Cashmore Oaklea
Performance Maternals

EBV =>$$$

14th Annual Performance Maternal & Terminal

RAM SALE

Friday, October 23rd. 2009

12 noon EST at the Hamilton Showgrounds Ram Pavilion

 # 90 Specially selected elite Rams

 # 195 selected Coopworth &
Performance Maternal Rams

 # 50 Poll Dorset & White Suffolk Terminal Rams

 # 10 Cashmore Nudie Rams

All Maternal rams in top 30 percent

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Industry Leading self replacing systems

Fast Growth Rates

Outstanding tolerance to internal parasites

Commercial Ewes

High numbers of lambs weaned

3% rebate to outside agents introducing clients prior to sale; further details from

Tim Jewell
Mobile 0429 390 033
Tel (03) 5521 7221

Andrew Gunn
Mobile 0408 357 876
Tel (03) 5571 9907

LANDMARK look to us

Elders

Cashmore Park and **Oaklea** welcome you to our sale. We believe that the genes offered on sale here today will increase production and profit in your prime lamb flock.

This year we are offering 285 Performance Maternal and Coopworth rams, with many in the top 30 percentile on Coopworth index. This is a great outcome of which we are very proud. Our extensive artificial insemination, embryo transfer and expanding seedstock flock is allowing growth in supply and also in performance. The rams are from a diverse background with low inbreeding coefficients and 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 Coopworth $ index. If this is how you select animals use this page. The second has additional information that is requested from buyers on a regular basis. Please let us know if there is anything further we could supply.
The value of maternal sires cannot be underestimated with recent trial results highlighting a $ 50 per ewe per year difference between the daughters of top and lesser rams. If a ram leaves 100 daughters in a 3 year working life and you keep them for 5 joinings, your maternal ram purchase could effectively be a $25,000 decision. Please consider this carefully, as maternal rams are an excellent capital investment.
Terminal sires have again been allowed to run up an internal parasite burden and PWEC ASBV's are provided. The new Lamb 2020 index has been well received by industry and low birth weight and low WEC rams are in keen demand.
In many conversations now the topic "what is the value of XB wool" is bought forward. This has seen us offer 10 Cashmore Nudies, easy care non shearing rams.
We wish you all the best with your purchases.

VENDORS:

Cashmore Park
John and Brigita Keiller, 114 Wilmots Rd, Cashmore, VIC, 3305
Ph: (03) 55236936, Mobile : 0409 804 638, Fax (03) 55265390, Office (03) 55265248
cashmorepark@bordernet.com.au
www.coopworth.org.au/cashmorepark/

Oaklea
Don and Anne Pegler, PO Box 1018, Mt Gambier, SA, 5290
Ph: (08) 87389291, Mobile 0417 851 466
pegler4@bigpond.com
www.oaklea.com.au

HEALTH: Rams have been vaccinated with Gudair vaccine to supply approved vaccinates.

OAKLEA	APPROVED OJD VACCINATES	6	POINTS
CASHMORE PARK	APPROVED OJD VACCINATES	4	POINTS

Please note that a cross border agreement exists for sheep purchased from the Glenelg Shire and entering SA flocks which do not cause a reduction of ABC points in the SA flock.
Health statements will be available on the day of the sale.
Ovine Brucellosis Free Accredited Flock # 3353
Rams have full 5 in 1 Vaccination histories.

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

RUN DATE: EBV's have been generated from the 15/9/2009 Terminal and 15/9/2009 Coopworth data sets.

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. This is our guarantee that the genes we supply to you will improve each year. In the past 6 years, this has averaged 3.4 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 customers, much faster.

MATERNAL COMPOSITES: Cashmore Oaklea have taken Maternal composite genetics to a new level with a gene sourcing program which has resulted in the best families of the following breeds:
Coopworth, East Friesian, Finn, Border Leicester, SAMM 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.

POLL DORSETS / TERMINAL COMPOSITES: Cashmore Park has been involved in the formation of Terminal Composites since 1992 when USA Suffolks were infused into the Poll Dorset flock. From 1994, the best Texel, White Suffolk and Poll Dorset genes available were sourced from LAMBPLAN ASBV's and the Terminal Central Progeny Test and used via AI. The composite terminals are run with the Poll Dorsets and we believe show better hardiness under southern pasture systems.

EARLY LAMBING FLOCKS (ie JUNE): A number of producers have again approached us with specific requirements for early lambing genes. This is a requirement where the seasonal pattern of pasture growth is earlier and perhaps shorter than that experienced in higher rainfall southern areas. A number of considerations are needed to achieve a correct balance of genes in these systems.
First is seasonality of breeding. June lambing will require a percentage of "pink nose" in the mix as these breeds show a wider breeding season. It is our belief the resulting progeny of the rams will need 25 to 50 % Merino, East F, Finn, Poll D or SAMM. Growth can then be tailored to a sucker or feeder lamb production system.

