3	1	1	4	5	1	1	3	2	2	20%	12339A	227											
228		46	1	25	11	17	2	3	1	5	5	1	1	1	1	2	2	16%	112187	228											
229		56	1	6	19	18	3	2	1	4	5	1	1	1	1	3	3	24%	122413	229											
230		61	8	25	3	2	1	2	1	1	3	2	1	1	1	1	4	11%	112187	230											
231		60	2	14	11	1	12	2	3	1	4	4	1	1	1	3	3	28%	130603	231											
232		50			13	37	2	1	1	5	5	1	1	1	4	2	2	29%	122413	232											
233		70	2	14	3	2	1	8	2	2	1	4	3	1	1	3	3	37%	121692	233											
234		63	3	13	1	6	1	13	1	2	1	4	5	1	1	1	2	33%	121692	234											
235		53	2	25	6	8	4	2	2	3	1	3	4	1	1	4	2	3%	112187	235											
236		59	7	13	3	8	2	8	2	1	1	5	5	1	1	2	2	17%	130603	236											
237		50	1	3	18	1	27	2	3	1	4	5	1	1	1	2	3	30%	110588	237											
238		68	3	3	13	1	9	3	3	1	4	3	1	1	1	3	2	35%	112928	238											
239		24	6	44	3	23	2	2	1	4	5	1	1	1	2	2	2	13%	12339A	239											
240		48	2	16	3	14	17	2	2	1	5	3	1	1	1	2	2	23%	123092	240											
241		25	6	44				25	3	1	1	4	4	1	1	3	4	14%	12339A	241											
242		86	1		3	10	2	1	1	3	5	1	1	4	1	42%	130318	242													
243		73	2		11	14	2	3	1	3	5	1	2	3	4	4	-5%	122236	243												
244		54	2	1	6	15	22	2	3	1	3	4	2	2	2	2	27%	110716	244												
245		75	1	3	14	7	2	2	1	5	5	1	1	1	2	44%	122228	245													
246		54	2	1	6	15	22	2	2	1	4	4	2	2	3	2	32%	110716	246												
247		65	2	14	19	2	2	1	5	4	2	2	2	2	2	18%	122236	247													
Breed % average		57	2.8	21	4.1	9	2	17	2.2	2.1	1.1	3.5	3.7	1.4	1.2	2.6	2.2	21%													

Of this catalogue: Curve bend top 5% yellow, top 10% grey, top 25% bold

page 24		PERFORMANCE MATERNALS ASBV's																				
		Performance					Maternal ASBV's															
				\$Mat			Milk		PWWT													
LOT	#	ID	DOB	Band	Index	NLW	YNLW	MWWT	BWTT	YWT	AWT	PFAT	PEMD	PFEF	PSC	DIR	DAU	LOT				
248	CP	141739	8/09/2014	3	135.7	17%	18%	0.4	0.4	10.5	12.9	-0.6	1.3	-5	-45	0.2	3.7	2	1	248		
249	CP	144231	26/08/2014	3	135.6	14%	24%	0.8	0.5	7.5	12.1	13.4	15.0	-0.9	0.7	-4	-36	0.0	3.9	1	0	249
250	CP	145923	23/08/2014	3	136.2	16%	24%	0.5	0.5	5.4	10.9	14.3	13.8	0.7	0.9	2	-64	1.0	2.4	0	0	250
251	CP	146160	25/09/2014	3	135.3	16%	23%	0.2	0.6	6.9	11.4	14.4	14.3	-1.1	0.7	5	-37	0.4	3.2	-1	0	251
252	CP	146177	25/09/2014	3	135.6	17%	17%	0.5	0.5	7.4	12.0	14.1	15.1	-0.7	0.2	11	-3	0.0	3.1	-1	0	252
253	CP	141807	9/09/2014	3	136.2	14%	13%	0.0	0.5	7.2	12.4	14.1	13.7	-0.5	0.8	4	-62	0.1	3.5	1	1	253
254	CP	142624	14/08/2014	3	135.8	12%	12%	0.7	0.6	7.9	12.1	13.1	13.0	-1.2	0.8	11	-58	0.2	3.2	0	0	254
255	CP	143776	24/08/2014	3	135.7	11%	14%	1.3	0.5	7.0	11.9	15.3	15.8	-0.2	0.7	14	-72	0.1	2.8	0	0	255
256	CP	144134	24/08/2014	3	135.4	16%	12%	0.7	0.5	7.0	10.9	12.5	12.5	-1.0	0.2	7	-65	0.4	3.1	-1	-2	256
257	CP	145986	27/08/2014	3	136.0	15%	19%	-0.2	0.7	7.0	11.4	14.9	14.8	-0.4	0.9	5	-73	0.3	1.9	0	0	257
258	CP	141764	8/09/2014	3	135.8	16%	24%	0.8	0.6	6.6	10.2	11.7	11.9	-0.8	1.0	14	-42	-0.3	2.9	-2	-1	258
259	CP	141814	9/09/2014	3	135.7	14%	14%	0.2	0.4	6.2	11.8	13.3	14.1	0.4	1.3	8	-48	0.4	4.0	1	1	259
260	CP	143697	20/08/2014	3	135.6	12%	9%	0.5	0.3	7.5	12.4	12.1	12.1	-0.6	1.0	2	-45	-0.2	4.8	1	0	260
261	CP	143812	20/08/2014	3	136.0	16%	12%	0.4	0.2	6.6	11.0	12.4	12.2	0.1	1.2	12	-32	-0.1	3.5	1	2	261
262	CP	146248	29/09/2014	3	135.9	14%	19%	0.7	0.5	7.7	12.2	13.8	14.9	-0.6	0.5	11	-30	-0.1	4.0	-1	0	262
263	CP	142057	3/08/2014	3	136.0	12%	9%	0.1	0.5	7.6	12.4	14.9	16.7	-0.4	1.8	3	-39	0.1	2.9	0	1	263
264	CP	142065	9/08/2014	3	135.3	14%	16%	0.0	0.8	8.6	13.5	16.3	17.4	-1.4	-0.1	-1	-46	0.0	3.5	-1	0	264
265	CP	142521	9/08/2014	3	135.3	9%	11%	0.7	0.5	8.4	12.3	13.9	14.9	-1.1	1.3	14	-52	0.0	3.5	0	0	265
266	CP	143248	5/08/2014	3	135.6	11%	9%	0.7	0.7	8.9	14.3	17.2	18.6	-1.6	0.4	-2	-27	-0.4	3.5	-1	0	266
267	CP	146209	25/09/2014	3	135.7	14%	11%	0.2	0.5	7.4	12.4	15.8	16.1	-0.5	0.5	18	-30	0.1	3.5	1	0	267
268	CP	141704	3/09/2014	3	135.4	14%	20%	-0.7	0.5	7.1	11.7	13.2	11.5	0.1	2.2	-2	-28	0.1	3.5	0	1	268
269	CP	141708	2/09/2014	3	135.9	14%	20%	0.5	0.5	7.1	11.7	15.0	15.6	-0.6	1.0	0	-52	0.0	3.9	-1	-1	269
270	CP	141839	10/09/2014	3	136.0	11%	14%	1.2	0.6	7.1	11.0	11.9	11.9	0.5	1.8	10	-45	0.3	3.1	0	-1	270
271	CP	141840	10/09/2014	3	136.2	12%	15%	1.2	0.5	6.9	11.2	12.2	12.1	0.2	1.7	11	-39	0.3	3.3	0	-1	271
272	CP	143535	18/08/2014	3	135.9	14%	18%	1.2	0.6	7.3	11.9	13.9	16.5	-0.7	0.3	5	-37	0.0	2.9	0	-1	272
273	O	140314	12/07/2014	3	136.3	20%	23%	1.0	0.4	6.1	10.6	12.9	14.7	-1.1	-0.1	6	-37	-0.3	4.1	1	1	273
274	O	141080	8/09/2014	3	135.8	20%	21%	-0.3	0.4	6.1	11.9	13.6	14.2	-0.8	0.4	5	-9	0.0	3.8	0	1	274
275	O	141081	8/09/2014	3	135.3	18%	19%	-0.3	0.4	5.7	11.3	12.9	13.6	0.0	0.7	4	-33	0.0	3.1	0	1	275
276	O	141086	8/09/2014	3	135.4	20%	24%	0.6	0.2	5.6	11.1	12.4	11.9	-0.7	0.1	4	-18	-0.1	4.5	0	0	276
277	O	141546	25/09/2014	3	136.1	17%	25%	0.6	0.5	6.8	12.3	13.4	14.5	-0.9	0.5	0	-12	-0.1	3.8	-1	0	277