HOW TO USE THIS CATALOGUE

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. Contact the breeder, Lambplan or search http://www.sheepgenetics.org.au/lambplan/ for an update.
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 Coopworth $ index point returns $1 per ewe mated. For Terminals each 2020 index point returns $1 per lamb. Best used as a guide to asses where rams are relative to contemporaries.
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.
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 rams with negative or low figures for maiden ewes.
WWT	Weaning weight at 100 days.(kg) Fast early growth. Keep this high for lambs suckers 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.
PWEC	Post weaning worm egg count, expressed as a %, the more negative the more tolerant/resistant to worms.
PSC	Post weaning scrotal circumference. (cm) Rams with large testis have daughters with earlier puberty that also have more lambs.
Dam Age	Rams born to ewe lambs, 1 year olds "may have" earlier puberty. Use in combination with PSC.

page 4		ELITE PERFORMANCE MATERNALS																
		percent						PWWT					YGFW		DAM		
LOT	ID	band	Index	NLW	MILK	BWT	WWT		YWT	AWT	PFAT	PEMD	%	PWEC	PSC	AGE	LOT
1	1500992008080803	1%	134	10%	1.4	0.6	7.7	11.7	12.3	14.9	-0.2	1.1	5	-2	3.2	1	1
2	1500992008080536	1%	133	13%	1.8	0.6	8.4	11.6	12.1	17.3	-0.6	-0.2	-5	-3	3.0	2	2
3	1500992008080863	1%	133	13%	1.2	0.5	6.9	11.3	12.9	16.0	-0.7	0.2	0	0	3.1	1	3
4	1500992008080826	1%	132	9%	1.5	0.5	7.6	11.7	11.7	13.9	-0.2	0.7	0	-16	3.4	1	4
5	1500992008080571	1%	132	10%	1.7	0.5	7.3	11.2	12.7	14.6	-0.5	0.7	-19	1	3.8	3	5
6	1500992008081838	1%	132	10%	1.1	0.6	7.5	11.2	11.8	15.0	-0.7	0.7	-6	35	3.5	3	6
7	1500992008080825	1%	131	10%	1.5	0.4	7.1	10.9	10.8	12.7	-0.5	0.7	-2	2	3.6	1	7
8	1500992008081550	1%	131	10%	1.5	0.6	7.1	10.7	10.1	12.7	-0.2	0.5	0	11	2.9	2	8
9	1500992008080859	1%	131	13%	1.2	0.4	6.3	9.3	9.4	11.8	0.3	0.8	2	-4	2.7	1	9
10	1500992008080340	1%	131	16%	0.7	0.3	5.9	9.6	11.3	13.4	-0.2	0.1	3	10	4.3	2	10
11	1500992008081507	1%	131	7%	1.8	0.5	7.3	11.8	11.7	13.9	0.3	1.1	-18	18	2.7	4	11
12	1500992008080913	1%	130	11%	1.9	0.5	8.1	11.3	12.5	16.3	-0.7	-0.6	-5	29	3.3	1	12
13	1500992008080086	1%	130	7%	1.9	0.5	8.6	12.1	13.4	16.9	-0.9	-0.3	1	-11	3.5	2	13
14	1500992008080492	1%	130	10%	2.1	0.4	7.0	10.6	11.7	15.0	-0.6	0.0	-15	9	2.5	2	14
15	1500992008080148	1%	130	16%	0.1	0.3	6.3	10.2	13.5	16.5	-0.2	-0.2	-11	15	5.3	2	15
16	1500992008080431	1%	130	13%	0.7	0.2	5.3	8.0	8.8	10.7	-0.2	1.4	-6	-14	3.2	4	16
17	1500992008081280	1%	130	7%	2.2	0.5	7.5	11.5	10.5	14.2	-0.6	0.4	-11	5	2.9	4	17
18	1500992008081299	1%	130	9%	1.1	0.6	7.3	11.3	12.7	15.0	-0.2	0.6	-11	43	3.1	3	18
19	1500992008080851	2%	129	10%	0.7	0.4	6.0	8.7	8.8	10.6	-0.2	1.6	-5	-15	2.9	1	19
20	1500992008080865	2%	129	15%	-0.3	0.4	4.5	8.7	9.7	10.8	-0.1	1.1	-6	-29	3.4	1	20
21	1500992008080134	2%	129	15%	1.2	0.3	4.6	7.5	6.8	9.6	0.1	1.0	-8	-16	2.4	4	21
22	1500992008081310	2%	129	10%	1.2	0.3	6.0	8.5	9.3	10.2	0.0	1.7	-2	-14	3.2	4	22
23	1500992008081715	2%	129	13%	0.2	0.5	6.5	8.8	10.6	12.8	0.2	1.1	3	-3	2.4	2	23
24	1500992008080299	2%	128	9%	1.0	0.3	6.8	10.2	11.9	15.1	-0.4	0.5	3	5	3.1	3	24
25	1500992008080188	2%	128	11%	0.7	0.3	6.2	9.3	10.2	13.6	-0.3	0.7	-6	-21	2.6	3	25
26	1500992008080098	2%	128	11%	0.7	0.5	7.2	9.8	10.7	14.4	-0.9	0.5	-21	20	2.8	3	26
27	1500992008080430	2%	128	11%	0.7	0.2	5.8	8.7	9.1	11.9	-0.2	1.1	-3	-26	2.2	4	27
28	1500992008080783	2%	128	12%	0.9	0.5	6.9	10.1	11.5	13.7	-0.6	-0.3	-14	35	3.8	2	28
	Decile	50%	113	5%	0.6	0.2	3.5	5.1	5.9	6.6	-0.1	0.1	2	4	1.7		
	Shaded box top 5%, Bold type top 10 % of Coopworth Percentile																

page 5			ELITE PERFORMANCE MATERNALS											
LOT	ID	CP	EF	BL	RM	FN	SM	PD	TX	WS	SIRE	PURCHASER	PRICE	LOT
1	1500992008080803	57	17					21	3	2	1500392006060655			1
2	1500992008080536	60	13	3				16	6	2	1500992007071078			2
3	1500992008080863	55	14				3	9	3	16	1500392006060655			3
4	1500992008080826	48	19					28	3	2	1500392006060655			4
5	1500992008080571	64	7					26	2	1	1500992007071078			5
6	1500992008081838	21	3	8				26	13	29	2350032006060202			6
7	1500992008080825	48	19					28	3	2	1500392006060655			7
8	1500992008081550	57	10	2				25	4	2	1500392006060708			8
9	1500992008080859	57	23					15	3	2	1500392006060655			9
10	1500992008080340	30	8	1	12			15	2	32	2350032006060026			10
11	1500992008081507	34	8	2				50	5	1	1500392006060708			11
12	1500992008080913	59	9	1				3	3	25	1500992007070252			12
13	1500992008080086	52	15		12			16	3	2	1500992007071078			13
14	1500992008080492	58	6	1				28	5	2	1500392006060708			14
15	1500992008080148	43	3	3	25			21	3	2	1500392006060794			15
16	1500992008080431	44	16	1		1		13	5	20	1500992007071928			16
17	1500992008081280	45	13	3				28	8	3	1500392006060708			17
18	1500992008081299	30	12	2				13	13	30	2350032006060202			18
19	1500992008080851	54	18					22	3	3	1500392006060655			19
20	1500992008080865	49	19					3	4	25	1500392006060655			20
21	1500992008080134	43	12	4				12	9	20	1500992007071928			21
22	1500992008081310	41	9					28	5	17	2350032006060077			22
23	1500992008081715	50						25	3	22	2350032006060077			23
24	1500992008080299	57	9					29	4	1	1500992007071078			24
25	1500992008080188	45	17	1				13	2	22	1500992007071928			25
26	1500992008080098	30	3					15	2	50	2300262005050549			26
27	1500992008080430	44	16	1		1		13	5	20	1500992007071928			27
28	1500992008080783	43	2					3	2	50	2300262005050549			28