page 25		BREED CONTENT										ADDITIONAL INFORMATION AS RAW DATA											
LOT	Purchaser	Price		CP	EF	BL	RM	PD	TX	WS	SKIN	COV	JAW	PIG	LEGS	BACK	COV	AGE	BEND	DAM	CURVE	SIRE	LOT
248		63	2	2	14		19	3		2	1	5	4	1	2	4	1	23%	122421	248			
249		49	1	2	18		30	1		2	1	4	5	2	1	2	2	24%	122422	249			
250		45	2	13		17	1	22	3		2	1	4	4	2	2	2	2	26%	133399	250		
251		63	1		15	21	2		2	1	3	4	2	1	3	1	1	25%	122421	251			
252		75	3		15	1	6	2		2	1	5	5	1	1	2	1	26%	132119	252			
253		68	2		2	18	10	3		2	1	5	4	2	2	3	1	10%	130004	253			
254		63	1		3	19	14	2		2	1	3	4	2	2	3	3	8%	122236	254			
255		46	1		12	16	2	23	2		3	1	5	3	3	2	2	34%	122413	255			
256		60	3	1	6	12	1	17	2		2	1	4	4	2	2	2	3	15%	110716	256		
257		53	1			25		21	2		2	1	5	5	1	1	2	3	30%	122413	257		
258		42	1	25	3	10	19	2		3	1	5	5	1	1	3	1	17%	112121	258			
259		54	3	25	3	5	1	9	2		2	1	4	5	1	1	3	1	19%	132571	259		
260		35	6	44		4	11	3		2	1	3	3	1	1	3	2	-2%	12339A	260			
261		42	8	44	6			3	1		1	5	5	2	1	3	4	11%	123034	261			
262		46	1	38	2	2		11	2		1	*	3	4	2	2	3	1	23%	130707	262		
263		72	3		3	9	13	2		3	1	4	4	1	1	3	2	35%	130364	263			
264		62		3	18	17	2		3	1	4	4	2	1	4	3	3	30%	122236	264			
265		59	4	4	3	15	1	14	2		2	1	5	5	2	2	3	3	21%	132221	265		
266		68	6	3	6	11	1	5	2		1	1	3	4	2	1	3	4	30%	130364	266		
267		69	3		3	11	1	13	3		3	1	5	5	1	1	3	1	30%	132571	267		
268		73	1		7	19	2		2	1	3	3	2	1	2	1	2	2	-2%	132564	268		
269		70		3	13	14	2		2	2	4	4	1	2	2	2	2	33%	122402	269			
270		60		2	3	21	14	3		3	2	3	2	1	1	4	1	7%	122421	270			
271		60		2	3	21	14	3		3	1	5	5	1	1	4	1	9%	122421	271			
272		65	1	13		8	13	3		1	1	4	5	2	2	2	2	39%	130728	272			
273		61	1	25	3		10	2		2	1	4	4	1	1	3	3	39%	112187	273			
274		65	2		3	10	20	2		3	1	4	5	1	1	2	1	20%	130407	274			
275		65	2		3	10	20	2		3	1	5	5	1	1	3	1	20%	130407	275			
276		59	8	1	3	14	2	13	2		3	1	4	3	1	1	3	1	7%	130298	276		
277		54	3	13	1	8	1	20	2		3	1	4	5	1	1	1	17%	130230	277			
	Breed % average	57	2.8	21	4.1	9	2	17	2.2		2.1	1.1	3.5	3.7	1.4	1.2	2.6	2.2	21%				

Of this catalogue: Curve bend top 5% yellow, top 10% grey, top 25% bold

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page 31		BREED CONTENT												ADDITIONAL INFORMATION AS RAW DATA													
LOT	Purchaser	Price	CP	EF	BL	RM	PD	TX	WS	SKIN	COV	PELT	FACE	NOSE	FEET	PIG	PIG	LEGS	BACK	COV	AGE	BEND	BREECH	DAM	CURVE	SIRE	LOT
			40	19	2	16	6	17	2	3	1	4	3	1	1	1	1	1	1	2	5	15%	71699	330	330		
331		59	2	16	3	10	1	9	1	2	1	3	3	1	1	1	1	1	3	2	18%	121692	331				
332		52	2	13	13	1	19	3	3	1	4	5	1	1	1	1	1	1	2	2	34%	122413	332				
333		78	4	1	8	1	8	2	3	1	4	5	1	1	1	1	1	1	3	2	13%	130109	333				
334		65	8	2	3	7	2	13	3	3	1	5	5	1	1	1	1	1	4	1	34%	130298	334				
335		47	3	25	8	17	2	1	1	5	5	1	1	1	1	1	1	1	2	2	-3%	112187	335				
336		47	3	25	8	17	2	2	1	3	2	1	1	1	1	1	1	1	2	2	-5%	112187	336				
337		31	6	44	6	13	3	2	1	4	4	1	1	1	1	1	1	1	3	2	5%	12339A	337				
338		24	6	44	3	23	2	2	1	3	4	1	1	1	1	1	1	1	3	2	7%	12339A	338				
339		35	10	44	3	5	2	1	2	1	1	5	5	1	1	1	1	1	1	2	-1%	12339A	339				
340		42	1	25	3	10	19	3	2	1	2	1	2	5	2	2	2	2	4	1	16%	112121	340				
341		38	6	44	7	5	3	1	1	4	3	3	2	1	1	3	2	2	1	3	2	0%	12339A	341			
342		52	2	13	6	14	1	12	3	1	1	3	3	2	2	2	2	2	2	4	15%	133399	342				
343		57	2	25	8	3	5	2	2	1	3	4	2	1	1	1	1	1	4	2	10%	112121	343				
344		19	6	44	11	20	3	2	2	3	2	5	2	1	1	4	3	2	1	4	3	3%	12339A	344			
345		62	1	19	18	2	3	1	2	3	1	2	3	2	2	2	2	2	3	18%	122096	345					
346		61	1	13	3	19	3	2	1	3	3	1	1	1	1	3	1	1	3	1	30%	130179	346				
347		69			8	23	2	2	1	4	4	2	1	1	1	3	3	1	3	3	27%	132686	347				
348		44	7	3	20	2	21	2	2	1	5	5	2	1	1	1	2	1	4	12%	122222	348					
349		53	13	3	12	19	2	2	1	3	4	1	1	1	1	1	1	1	3	1	18%	122260	349				
350		43	6	19	13	19	3	2	1	5	4	1	1	1	1	1	1	2	3	29%	122222	350					
351		56	3	1	4	14	1	21	2	3	1	4	4	2	2	2	3	2	3	25%	122228	351					
352		53	2	25	3	17	2	1	1	3	3	2	1	1	1	2	3	1	3	13%	132564	352					
353		69	3		15	1	12	2	3	1	5	5	2	2	2	3	1	1	30%	132571	353						
354		31	18	44	3	3	1	3	1	1	3	4	1	1	1	1	1	4	1	4	-16%	12339A	354				
355		59	7	1	3	9	2	19	2	2	1	4	5	1	1	4	1	1	4	1	23%	130298	355				
356		75	6	1	5	1	12	2	1	1	4	5	1	1	1	1	1	3	1	1	13%	130997	356				
357		63	1	13	8	15	2	1	3	2	1	1	1	1	1	1	1	1	1	1	3%	130230	357				
358		66	3	13	18	2	2	1	3	4	1	1	1	1	1	1	1	1	1	14%	130407	358					

PERFORMANCE MATERNALS ASBV's

ADDITIONAL INFORMATION AS RAW DATA																				
BREED CONTENT								BREECH CURVE												
LOT	Purchaser	Price	CP	EF	BL	RM	PD	TX	WS	SKIN	COV	JAW	PIG	LEGS	BACK	COV	AGE	BEND	SIRE	LOT
359		56	1		10	1	32	2	3	1	3	5	1	1	3	2	27%	110588	359	
360		68	8	1	8	2	13	2	3	1	3	3	1	1	2	1	29%	130318	360	
361		59	3	13	1	8	1	15	2	2	1	4	4	1	1	3	1	16%	130230	361
362		47	1		13	1	38	2	3	1	4	5	1	1	3	2	22%	110588	362	
363		68	8	1	7	6	2	8	2	4	1	5	5	1	2	3	1	15%	130997	363
364		55	4	14	19	3	5	2	3	1	3	3	1	1	3	7	5%	130358	364	
365		72	3		5	20	2	2	1	2	1	1	1	1	3	1	28%	130318	365	
366		65	1	13	8		13	2	2	1	1	1	1	1	3	1	22%	130407	366	
367		58	8	1	3	10	2	18	2	3	1	1	1	1	3	1	33%	130298	367	
368		74	3		3	4	1	15	2	3	1	1	1	1	3	1	23%	130318	368	
369		54	8	13	3	13	1	8	2	3	1	2	1	1	3	3	13%	123092	369	
370		66	3	2	1	7	3	18	3	3	1	1	1	1	2	6	12%	112928	370	
371		75	1		6		18	2	1	1	1	1	1	1	1	1	30%	130318	371	
372		53	8	1	3	9	2	24	2	2	1	1	1	1	3	1	15%	130298	372	
373		56	8	14	6	3	13	2	3	1	1	1	1	1	3	1	14%	130866	373	
374		45	2		21		32	1	2		2	2	3	1	4	2	10%	122222	374	
375		51	2	16	31	2		2	2	1	2	2	1	2	2	11%	122402	375		
376		53	3	1	23	20	2	2	2	1	1	1	1	3	4	22%	122291	376		
377		60	1	2	13	24	2	2	1	2	3	3	1	3	1	29%	122260	377		
378		75	2	14	9	3	3	1	*	3	2	2	4	1	23%	132119	378			
Breed % average		57	2.8	21	4.1	9	2	17	2.2	2.1	1.1	3.5	3.7	1.4	1.2	2.6	2.2	21%		

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COOPWORTHS ASBVS

LOT	Purchaser	Price	CP	EF	BL	RM	PD	TX	WS	SKIN	COV	PELT	FACE	NOSE	FEET	BIG	LEGS	BACK	COV	AGE	BEND	SIRE	LOT
379	COOPWORTH								4	2	1	5	3	1	1	1	3	3	3	22%	12303A	379	
380	COOPWORTH								3	2	1	4	4	1	1	3	2	2	38%	112928	380		
381	COOPWORTH								3	2	1	5	4	1	1	2	4	4	9%	12339A	381		
382	COOPWORTH								3	2	1	5	5	1	1	3	1	1	18%	130997	382		
383	COOPWORTH								2	3	1	5	5	1	1	3	1	1	19%	130997	383		
384	COOPWORTH								3	4	1	4	3	1	1	4	4	4	43%	120256	384		
385	COOPWORTH								3	3	1	4	5	1	1	3	4	4	13%	71699	385		
386	COOPWORTH								3	2	1	5	5	1	1	3	5	5	21%	120256	386		
387	COOPWORTH								3	3	1	4	3	1	1	3	3	3	54%	112928	387		
388	COOPWORTH								3	2	1	4	5	1	1	3	3	3	23%	123092	388		
389	COOPWORTH								4	3	1	4	4	2	1	3	2	2	24%	130170	389		
390	COOPWORTH								3	1	1	4	4	2	2	1	2	2	15%	122413	390		
391	COOPWORTH								2	2	1	4	3	2	2	2	3	2	12%	130004	391		
392	COOPWORTH								3	3	1	4	4	2	1	3	1	3	29%	132571	392		
393	COOPWORTH								2	2	1	5	5	2	2	2	2	2	16%	12339A	393		
394	COOPWORTH								3	2	2	4	4	2	1	2	1	2	43%	130707	394		
395	COOPWORTH								3	2	1	5	4	1	1	1	2	2	28%	132621	395		
396	COOPWORTH								2	1	1	4	4	1	2	1	1	6	25%	132609	396		
397	COOPWORTH								3	2	1	5	5	2	1	3	3	3	15%	122096	397		
398	COOPWORTH								2	3	1	5	5	1	1	3	2	2	8%	12303A	398		
399	COOPWORTH								3	2	1	3	4	2	2	4	3	3	16%	122096	399		
400	COOPWORTH								3	3	1	3	4	3	1	3	1	1	16%	122422	400		
401	COOPWORTH								2	3	2	3	3	2	3	2	3	3	18%	122096	401		
402	COOPWORTH								3	3	2	3	4	2	1	2	2	2	40%	122422	402		
403	COOPWORTH								3	2	1	3	3	2	2	3	3	3	-2%	12339A	403		
	Breed % average		57	2.8	21	4.1	9	2	17	2.2	2.1	1.1	3.5	3.7	1.4	1.2	2.6	2.2	21%				