page 6		ELITE PERFORMANCE MATERNALS															
		percent						PWWT					YGFW		DAM		
LOT	ID	band	Index	NLW	MILK	BWT	WWT		YWT	AWT	PFAT	PEMD	%	PWEC	PSC	AGE	LOT
29	1500992008080714	2%	**128**	8%	1.2	0.4	**6.4**	**9.5**	**10.5**	**14.1**	-0.3	0.9	5	5	**3.9**	3	**29**
30	**1500992008080347**	2%	**128**	**11%**	**1.5**	0.2	**5.7**	**9.7**	**10.8**	**12.4**	**-0.6**	-0.1	-17	32	**3.7**	2	**30**
31	1500992008081142	2%	**128**	**11%**	**1.6**	0.5	**7.0**	**11.3**	**11.1**	**15.6**	**-0.7**	-1.1	-11	9	2.5	4	**31**
32	**1500992008081450**	2%	**128**	**13%**	1.1	0.5	**7.1**	7.8	**9.8**	**13.6**	-0.2	0.8	-8	**-27**	2.5	4	**32**
33	1500992008080028	3%	**128**	**13%**	0.6	0.5	**6.9**	**9.5**	**9.9**	**13.0**	-0.5	0.3	-23	-5	**3.0**	3	**33**
34	**1500992008080255**	3%	**128**	**12%**	0.9	0.2	5.0	**9.9**	**12.4**	**14.9**	-0.1	0.1	-7	1	**3.4**	2	**34**
35	1500992008080770	3%	**128**	6%	**1.9**	0.3	**7.5**	**10.4**	**10.6**	**13.9**	**-0.7**	0.2	6	13	2.9	2	**35**
36	**1500992008081230**	3%	**128**	**11%**	0.5	0.3	5.4	**9.2**	**9.6**	**11.8**	-0.3	0.7	0	10	**3.8**	3	**36**
37	1500992008080713	3%	**127**	8%	1.2	0.4	**6.5**	**9.6**	**10.2**	**13.9**	-0.1	0.9	2	-5	**3.6**	3	**37**
38	**1500992008080157**	3%	**127**	**15%**	0.3	0.3	**5.6**	8.2	**10.1**	**12.3**	-0.2	0.4	-11	12	**4.3**	4	**38**
39	1500992008080612	3%	**127**	**10%**	**1.6**	0.3	5.1	**8.4**	8.8	10.8	0.0	0.9	-12	**-29**	2.5	2	**39**
40	**1500992008080399**	3%	**127**	**13%**	0.6	0.4	**6.4**	**9.4**	**9.8**	**13.7**	**-0.6**	0.0	-7	-16	**3.6**	5	**40**
41	1500992008080945	3%	**127**	**11%**	0.8	0.5	**6.5**	**9.1**	9.1	11.0	-0.4	0.5	-20	-12	2.8	1	**41**
42	**1500992008080696**	3%	**127**	6%	**2.0**	0.5	**7.1**	**10.9**	**11.4**	**13.6**	-0.5	-0.1	-8	29	2.5	2	**42**
43	1500992008080602	3%	**127**	**10%**	0.8	0.6	**7.6**	**11.5**	**12.5**	**13.5**	**-0.6**	-0.7	-21	6	**4.2**	2	**43**
44	**1500992008080917**	3%	**127**	**11%**	0.9	0.5	5.4	7.6	8.0	9.3	-0.3	**1.3**	-5	-10	2.4	1	**44**
45	1500992008080776	3%	**127**	7%	**1.5**	0.6	**7.4**	**10.4**	**12.2**	**15.0**	**-1.2**	-0.3	-1	-4	**3.1**	3	**45**
46	**1500992008080346**	3%	**127**	**11%**	**1.5**	0.3	**6.1**	**10.1**	**11.5**	**13.6**	**-0.8**	-0.7	-13	28	**3.4**	2	**46**
47	1500992008080259	3%	**127**	8%	**1.9**	0.4	**6.6**	**10.2**	**10.3**	**12.9**	-0.5	-0.3	-11	13	2.3	3	**47**
48	**1500992008080942**	3%	**127**	**12%**	0.4	0.4	5.1	**8.3**	9.0	10.5	-0.2	0.8	-9	2	2.5	1	**48**
49	1500992008081389	3%	**127**	9%	**1.8**	0.4	**6.4**	**10.3**	**10.6**	**15.0**	-0.1	-0.4	-10	-6	2.1	4	**49**
50	**1500992008081609**	3%	**127**	**13%**	0.8	0.6	**6.9**	**9.8**	**11.3**	**14.2**	-0.5	-0.7	2	-5	**3.0**	2	**50**
51	1500992008081710	3%	**127**	**11%**	0.8	0.4	**5.6**	8.1	**11.0**	11.2	0.6	**1.2**	9	46	2.7	2	**51**
52	**1500992008080320**	4%	**127**	**11%**	0.9	0.3	5.5	**9.5**	**10.1**	**12.7**	-0.3	0.2	-16	**-28**	**3.6**	5	**52**
53	1500992008080692	4%	**127**	9%	0.6	0.4	**6.2**	**9.3**	9.2	**11.4**	0.1	**1.0**	-28	-13	**3.1**	2	**53**
54	**1500992008081781**	4%	**127**	**14%**	1.4	0.3	4.7	8.2	8.9	**11.5**	-0.1	-0.2	-2	**-26**	2.4	2	**54**
55	1500992008081920	4%	**127**	**12%**	0.9	0.4	5.5	**9.2**	**11.1**	**12.5**	-0.5	-0.3	0	7	**3.7**	1	**55**
56	**1500992008080254**	4%	**126**	**12%**	0.9	0.2	5.1	**9.1**	**10.9**	**12.9**	0.1	0.2	-14	10	**3.4**	2	**56**
	Decile	50%	113	5%	0.6	0.2	3.5	5.1	5.9	6.6	-0.1	0.1	2	4	1.7		
	Shaded box top 5%, Bold type top 10 % of Coopworth Percentile																