Of this catalogue: Curve bend top 5% yellow, top 10% grey, top 25% bold

Performance Maternals ASBV's																						
LOT	₹	ID	DOB	%	\$Mat	Band	Index	NLW	YNLW	MWWT	BWT	PWWT	YWT	AWT	PFAT	PEMD	YGFW	LDAG	LE	DAU	LOT	
404	O	140390	14/07/2014	5	133.6	10%	0.8	0.6	8.5	13.5	15.1	17.2	-1.6	0.0	-7	-38	-0.1	4.1	0	-1	404	
405	O	140437	16/07/2014	5	133.8	11%	23%	1.0	0.6	8.0	12.8	12.7	-1.1	0.0	6	-43	-0.1	3.3	-1	-1	405	
406	O	140480	17/07/2014	5	133.6	16%	0.1	0.3	5.7	9.5	11.0	11.2	0.2	1.4	16	-37	0.2	3.6	1	1	406	
407	O	140703	24/07/2014	5	134.2	10%	11%	0.8	0.5	7.7	12.4	15.3	17.0	-0.7	0.9	4	-42	0.1	2.5	-1	-2	407
408	O	140706	24/07/2014	5	134.3	16%	15%	-0.3	0.6	7.4	12.8	14.6	15.4	-1.0	-0.1	10	-23	-0.2	4.7	-1	-1	408
409	O	140693	23/07/2014	5	134.0	17%	25%	1.3	0.6	7.1	11.4	12.1	13.7	-1.2	-0.6	-2	-21	-0.3	4.1	-1	-2	409
410	O	140911	28/08/2014	5	133.8	16%	16%	0.1	0.6	7.8	12.8	15.1	16.4	-0.8	0.2	-2	11	-0.1	3.9	0	0	410
411	O	140951	1/09/2014	5	134.0	16%	20%	0.5	0.5	7.3	11.8	13.1	14.6	-0.6	-0.4	-8	-45	0.0	4.3	-1	-1	411
412	O	141514	20/09/2014	5	134.0	15%	13%	0.0	0.7	8.1	12.9	15.1	17.1	-1.8	-0.2	-4	-32	-0.1	2.6	-2	-2	412
413	O	141523	21/09/2014	5	133.7	18%	13%	-0.2	0.5	6.3	11.0	13.1	14.4	-1.1	0.2	6	-35	0.0	3.0	0	1	413
414	CP	141959	14/09/2014	10	133.3	8%	19%	1.1	0.4	5.9	10.8	12.5	12.9	0.3	2.0	-6	-59	0.0	3.6	0	0	414
415	CP	142157	10/08/2014	10	133.4	10%	13%	1.2	0.7	8.3	12.6	15.0	16.0	-1.6	0.0	5	-48	-0.4	2.3	-1	-1	415
416	CP	144055	23/08/2014	10	132.0	20%	16%	0.5	0.5	6.6	10.2	13.4	14.2	-0.7	-0.1	0	29	0.2	3.2	0	-2	416
417	CP	144307	26/08/2014	5	134.3	8%	12%	1.0	0.6	6.7	12.2	13.8	14.8	-0.4	1.4	-6	-56	-0.1	3.2	0	0	417
418	CP	141850	10/09/2014	10	133.1	15%	17%	0.5	0.6	7.3	11.8	14.2	14.8	-1.7	-0.6	5	-43	0.0	3.4	-1	1	418
419	CP	142773	16/08/2014	10	133.1	19%	24%	0.6	0.3	5.3	9.0	9.9	10.7	-0.5	0.3	17	-11	-0.3	2.5	2	2	419
420	CP	143420	18/08/2014	10	132.4	24%	21%	-0.4	0.1	4.6	7.5	7.8	8.6	-0.6	-0.1	9	-55	0.2	2.8	1	1	420
421	CP	144268	25/08/2014	10	133.3	11%	15%	1.0	0.6	7.8	11.6	13.9	15.7	-0.9	0.6	6	-27	0.1	3.3	-1	-1	421
422	CP	145922	23/08/2014	10	133.4	16%	23%	0.5	0.4	4.8	9.4	12.6	11.8	0.4	1.0	-3	-72	0.9	2.1	0	0	422
423	CP	142081	9/08/2014	10	133.2	9%	16%	1.0	0.6	6.9	10.8	12.8	12.8	-1.0	1.6	5	-60	-0.1	2.0	0	0	423
424	CP	142397	12/08/2014	10	133.1	10%	12%	0.6	0.6	7.1	11.6	12.8	13.8	0.3	1.3	0	-49	-0.1	2.8	1	1	424
425	CP	142409	8/08/2014	10	133.4	11%	11%	1.1	0.5	7.4	11.0	13.9	15.5	-1.2	0.4	17	-51	0.2	2.2	0	0	425
426	CP	143235	16/08/2014	10	133.2	9%	11%	1.8	0.5	7.9	10.8	13.4	15.0	-1.2	0.8	-4	-46	0.1	3.9	0	-2	426
427	CP	143647	20/08/2014	10	133.0	10%	13%	0.8	0.5	7.1	11.5	14.2	13.6	-0.7	0.9	4	-42	0.1	3.6	1	0	427
428	CP	141895	17/09/2014	10	132.0	16%	19%	-0.1	0.6	6.7	10.1	11.8	13.0	-1.2	0.5	17	-18	-0.1	3.2	-2	-1	428
429	CP	142906	14/08/2014	10	132.3	17%	11%	0.8	0.5	6.1	9.8	12.1	13.8	-1.5	-0.4	-1	-54	0.3	2.8	1	0	429
430	CP	143635	19/08/2014	10	132.3	18%	18%	-0.5	0.2	5.0	9.6	10.6	10.9	0.1	1.1	8	-27	0.2	3.0	1	1	430
431	CP	144215	26/08/2014	10	132.8	17%	15%	1.1	0.2	5.0	9.0	10.7	11.2	-0.3	0.4	12	-26	0.1	3.0	1	1	431
432	CP	145932	26/08/2014	10	132.8	16%	-0.2	0.2	5.0	9.3	9.2	8.0	0.1	1.3	3	-51	0.0	2.7	0	0	432	
Todays ram average		3	136.3	15%	17%	0.7	0.5	7.1	11.8	13.5	14.2	-0.7	0.7	4	-40	0	4	0	0	0	*	
Maternal percentile average		50	120	5%	7%	*	0.5	6.3	9.2	10.5	10.9	-0.5	0.3	16	-19	*	2.7	*	*	*	*	

BREED CONTENT												ADDITIONAL INFORMATION AS RAW DATA															
LOT	Purchaser	Price	CP	EF	BL	RM	PD	TX	WS	SKIN	COV	PELT	FACE	NOSE	FEET	PIG	PIG	LEGS	BACK	COV	AGE	BEND	BREECH	DAM	CURVE	SIRE	LOT
404			57	2	13	6	24	2	1	1	1	1	1	1	1	1	1	1	1	2	2	27%	130603	404			
405			65	4	8	2	21	2	2	1	2	2	2	1	1	1	1	1	1	2	5	0%	130109	405			
406			36	9	44	3	4	1	3	2	2	1	2	2	1	1	1	1	1	2	2	18%	12303A	406			
407			56	1	3	18	1	21	2	2	1	2	4	1	1	1	1	1	1	2	2	38%	110588	407			
408			76	10	2	1	7	3	1	2	3	1	2	3	1	1	1	1	1	3	4	21%	112928	408			
409			55	8	25	3	2	7	2	1	1	1	1	1	1	1	1	1	1	2	2	20%	1121187	409			
410			75	1	6	18	2	1	1	1	1	1	1	1	1	1	1	1	1	2	1	29%	130318	410			
411			59	7	1	3	9	2	19	2	3	1	2	1	1	1	1	1	1	4	1	24%	130298	411			
412			75	1	11	13	2	2	2	1	2	1	1	1	1	1	1	1	1	2	1	33%	130407	412			
413			84	3	1	4	1	7	2	3	1	1	1	1	1	1	1	1	1	2	1	31%	130318	413			
414			54	1	16	1	28	2	2	1	2	2	2	1	2	1	2	1	1	1	1	19%	122422	414			
415			50	4	3	6	22	1	14	2	2	1	3	3	3	2	1	1	2	3	3	26%	122222	415			
416			65	1	1	6	13	14	2	1	1	1	1	1	2	1	1	1	1	3	2	39%	110716	416			
417			56	2	1	22	1	18	2	2	1	1	1	2	1	1	1	1	1	3	2	21%	1222291	417			
418			66	13	12	9	2	3	1	5	3	2	2	2	2	2	4	4	1	1	25%	132119	418				
419			36	12	44	7	1	3	2	1	3	3	2	1	1	1	3	3	5	5	18%	12303A	419				
420			43	6	44	1	6		3	1	1	4	4	4	4	4	2	2	3	3	3	14%	12339A	420			
421			60	18	3	5	14	2	2	1	5	5	2	1	1	1	3	2	3	2	35%	130954	421				
422			45	2	13	17	1	22	2	3	1	2	4	1	1	1	2	2	2	2	26%	133399	422				
423			54	2	1	18	25	2	1	1	3	3	1	1	1	1	3	3	3	3	18%	122096	423				
424			43	2	4	6	20	6	19	2	2	1	5	5	2	1	2	1	2	3	19%	122236	424				
425			72		14	2	3	1	4	4	4	2	1	1	3	2	1	3	2	41%	122413	425					
426			58	1	6	17	1	17	2	3	1	4	4	4	4	2	2	2	3	6	39%	130954	426				
427			47	1	1	12	16	23	2	2	2	5	4	1	1	1	2	1	3	1	18%	122422	427				
428			68	25	5		2	3	2	2	1	4	4	4	2	1	1	3	1	1	29%	112121	428				
429			70		13	15	2	2	1	5	5	1	1	1	1	1	3	5	5	40%	122096	429					
430			46	2	40	2	10	3	2	2	5	5	2	1	1	1	3	2	2	14%	12339A	430					
431			53	40	4	3	1	1	5	5	1	1	2	3	2	2	1	2	2	25%	12339A	431					
432			40	2	40	3	13	2	1	2	5	5	1	1	1	3	2	2	2	-14%	12339A	432					
Breed % average			57	2.8	21	4.1	9	2	17	2.2	2.1	1.1	3.5	3.7	1.4	1.2	2.6	2.2	2.2	21%							