page 7			ELITE PERFORMANCE MATERNALS											
LOT	ID	CP	EF	BL	RM	FN	SM	PD	TX	WS	SIRE	PURCHASER	PRICE	LOT
29	1500992008080714	42	7	6	12			28	3	2	**1500992007071211**			**29**
30	**1500992008080347**	49	18	3				24	4	2	**1500392005050756**			**30**
31	1500992008081142	53	9	3		1		26	7	1	**1500392006060708**			**31**
32	**1500992008081450**	44	3	3				26	8	16	**2350032006060077**			**32**
33	1500992008080028	32	3	3				6	6	50	**2300262005050549**			**33**
34	**1500992008080255**	52	20	3				19	5	1	**1500392005050756**			**34**
35	1500992008080770	52	13	12				17	4	2	**1500992007071078**			**35**
36	**1500992008081230**	33	13	2	25	12	4	6	4	1	**1500392006060680**			**36**
37	1500992008080713	42	7	6	12			28	3	2	**1500992007071211**			**37**
38	**1500992008080157**	36	8	2	25			25	3	1	**1500392006060794**			**38**
39	1500992008080612	38	18	4				12	7	21	**1500992007071928**			**39**
40	**1500992008080399**	30	12					20	6	32	**2350032006060026**			**40**
41	1500992008080945	50	20					3	2	25	**1500392006060655**			**41**
42	**1500992008080696**	46	9	2				32	7	4	**1500392006060708**			**42**
43	1500992008080602	34	6					9	1	50	**2300262005050549**			**43**
44	**1500992008080917**	51	20					8	3	18	**1500392006060655**			**44**
45	1500992008080776	32	10					19	6	33	**2350032006060026**			**45**
46	**1500992008080346**	49	18	3				24	4	2	**1500392005050756**			**46**
47	1500992008080259	44	9	3				33	8	3	**1500392006060708**			**47**
48	**1500992008080942**	52	17					3	3	25	**1500392006060655**			**48**
49	1500992008081389	45	16	2				28	6	3	**1500392006060708**			**49**
50	**1500992008081609**	64	7					7	4	18	**1500992007072454**			**50**
51	1500992008081710	47	3					28	5	17	**2350032006060077**			**51**
52	**1500992008080320**	26	15					6	3	50	**2300262005050549**			**52**
53	1500992008080692	26	7					15	2	50	**2300262005050549**			**53**
54	**1500992008081781**	51	13	4		1		26	4	1	**1500392006060708**			**54**
55	1500992008081920	50	15	2	25			3	4	1	**1500392006060680**			**55**
56	**1500992008080254**	52	20	3				19	5	1	**1500392005050756**			**56**

page 8		ELITE PERFORMANCE MATERNALS																
		percent						PWWT					YGFW		DAM		
LOT	ID	band	Index	NLW	MILK	BWT	WWT		YWT	AWT	PFAT	PEMD	%	PWEC	PSC	AGE	LOT
57	1500992008080525	4%	**126**	**11%**	1.1	0.5	**6.3**	**8.7**	**10.2**	11.1	**-0.8**	0.0	-5	-17	**3.6**	4	**57**
58	**1500992008080493**	4%	**126**	9%	1.2	0.4	**5.8**	8.0	8.6	**11.9**	0.0	**1.3**	-15	-9	2.5	2	**58**
59	1500992008080103	4%	**126**	7%	**1.5**	0.5	**6.8**	**10.4**	**10.1**	**13.2**	-0.2	0.0	2	5	2.0	6	**59**
60	**1500992008080930**	4%	**126**	**11%**	0.7	0.6	**6.4**	**9.2**	8.9	10.3	-0.3	0.4	-17	**-20**	2.7	1	**60**
61	1500992008080420	4%	**126**	6%	**1.8**	0.4	**6.2**	**10.2**	**11.0**	**13.1**	0.0	0.3	-5	2	**3.1**	4	**61**
62	**1500992008080296**	4%	**126**	5%	1.4	0.4	**8.1**	**11.3**	**12.4**	**15.7**	**-1.0**	-0.3	3	41	2.9	3	**62**
63	1500992008080107	4%	**126**	5%	**2.2**	0.2	5.3	**8.9**	8.9	11.1	-0.5	0.8	0	-15	2.3	5	**63**
64	**1500992008080372**	4%	**126**	**12%**	1.2	0.5	**6.4**	**9.4**	**10.1**	**12.4**	**-0.8**	-0.7	-19	30	**3.1**	3	**64**
65	1500992008080052	4%	**126**	7%	**1.6**	0.4	**6.5**	**9.7**	**9.8**	**11.9**	-0.2	0.3	-6	18	1.9	4	**65**
66	**1500992008080220**	5%	**126**	8%	**2.0**	0.5	**6.5**	**10.0**	**11.0**	**15.1**	**-0.6**	-0.6	-7	-13	2.3	4	**66**
67	1500992008080916	5%	**126**	**10%**	1.2	0.5	**6.2**	**10.4**	**12.4**	**14.8**	-0.3	-0.6	-3	-3	**3.4**	1	**67**
68	**1500992008080371**	5%	**126**	**11%**	1.2	0.6	**7.5**	**10.1**	**10.7**	**13.7**	**-1.0**	-1.0	-14	31	2.5	3	**68**
69	1500992008080918	5%	**126**	**11%**	0.9	0.5	5.1	7.0	6.5	7.3	0.2	**1.5**	-12	-12	2.1	1	**69**
70	**1500992008080066**	5%	**126**	**11%**	0.7	0.4	**5.9**	**8.5**	8.6	10.2	-0.2	0.5	-22	26	2.9	4	**70**
71	1500992008080749	5%	**126**	7%	1.3	0.2	5.1	**9.2**	**9.4**	**11.4**	0.3	0.8	-3	0	**3.0**	2	**71**
72	**1500992008080287**	5%	**126**	**10%**	1.3	0.4	**6.2**	**10.4**	**10.8**	**15.2**	-0.5	-1.0	-3	15	**3.1**	5	**72**
73	1500992008080050	5%	**126**	**10%**	0.5	0.3	5.5	**9.2**	**11.0**	**12.4**	0.0	0.4	-8	45	**4.1**	2	**73**
74	**1500992008080478**	5%	**126**	9%	1.4	0.6	**5.9**	**8.9**	8.4	**12.6**	**-0.7**	0.0	-4	9	2.5	7	**74**
75	1500992008080549	5%	**126**	6%	**1.6**	0.4	**7.1**	**10.2**	**10.6**	**13.7**	**-0.8**	-0.2	1	-1	**3.2**	7	**75**
76	**1500992008081546**	5%	**126**	6%	**1.7**	0.3	**6.4**	**10.1**	**10.4**	**12.6**	-0.1	0.3	-13	-3	2.2	3	**76**
77	1500992008081697	5%	**126**	**10%**	1.1	0.4	5.5	7.2	**10.6**	10.8	0.5	**1.4**	5	47	2.2	2	**77**
78	**1500992008080062**	5%	**125**	**13%**	0.7	0.3	4.7	7.2	7.7	9.5	-0.2	0.9	-24	4	**3.3**	5	**78**
79	1500992008080726	5%	**125**	6%	**1.5**	0.2	5.4	**9.4**	**9.9**	**11.6**	0.1	0.7	-3	8	2.4	3	**79**
80	**1500992008080109**	5%	**125**	5%	**2.1**	0.4	**6.3**	**9.4**	**10.0**	**11.9**	**-0.8**	0.3	-6	-13	2.5	3	**80**
81	1500992008081143	5%	**125**	**10%**	**1.5**	0.3	5.3	7.9	7.7	10.7	-0.4	0.4	-3	**-19**	2.6	4	**81**
82	**1500992008081625**	5%	**125**	**11%**	0.6	0.4	**5.7**	7.1	8.1	10.0	0.1	**1.2**	3	26	2.1	2	**82**
83	1500992008081955	5%	**125**	9%	**1.9**	0.2	**6.4**	7.9	9.3	**11.8**	0.0	0.4	-3	**-20**	**3.2**	1	**83**
	Decile	50%	113	5%	0.6	0.2	3.5	5.1	5.9	6.6	-0.1	0.1	2	4	1.7		
	Shaded box top 5%, Bold type top 10 % of Coopworth Percentile																

page 9			ELITE PERFORMANCE MATERNALS											
LOT	ID	CP	EF	BL	RM	FN	SM	PD	TX	WS	SIRE	PURCHASER	PRICE	LOT
57	1500992008080525	41	3				3	17	4	32	**2350032006060026**			**57**
58	**1500992008080493**	33	4	1				28	3	31	**2350032006060026**			**58**
59	1500992008080103	61	10					25	3	1	**1500392006060708**			**59**
60	**1500992008080930**	48	20					4	3	25	**1500392006060655**			**60**
61	1500992008080420	49	13				3	28	5	2	**1500392006060708**			**61**
62	**1500992008080296**	68	16	2				6	5	3	**1500392006060810**			**62**
63	1500992008080107	33	22	1				15	6	23	**1500992007071928**			**63**
64	**1500992008080372**	40	2					3	5	50	**2300262005050549**			**64**
65	1500992008080052	43	13					29	7	8	**1500392006060708**			**65**
66	**1500992008080220**	45	13	3				28	8	3	**1500392006060708**			**66**
67	1500992008080916	65	8	1					1	25	**1500992007070252**			**67**
68	**1500992008080371**	40	2					3	5	50	**2300262005050549**			**68**
69	1500992008080918	51	20					8	3	18	**1500392006060655**			**69**
70	**1500992008080066**	32	6				3	6	3	50	**2300262005050549**			**70**
71	1500992008080749	48	9	2				33	6	2	**1500392006060708**			**71**
72	**1500992008080287**	48	15	3				25	6	3	**1500392006060708**			**72**
73	1500992008080050	46	11	3	25			13	2		**1500392006060794**			**73**
74	**1500992008080478**	29	18					14	3	36	**2350032006060026**			**74**
75	1500992008080549	51	18					19	5	7	**1500992007071078**			**75**
76	**1500992008081546**	43	18	2				28	6	3	**1500392006060708**			**76**
77	1500992008081697	47	3					28	5	17	**2350032006060077**			**77**
78	**1500992008080062**	30	8					6	6	50	**2300262005050549**			**78**
79	1500992008080726	40	16	4				30	7	3	**1500392006060708**			**79**
80	**1500992008080109**	50	23					18	5	4	**1500992007071078**			**80**
81	1500992008081143	41	9					9	6	35	**2350032006060021**			**81**
82	**1500992008081625**	45	3	2				27	3	20	**2350032006060078**			**82**
83	1500992008081955	66	13	4				14	3		**1500992007071576**			**83**