PERFORMANCE MATERNALS ASBV's

BREED CONTENT												ADDITIONAL INFORMATION AS RAW DATA												
LOT	Purchaser	Price	CP	EF	BL	RM	PD	TX	WS	SKIN	COV	PELT	FACE	NOSE	FEET	PIG	LEGS	BACK	COV	BREECH	DAM	CURVE	SIRE	LOT
433		69	12	2	3	15	2	2	1	3	4	3	2	1	2	1	2	1	2	1	2	27%	124190	433
434		56	5	18	20	3	2	1	4	4	1	1	1	1	3	3	3	3	3	3	3	22%	122236	434
435		27	2	40	8	23	3	1	1	3	4	1	1	1	2	2	3	3	2	3	3	-3%	12339A	435
436		62	5	2	15	2	17	2	1	1	4	3	2	2	2	3	4	3	2	3	3	8%	122222	436
437		68	2	11	8	5	2	3	2	4	4	1	1	1	4	1	1	4	1	1	1	21%	132119	437
438		73	12	5	10	3	2	2	3	3	3	2	2	2	2	2	2	1	2	1	2	24%	13728	438
439		64		15	15	3	2	1	5	5	2	1	1	1	1	3	1	3	6	3	6	33%	122421	439
440		30	40	5	5	20	3	1	2	4	4	1	1	1	1	1	1	1	1	1	1	17%	12339A	440
441		60	12	5	7	17	3	2	3	3	3	2	2	2	2	3	1	1	1	1	1	19%	132571	441
442		68		13	18	2	2	3	5	5	2	1	1	2	1	2	1	2	1	1	1	13%	122421	442
443		53		12	36	2	3	1	5	4	2	1	1	3	2	1	3	2	1	3	2	23%	122421	443
444		43	2	40	2	10	3	1	3	3	3	1	1	1	1	2	2	2	2	2	2	5%	12339A	444
445		66		12	23	2	2	1	5	5	1	1	1	1	1	2	2	2	2	2	2	41%	122413	445
446		60	12	5	7	17	2	2	1	5	5	2	2	2	3	1	1	3	1	1	1	33%	122377	446
447		62	25	5	5	2	2	1	5	5	1	1	2	3	1	1	2	3	1	1	1	17%	112121	447
Breed % average												ADDITIONAL INFORMATION AS RAW DATA												
BREED CONTENT												ADDITIONAL INFORMATION AS RAW DATA												
Shedding												ADDITIONAL INFORMATION AS RAW DATA												
LOT	Purchaser	Price	Score	COV	JAW	PIG	LEGS	BACK	COV	AGE	BEND	SIRE	LOT											
463			2	1	1	1	3	2	2	1	1	13%	135489	463										
466			1	1	2	3	3	2	2	1	1	36%	135488	466										
465			1	1	4	3	2	1	1	1	1	3	30%	135161	465									
468			2	1	1	3	4	2	2	1	1	3	16%	135156	468									
458			1	1	4	3	2	1	1	1	1	6	32%	135144	458									

Of this catalogue: Curve bend top 5% yellow, top 10% grey, top 25% bold

Of this catalogue: Curve bend top 5% yellow, top 10% grey, top 25% bold

page 40 CASHMORE NUDIES ASBVS

CASHMORE NUDDIES ASBVS

page 41		BREED CONTENT		ADDITIONAL INFORMATION AS RAW DATA																
LOT	Purchaser	Price		Shedding			FACE			NOSE			FEET			BREECH			DAM	
				Score	COV	JAW	PIG	PIG	LEGS	BACK	COV	AGE	BEND	SIRE	LOT					
449	NUDIE	2	1	1	3	2	2	2	1	1	2	2	52%	125085	449					
457	NUDIE	2	1	1	3	4	1	2	1	1	3	41%	104041	457						
461	NUDIE	3	1	1	5	5	2	2	1	1	1	21%	135489	461						
462	NUDIE	2	1	1	5	5	2	1	1	1	2	25%	135389	462						
454	NUDIE	2	1	1	5	4	2	2	1	1	3	42%	135488	454						
459	NUDIE	2	1	1	3	3	2	2	2	1	3	27%	125085	459						
456	NUDIE	1	1	1	3	3	2	2	1	1	1	48%	135489	456						
452	NUDIE	2	1	1	5	5	1	1	1	1	3	10%	135156	452						
450	NUDIE	2	1	1	4	4	2	1	1	1	2	36%	135389	450						
467	NUDIE	2	1	1	3	4	1	2	1	1	3	46%	135389	467						
469	NUDIE	2	1	1	3	3	2	2	1	1	3	28%	125215	469						
451	NUDIE	1	1	1	5	5	1	1	1	1	3	40%	115169	451						
464	NUDIE	2	1	2	5	5	2	2	1	1	3	18%	125168	464						
474	NUDIE	2	1	3	5	5	1	2	1	1	4	23%	125168	474						
453	NUDIE	1	1	1	5	5	2	1	1	1	2	25%	115169	453						
455	NUDIE	2	1	1	4	5	1	2	1	1	4	35%	125085	455						
471	NUDIE	2	1	1	4	4	2	2	1	1	2	28%	125215	471						
473	NUDIE	2	1	2	5	5	1	1	1	1	6	34%	135161	473						
448	NUDIE	1	1	1	5	5	1	1	1	1	2	53%	135152	448						
472	NUDIE	2	1	1	3	5	2	2	1	1	3	35%	125096	472						
470	NUDIE	1	1	1	3	4	1	2	1	1	3	52%	135389	470						
475	NUDIE	2	1	1	4	3	2	1	1	1	2	32%	125168	475						
476	NUDIE	1	1	2	5	5	2	1	1	1	3	38%	135021	476						
460	NUDIE	2	1	1	5	5	2	1	1	1	6	72%	135152	460						

Of this catalogue: Curve bend top 5% yellow, top 10% grey, top 25% bold

SHEEP GENETICS

MATERNAL PERCENTILES

	BWT	WWT	PWT	YWT	AWT	PFAT	PEMD	YGFW	PWEC	PSC	NLW	YNLW	MAT\$
Top value	-0.53	13.5	18.3	19.9	21.8	2.9	5.2	49.5	-90	6.4	25%	30%	147
Top 1%	-0.05	9.8	14.1	15.8	16.9	1.1	2.9	35.2	-71	4.8	18%	22%	138
Top 5%	0.11	8.8	12.7	14.4	15.2	0.5	1.9	31.1	-59	4.1	15%	18%	133
Top 10%	0.2	8.3	12	13.6	14.3	0.3	1.5	28.7	-51	3.8	13%	15%	131
Top 20%	0.3	7.6	11	12.6	13.2	0	1	25.5	-41	3.5	11%	12%	127
Top 30%	0.37	7.1	10.4	11.9	12.3	-0.2	0.7	22.8	-33	3.2	9%	10%	125
Top 40%	0.42	6.7	9.8	11.2	11.6	-0.4	0.5	19.6	-26	2.9	7%	8%	122
Top 50%	0.46	6.3	9.2	10.5	10.9	-0.5	0.3	15.6	-19	2.7	5%	7%	120
Top 60%	0.51	5.8	8.5	9.7	10.1	-0.6	0.1	11.4	-11	2.5	4%	5%	118
Top 70%	0.55	5.1	7.6	8.7	9.1	-0.8	-0.2	7.3	-3	2.2	3%	4%	116
Top 80%	0.6	4.3	6.5	7.5	8	-0.9	-0.4	3.8	10	1.8	1%	2%	113
Top 90%	0.66	3.1	4.6	5.5	6	-1.2	-0.7	-0.3	29	1.2	-2%	0%	109
Bottom value	1.22	-3.9	-6.3	-8.5	-10	-3.4	-2.6	-33.4	313	-2.9	-18%	-21%	87