page 10			ELITE PERFORMANCE COOPWORTH														
		percent						PWWT					YGFW		DAM		
LOT	ID	band	Index	NLW	MILK	BWT	WWT		YWT	AWT	PFAT	PEMD	%	PWEC	PSC	AGE	LOT
84	**1500992008080810**	2%	**128**	**12%**	0.7	0.4	**7.0**	**10.3**	**12.1**	**13.8**	**-0.7**	-0.3	-5	40	**4.6**	1	**84**
85	1500992008080504	3%	**128**	9%	**1.8**	0.4	**6.5**	**10.0**	**10.3**	**13.2**	-0.3	0.1	-7	**-21**	1.9	2	**85**
86	**1500992008080179**	3%	**127**	7%	**1.7**	0.3	**7.1**	**10.6**	**12.3**	**15.2**	-0.2	-0.1	**18**	-14	2.0	2	**86**
87	1500992008080861	4%	**126**	9%	1.0	0.5	**6.8**	**10.6**	**12.7**	**15.5**	-0.5	-0.3	-3	3	2.5	1	**87**
88	**1500992008081097**	4%	**126**	**11%**	0.4	0.5	**6.0**	**8.7**	**10.5**	**12.2**	**-0.9**	0.0	**16**	10	**3.1**	3	**88**
89	1500992008080001	5%	**126**	9%	1.4	0.2	5.4	**9.0**	**10.3**	11.0	**-0.6**	0.1	-8	22	**3.6**	3	**89**
90	**1500992008080415**	5%	**126**	7%	1.1	0.2	5.5	8.0	9.2	10.8	0.1	**1.4**	5	**-24**	**3.3**	2	**90**
91	1500992008080845	5%	**125**	**11%**	0.9	0.3	**5.7**	**9.1**	**10.1**	**11.7**	-0.1	0.0	-9	3	**3.8**	1	**91**
92	**1500992008080491**	5%	**125**	7%	**2.3**	0.5	**7.6**	**10.5**	**11.0**	**12.1**	**-0.6**	-0.7	-7	17	2.6	2	**92**
	Decile	50%	113	5%	0.6	0.2	3.5	5.1	5.9	6.6	-0.1	0.1	2	4	1.7		
	Shaded box top 5%, Bold type top 10 % of Coopworth Percentile																

page11			ELITE PERFORMANCE COOPWORTH											
LOT	**ID**	**CP**	**EF**	**BL**	**RM**	**FN**	**SM**	**PD**	**TX**	**WS**	**SIRE**	**PURCHASER**	**PRICE**	**LOT**
84	**1500992008080810**	COOPWORTH									**1500992007070252**			**84**
85	1500992008080504	COOPWORTH									**1500992007071078**			**85**
86	**1500992008080179**	COOPWORTH									**1500992007071078**			**86**
87	1500992008080861	COOPWORTH									**1500992007070252**			**87**
88	**1500992008081097**	COOPWORTH									**7503142001011243**			**88**
89	1500992008080001	COOPWORTH									**1500392005050756**			**89**
90	**1500992008080415**	COOPWORTH									**1500992007071928**			**90**
91	1500992008080845	COOPWORTH									**1500992007070252**			**91**
92	**1500992008080491**	COOPWORTH									**1500992007071078**			**92**