SHEEP GENETICS

LAMBPLAN SHEDDERS Percentiles

	BWT	WWT	PWT	YWT	AWT	PFAT	PEMD	PWEC	PSC	LE_DIR	LE_DTR	YNLW	NLW	SRC
Top value	-0.8	9.9	16	16.2	19.2	2.1	3.6	-64	6.3	4%	2%	17%	16%	138.7
Top 1%	-0.6	7.7	12.4	12.3	14.8	1.2	2.9	-48	5.4	3%	1%	13%	12%	130.9
Top 5%	-0.5	6.8	11.1	11	12.5	0.8	2.3	-42	5	2%	0%	10%	9%	127.3
Top 10%	-0.5	6.4	10.4	10.2	11.2	0.7	2.1	-37	4.8	1%	0%	8%	7%	125.6
Top 20%	-0.4	5.8	9.6	9.3	9.7	0.5	1.8	-32	4.5	1%	-1%	6%	5%	123.6
Top 30%	-0.4	5.5	9.1	8.6	8.7	0.3	1.6	-27	4.3	0%	-1%	5%	4%	122.2
Top 40%	-0.4	5.2	8.6	8.1	8	0.2	1.4	-21	4.2	0%	-2%	3%	3%	120.9
Top 50%	-0.4	4.9	8.2	7.6	7.4	0.1	1.3	-13	4	-1%	-2%	2%	2%	119.6
Top 60%	-0.3	4.6	7.8	7.1	6.7	0	1.1	-7	3.8	-1%	-3%	1%	0%	118.4
Top 70%	-0.3	4.2	7.3	6.6	6.1	-0.1	0.9	2	3.7	-2%	-4%	-1%	-1%	117.2
Top 80%	-0.3	3.9	6.8	6	5.4	-0.3	0.7	13	3.5	-2%	-4%	-3%	-3%	115.7
Top 90%	-0.1	3.3	6.1	5.2	4.4	-0.5	0.4	27	3.1	-3%	-6%	-7%	-6%	113.8
Bottom value	0.4	-4.9	-6.2	-5.3	-2.1	-1.9	-1.8	70	-0.4	-9%	-12%	-15%	-17%	85.3



LAMBPLAN

Maternal Indexes



Outlined in this document are the three indexes for the maternal, dual purpose and self-replacing breeds.

The LAMBPLAN \$indexes for maternal breeds are;

Maternal \$Index (MAT\$)

This index is aimed at maternal breeds in place of the breed specific indexes such as Border\$ and Coopworth\$

The **MAT\$** index balances the key economic traits relevant to most maternal breeds. These traits and their relative emphasis are explained further in this document.

Dual Purpose \$Index (DP\$)

This index is aimed at self-replacing maternal flocks with additional focus on wool quality, such as Corriedales, SAMMs and Dohnes

The **DP\$** index has the same breeding objectives as the Maternal\$ index, with an additional moderate emphasis on improving greasy fleece weight and a small emphasis on reducing micron.

Self-Replacing Carcase \$Index (SRC\$)

This index is for use by breeds included in the terminal analysis with the intention of producing a self-replacing flock with a strong emphasis on carcase traits, for example Dorper, Wiltshire Horn, Wiltipoll and Boer Goats

The **SRC\$** index has the same breeding objectives as the Maternal\$ index, except for the removal of economic values for fleece traits. The removal of selection pressure for fleece traits allows higher gains to be made for growth and carcase traits.

Key Index traits

These indexes put selection pressure on key traits important to maternal breeds. These include;

Growth rate (WWT + PWT), there is high emphasis on improving growth rates and with more producers targeting earlier turn-off ages, the relative value for growth rate is split 40:60 between weaning weight (WWT) and post weaning weight (PWT).

Carcase, the aim is to increase muscle (**PEMD**) while maintaining fat (**PFAT**) rather than reducing it. This is so that maternal breeds will have reasonable levels of body fat in order to maintain reproductive fitness and adaptability.

Birth weight (BWT), negative \$ emphasis is placed on birth weight to counter the undesirable increase that comes with higher growth.

Maternal weaning weight (MWWT), selection for sires that produce daughters with better milking ability and that can provide a better maternal environment.

Number of Lambs Weaned (NLW), increasing weaning percentages is of course a major profit driver for any animal production system.

Worm egg count, selection for lower PWEC AS-BVs is one of the strategies that producers can put in place to assist with worm management.

Fleece traits for fleece weight and fibre diameter (YGFW and YFD) for selection of animals able to produce a higher value fleece.

LAMBPLAN

Maternal Indexes



So how is selection balanced for traits within these indexes?

The following table shows the relative selection emphasis and predicted changes over 10 years for the Maternal\$, Dual Purpose\$ and Self-Replacing Carcase\$ indexes.

Trait	Maternal \$ Index		DP \$ Index		SRC \$ Index	
	Relative Emphasis	Gain over 10 years	Relative Emphasis	Gain over 10 years	Relative Emphasis	Gain over 10 years
BWT (Kg)	11%	0.2	14%	0.2	11%	0.2
WWT (Kg)	23%	2.7	20%	2.2	23%	3
MWWT (Kg)	5%	0.4	3%	0.2	5%	0.4
PWT (Kg)	25%	4	28%	3.8	26%	4.3
PFAT (mm)	4%	0.1	4%	0.1	5%	0.1
PEMD (mm)	5%	0.3	9%	0.4	10%	0.6
NLW (%)	16%	10	7%	4	14%	9
PWEC (%)	8%	-24	2%	-17	6%	-13
YGFW (%)	3%	0	10%	6.1	----	----
YFD (μ)	----	----	3%	-0.2	----	----

This table highlights several important points:

Despite a negative economic value on birth weight, birth weight still increases by 0.20kg over 10 years. This is due to the very high positive correlations that exist between growth and birth weight.

Despite no economic value on PFAT, it increases slightly by 0.1 mm over 10 years. This is a direct result of the emphasis on muscle and the correlation that exists between muscle and fat. These indexes are expressed in dollar values.

A dollar index of 105 indicates that a ram will produce \$5 extra value for every ewe joined compared to a ram with an index of 100. Therefore over four years, if a ram produces 200 progeny, the extra value produced by that ram will be \$5 x 200 = \$1000.

These indexes serve the needs of maternal, dual purpose and self-replacing sheep. They balance growth, muscle and fertility characteristics, while maintaining or improving fat cover and the survival traits of birth weight and worm egg count.

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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.

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.

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

For more information contact Sheep Genetics

Ph: 02 6773 2948 Fax: 02 6773 2707

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Sheep Genetics is a joint program of Meat & Livestock Australia Limited ABN 39 081 678 364 and Australian Wool Innovation Limited ABN 12 095 165 558



NATIONAL SHEEP HEALTH STATEMENT (SHS)

Completing this Sheep Health Statement (SHS) will assist prospective buyers to determine the suitability of these sheep for their enterprise. Although the SHS is voluntary in some states, it is mandatory in NSW and SA. (Version 3, July 2013)
 Attached to accompanying
 NVW/Waybill No. 36LUVH185
 PIC of the consignment
 property

A: BIOSECURITY INFORMATION

A1. All consigned sheep were born on the consignment property.

A2. The number of different sources of sheep that have been INTRODUCED onto the consignment property in the last 5 years is:

0 (closed flock) 1- 5 6+ Rams Only

A3. All consigned sheep are from a property with a livestock biosecurity plan. (see note 1)

If Yes, Property Plan Regional Biosecurity Plan

B: FOOTROT / LICE / OVINE BRUCELLOSIS

B1. To the best of my knowledge, all consigned sheep are from a flock free of VIRULENT FOOTROT.

B2. To the best of my knowledge, all consigned sheep are from a flock free of LICE.

B3. All consigned sheep are from a flock in an OVINE BRUCELLOSIS Scheme. 335.3 Expiry Date 1/10/17

C: OVINE JOHNE'S DISEASE (OJD)

C1. All consigned sheep are from a SheepMAP flock. (see note 2)
 If yes, Status: Year commenced in SheepMAP

C2. All consigned sheep are from a flock with a negative test for OJD. (see note 3)

If Yes, which test?

Faecal 350 within the past 24 months Abattoir 500 within the past 24 months
 Abattoir 150 within the past 12 months Other (see note 4)

C3. To the best of my knowledge, all consigned sheep are from a flock not infected or suspected of being infected with OJD. (see note 5)

C4. All consigned lambs are TR tag lambs. (see note 6) N.A.

C5. (a) All consigned sheep are Approved Vaccinates. (see note 7)
 (b) If Yes, I have been continuously vaccinating all retained lambs in the consignment flock for OJD for 12 years.

C6. Sheep INTRODUCED onto the consignment property in the last 5 years were from a flock with: (see notes 2, 3 and 7 - multiple answers may be applicable)

SheepMAP accreditation Negative Faecal 350 Negative Abattoir 500
 Negative Abattoir 150 All Approved Vaccinates Unknown status

Other (see note 8)

D: TREATMENT INFORMATION OF CONSIGNMENT SHEEP

Treatment Product Date of Last Treatment
 External Parasite Treatment 3X COMBI DRENCH 1/1/2015
 Internal Parasite Treatment 5% Ivermectin 1/1/2015
 Vaccination (other than OJD) 25/9/2014 1/1/2015

E: ADDITIONAL INFORMATION (optional - see notes 9)

F: DECLARATION (see note 10)

I (full name): JOHN KEILER Address: CASHMORE PARK 14 WILMOTS RD CASHMORE VIC 3305 declare that, I am the owner and/or person responsible for the husbandry of the sheep in this consignment and all the information on this Sheep Health Statement is true and correct. Signed: John K. Keiler Date: 25/09/2015
 Phone Number: 0401 304 638 Fax number/email: 03 5526 5390

Producers are advised to retain appropriate records to support this declaration. Persons making false statements may be liable under fair trading and other relevant state legislation.

NATIONAL VENDOR DECLARATION (SHEEP AND LAMBS) AND WAYBILL

S0413

16453364

Part A To be completed by the owner or person who is responsible for the husbandry of the sheep or lambs.

Owner of sheep or lambs CASHMORE PARK

Property/place where the journey commenced 14 WILMOTS RD

CASHMORE VIC 3305

Property Identification Code (PIC) of this property

3GLVH185

Description of sheep or lambs

Number	Year born	Description	Marks of ownership	PICs on Ear Tags/Brands	Comments
250	2014	MATERNAL & NUDIE LAMBS	JULY15	00000000000000000000000000000000	

250 Total

Have PICs on all NLIS tags in this consignment been listed in the Description table above? either than the PIC printed on this NVD? Yes No

OR
 Have all sheep in this consignment been tagged with an additional pink post breeder tag with the PIC printed on this NVD? or WA brand as listed in the Description table above? Yes No

Hours off feed and water before transporting 24

Consigned to HAMILTON RAM SHED

Destination (if different) of sheep or lambs

Details of other statutory documents relating to this movement e.g. health statement

1 Have these sheep or lambs been raised consistent with the rules of an independently audited QA program on the property the PIC of which is shown above?

Yes No If Yes, give details: ✓

2 Have all the sheep or lambs in this consignment been treated with a Scabby Mouth Vaccination either at marking or at least 14 days prior to their presentation for sale?

Yes No

3 Were all of these sheep or lambs bred by the owner or vendor?

Yes No If No, how long ago were the sheep or lambs obtained or purchased?
 A. Less than 2 months B. 2-6 months C. 6-12 months D. more than 12 months

4 Are any of the sheep or lambs in this consignment still within a Withholding Period (WHP) or Export Slaughter Interval (ESI) as set by APVMA or SAFEMEAT, following treatment with any veterinary drug or chemical?

Yes No If Yes, give details: Physical examination within 4 weeks

5 In the past 60 days, have any of the sheep or lambs in this consignment consumed any material that was still within a withholding period when harvested, collected or first grazed?

Yes No If Yes, give details:

6 Have the sheep or lambs in this consignment ever in their lives been fed feed containing animal fats? (See Explanatory Notes)

Yes No

7 Please include any additional information below

e.g. vaccination programs, animal health certification, additional declarations, etc.

RUSSIAN & STAPLE EWE/LAMB

Declaration

I, JOHN KEILER CASHMORE PARK 14 WILMOTS RD CASHMORE VIC 3305 declare that, I am the owner or the person responsible for the husbandry of the sheep or lambs and that all the information in part A of this document is true and correct.

I also declare that I have read and understood all the questions that I have answered, that I have read and understood the explanatory notes, and that, while under my control, the sheep or lambs were not fed restricted animal material (including meat and bone meal) in breach of State or Territory legislation.

Signature: John K. Keiler

Date: 25/09/2015

*Only the person whose name appears over my signature, or those amendatory or noise amendatory which must be present.

Tel no: 0409 804 638 Fax no: 03 5526 5390

Part B To be completed by the person in charge of the sheep or lambs while they are being moved. Completion of this part is optional in SA and VIC.

Movement commenced: 20 (am/pm)

Vehicle registration number(s):

I, JOHN KEILER am the person in charge of the sheep or lambs during the movement and declare all the information in Part B is true and correct.

Signature: John K. Keiler Date: 20 Tel no: 0409 804 638

*When more than one truck or carrying the sheep or lambs, more vehicle registration numbers will be required.

Part C Agents declaration for sheep or lambs sold at auction. (Completion of Part C is optional.)

Agents completing Part C should retain the original or a scanned copy of the original declaration or a summary for a minimum of two (2) years, or three (3) years in WA and supply a copy or summary to my buyer on request.

Vendor code

Agent's code

Stock agent company

Destination PIC

Buyer's name

Saleyard arrival time (am/pm)

No. of sheep or lambs purchased

Date

Agent's signature

Date

ID	Reference Sires	%B	INDEX	NLW	YNLW	MWWT	BWT	WWT	PWWT	YWT	AWT	PFAT	PEMD	YGFW	PFEC	LDAF	PSC	LE_DIR	LE_DAU	LPN_SRE
12303A	024239201212303A	20	127.1	12%	13%	0.6	-0.1	3.0	6.0	6.0	6.1	1.4	2.2	13	-24	0.1	2.6	3	3	0242392011110161
12339A	024239201212339A	2	137.9	21%	16%	-0.1	0.0	5.0	9.5	8.7	8.5	0.8	1.7	13	-46	0.0	4.2	1	2	0242392011110107
120256	1500992012120256	4	134.6	19%	17%	0.3	0.5	8.6	12.0	15.8	16.8	-0.5	0.0	16	54	0.1	4.3	0	-1	7500622008080144
110588	1500992011110588	1	141.0	15%	24%	0.9	0.5	7.6	13.2	16.3	17.1	-0.9	1.1	-6	-71	0.4	4.2	0	0	1500992009092378
110716	1500992011110716	1	140.2	24%	21%	0.5	0.6	6.3	10.8	13.6	13.4	-0.6	0.0	13	-65	0.5	3.3	0	-1	1500992009092378
112121	1500992011112121	10	132.3	16%	21%	-0.1	0.7	7.7	11.6	12.0	13.8	-0.9	0.6	16	33	-0.7	3.5	-4	-2	0246262006060777
112187	1500992011112187	2	137.7	19%	28%	2.0	0.7	6.7	10.6	11.1	13.0	-1.1	-0.2	4	-44	-0.6	4.2	0	0	0246262006060777
112928	1500992011112928	10	133.3	16%	6%	-1.4	0.6	7.9	12.4	14.8	17.7	-1.5	0.0	18	-47	-0.1	2.9	0	1	1500992010101825
121410	1500992012121410	1	144.0	15%	20%	1.2	0.6	8.8	15.7	17.9	17.5	-1.1	1.0	-14	-50	0.1	4.1	-2	-2	1500992011110588
121692	1500992012121692	4	135.1	15%	18%	0.8	0.4	7.2	11.6	15.5	17.1	-1.0	0.0	4	-53	0.5	3.9	-3	-1	1500992011110982
122096	1500992012122096	1	138.6	17%	23%	1.9	0.5	5.6	10.1	11.7	12.6	-1.4	0.8	-7	-84	0.2	3.0	0	-1	1500992009092378
122222	1500992012122222	10	132.6	14%	21%	1.3	0.6	5.8	10.1	12.1	11.1	-1.1	0.2	-4	-59	0.0	2.6	-2	-1	1500992009092378
122228	1500992012122228	1	138.3	20%	20%	0.8	0.4	6.6	10.4	13.0	13.4	-0.5	0.9	-1	-41	0.4	4.2	2	1	1500992009092378
122236	1500992012122326	2	136.7	15%	26%	0.9	0.7	7.1	11.5	14.0	13.9	-0.7	0.7	3	-49	0.4	2.6	0	0	1500992009092378
122260	150099201212260	2	137.8	13%	25%	1.2	0.6	7.3	12.0	13.8	13.4	-0.7	1.2	7	-45	0.5	4.5	-2	-1	1500992009092378
122291	1500992012122291	1	139.5	16%	22%	1.9	0.6	6.0	11.2	12.5	13.4	-0.7	1.2	-17	-67	0.3	3.0	0	-1	1500992009092378
122377	1500992012123277	10	131.0	11%	2.0	0.4	5.3	8.6	10.8	11.3	-1.2	0.6	7	-54	0.0	2.4	0	0	1500992011112187	
122402	1500992012122402	1	145.8	20%	30%	1.0	0.2	5.0	11.4	13.7	12.1	0.6	2.6	-2	-90	0.5	5.0	-1	0	1500992009092378
122413	1500992012122413	1	138.6	15%	26%	0.7	0.5	6.7	11.3	14.8	15.3	-0.3	1.3	8	-80	0.1	2.3	0	0	1500992009092378
122421	1500992012122421	1	140.7	15%	23%	1.1	0.4	6.6	12.0	14.0	14.4	-0.6	2.2	-5	-47	0.5	4.0	1	1	1500992009092378
122422	1500992012122422	2	136.6	14%	26%	1.2	0.4	5.4	10.6	12.9	13.0	-0.2	1.6	-5	-64	0.3	2.9	1	0	1500992009092378
123092	1500992012123092	2	136.6	16%	15%	0.4	0.4	7.1	11.7	13.0	14.3	-0.3	1.2	10	-19	-0.4	4.3	2	3	1500992011112121
130004	1500992013130004	2	136.7	14%	11%	-0.1	0.7	8.5	13.5	15.7	17.2	-1.0	0.2	21	-38	0.2	3.0	0	0	1500992011112928
130109	1500992013130109	4	134.6	13%	29%	0.5	0.6	7.2	12.6	13.8	13.2	-0.8	0.1	9	-49	0.1	3.8	-2	-1	1500992011110667
130170	1500992013130170	15	130.6	14%	7%	-0.3	0.4	5.7	10.0	11.4	13.1	-0.7	0.8	8	-30	-0.2	2.4	1	0	1500992011112928
130179	1500992013130179	10	133.3	16%	19%	1.7	0.6	7.2	11.4	12.1	13.0	-1.4	-0.5	-7	-12	-0.3	4.0	0	-1	1500992011112187
130230	1500992013130230	1	138.3	18%	23%	1.4	0.6	6.8	11.7	12.5	13.3	-0.6	0.6	8	-10	-0.3	3.7	-1	0	1500992011112187
130298	1500992013130298	2	136.4	18%	22%	1.3	0.3	6.8	12.2	13.9	15.0	-0.7	-0.2	-6	-8	-0.2	4.9	0	0	1500392005050756
130318	1500992013130318	3	136.0	19%	12%	-0.5	0.5	7.4	12.6	15.3	16.9	-1.0	0.1	9	-21	0.0	3.6	2	2	1500992011112928
130358	1500992013130358	1	139.2	19%	27%	1.6	0.7	6.6	11.0	11.6	11.9	-0.1	1.2	0	-12	-0.4	3.2	0	-1	1500992011112187
130364	1500992013130364	15	129.5	10%	10%	0.6	0.4	7.1	11.0	12.3	13.8	-1.2	0.4	1	-16	-0.4	2.4	0	0	1500992011111376
130407	1500992013130407	5	134.3	16%	13%	-0.3	0.6	7.5	12.4	14.2	15.4	-1.3	0.1	1	-38	0.0	3.1	-1	0	1500992011112928
130603	1500992013130603	10	131.5	8%	15%	1.8	0.6	7.7	12.2	12.9	15.1	-1.4	-0.2	3	-26	-0.4	4.6	1	-1	1500992011112187
130707	1500992013130707	10	131.1	13%	19%	1.6	0.6	7.4	10.9	12.2	14.0	-1.4	-0.3	7	9	-0.4	3.4	-5	-4	1500992011112187
130728	1500992013130728	1	138.3	15%	22%	1.9	0.6	7.4	11.9	12.1	14.0	0.3	1.1	4	-6	-0.4	4.2	0	-1	1500992011112187
130866	1500992013130866	1	140.0	18%	13%	1.7	0.6	7.5	11.5	11.3	12.4	-1.2	0.8	4	-32	-0.3	3.9	-2	-1	1500992011112187
130954	1500992013130954	3	135.9	15%	23%	1.4	0.6	8.3	12.3	15.7	17.4	-1.3	-0.4	1	-49	0.4	3.9	-1	-2	1500992012121692
130997	1500992013130997	1	142.0	14%	19%	1.3	0.6	9.8	14.4	16.3	17.2	-1.2	0.9	3	-38	-0.1	4.5	-2	-1	1500992012121317
132119	1500992013132119	1	140.8	18%	19%	0.4	0.6	8.3	13.5	16.4	15.7	-1.2	0.1	6	-68	0.3	3.4	-2	0	1500992009092378
132221	1500992013132221	10	133.4	13%	15%	0.3	0.4	6.2	10.2	13.4	12.8	-0.9	1.3	25	-33	0.1	3.2	0	1	1500992011112162
132564	1500992013132564	2	137.8	7%	16%	-0.2	0.4	7.4	12.5	13.7	13.3	1.2	3.5	-3	-75	0.2	3.4	-1	1	1500992012122104
132571	1500992013132571	2	137.4	14%	12%	0.9	0.5	6.9	11.9	14.5	14.3	-0.2	1.0	14	-50	0.0	3.9	1	-1	1500992010101631
132609	1500992013132609	10	133.5	14%	16%	1.4	0.4	5.6	9.1	7.6	9.6	-0.5	1.2	-5	-48	-0.3	2.4	0	0	1500992011112187
132621	1500992013132621	30	126.0	14%	12%	-0.2	0.3	6.0	9.1	12.0	12.4	-0.6	-0.2	5	-12	0.0	3.6	0	0	1500992011110982
132685	1500992013132685	1	141.6	20%	20%	1.8	0.2	4.3	9.9	12.9	12.9	1.9	2.0	4	-48	0.4	5.2	2	0	1500992010101631
132686	1500992013132686	4	134.4	18%	17%	1.7	0.3	4.9	9.5	12.1	12.3	0.5	0.5	-3	-25	0.4	4.4	1	-1	1500992010101631
133399	1500992013133399	25	126.5	14%	17%	0.0	0.2	3.4	8.0	11.0	10.8	0.9	0.2	-3	-68	0.7	2.1	0	0	1500992011110982
133480	1500992013133480	1	145.2	22%	20%	-0.1	0.7	9.2	15.3	17.3	17.4	-0.8	0.6	17	-16	-0.1	5.3	-4	-2	1500992011113023
071699	SI44742007071699	10	131.3	15%	5%	-0.9	0.4	8.3	11.2	12.9	12.8	-0.1	0.0	16	-35	-0.4	3.2	1	1	SI44742006061285
AVERAGE		3	136.1	16%	18%	0.8	0.5	6.8	11.3	13.2	13.8	-0.6	0.7	4	-38	0.0	3.6	0	0	



SELF REPLACING RAM SALE



SELF REPLACING EWE SALE THURSDAY 3RD OF DECEMBER

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