page 12		PERFORMANCE MATERNALS															
		percent						PWWT					YGFW		DAM		
LOT	ID	band	Index	NLW	MILK	BWT	WWT		YWT	AWT	PFAT	PEMD	%	PWEC	PSC	AGE	LOT
93	1500992008080358	10%	**125**	**14%**	0.0	0.4	5.5	7.9	**10.3**	**12.9**	-0.5	0.0	-7	23	**3.9**	2	**93**
94	**1500992008080153**	10%	**125**	**10%**	0.5	0.3	**6.4**	**9.4**	**10.0**	**12.5**	**-0.7**	-0.2	3	0	**3.7**	4	**94**
95	1500992008080303	10%	**125**	**11%**	0.8	**0.0**	4.7	**8.8**	**9.6**	**11.5**	0.0	0.3	-9	-15	**3.3**	3	**95**
96	**1500992008080862**	10%	**125**	**10%**	1.0	0.3	5.3	**8.3**	8.5	9.6	-0.1	0.7	-17	24	**3.2**	1	**96**
97	1500992008080036	10%	**125**	**13%**	0.9	**0.0**	3.2	6.8	7.4	8.0	0.4	0.9	-19	-12	**3.5**	4	**97**
98	**1500992008080680**	10%	**124**	**12%**	0.4	0.6	**6.7**	**8.6**	**10.6**	**14.3**	**-0.9**	-0.5	-1	2	**3.2**	2	**98**
99	1500992008080702	10%	**124**	**11%**	0.8	0.5	**5.8**	7.8	**9.8**	**13.7**	**-1.0**	-0.2	-7	-9	**3.0**	5	**99**
100	**1500992008080791**	10%	**124**	**11%**	0.3	0.5	**6.4**	**9.3**	**9.7**	**12.8**	-0.3	-0.1	-23	**-22**	2.7	4	**100**
101	1500992008080147	10%	**124**	**12%**	-0.3	0.3	**5.8**	**8.5**	**9.6**	**12.2**	-0.3	0.1	-3	11	**4.0**	2	**101**
102	**1500992008080761**	10%	**124**	**12%**	-0.3	0.4	**5.7**	7.5	8.2	11.3	-0.3	0.8	-14	-9	2.5	2	**102**
103	1500992008081005	10%	**124**	**14%**	0.1	0.4	5.2	7.2	**9.7**	**11.6**	**-0.7**	0.0	**22**	4	**3.0**	3	**103**
104	**1500992008081071**	10%	**125**	**13%**	0.9	0.4	**5.7**	**8.3**	**10.2**	**12.2**	-0.2	-0.6	**23**	7	2.8	3	**104**
105	1500992008081464	10%	**125**	**12%**	1.1	0.2	3.9	6.4	6.3	8.2	0.3	**1.1**	-12	**-21**	2.7	5	**105**
106	**1500992008082031**	10%	**125**	**12%**	1.4	0.4	**6.1**	**9.5**	**11.0**	**13.7**	**-0.6**	-1.3	3	-17	**3.1**	1	**106**
107	1500992008082036	10%	**124**	**12%**	0.7	0.5	5.4	7.8	**9.6**	**11.5**	**-0.8**	-0.2	11	8	**3.5**	1	**107**
108	**1500992008080756**	10%	**124**	9%	1.1	0.4	**6.4**	**8.9**	**10.0**	**14.2**	-0.5	-0.1	-4	**-31**	2.9	4	**108**
109	1500992008080194	10%	**124**	**10%**	0.1	0.2	5.4	8.0	7.7	10.5	0.4	**1.1**	-12	**-23**	2.4	2	**109**
110	**1500992008080638**	10%	**124**	9%	**1.5**	0.2	4.0	6.8	6.7	10.2	0.2	**1.0**	-7	**-38**	1.7	2	**110**
111	1500992008080887	10%	**124**	**11%**	0.1	0.4	**5.9**	7.6	7.7	9.2	0.0	0.8	-9	**-30**	2.9	1	**111**
112	**1500992008080800**	10%	**124**	9%	0.7	0.3	5.0	7.0	6.8	7.5	0.3	**1.4**	-3	**-25**	2.7	1	**112**
	Decile	50%	113	5%	0.6	0.2	3.5	5.1	5.9	6.6	-0.1	0.1	2	4	1.7		
	Shaded box top 5%, Bold type top 10 % of Coopworth Percentile																

page 13				PERFORMANCE MATERNALS										
LOT	ID	CP	EF	BL	RM	FN	SM	PD	TX	WS	SIRE	PURCHASER	PRICE	LOT
93	1500992008080358	44	3	2	37			13	1		**1500392006060794**			**93**
94	**1500992008080153**	46	15	2	25			6	4	2	**1500392006060794**			**94**
95	1500992008080303	50	22	2				14	9	3	**1500392005050756**			**95**
96	**1500992008080862**	57	3					13	2	25	**1500992007070252**			**96**
97	1500992008080036	43	18	2				28	7	2	**1500392005050756**			**97**
98	**1500992008080680**	31	13	2	25			25	1	3	**1500392006060794**			**98**
99	1500992008080702	29	7					23	8	33	**2350032006060026**			**99**
100	**1500992008080791**	35	5	3				3	4	50	**2300262005050549**			**100**
101	1500992008080147	61	7	2	25			2	2	1	**1500392006060794**			**101**
102	**1500992008080761**	17	2				4	42	4	31	**2350032006060026**			**102**
103	1500992008081005	53	12		25			6	3	1	**7503142001011243**			**103**
104	**1500992008081071**	55	12		25			3	4	1	**7503142001011243**			**104**
105	1500992008081464	38	9					12	7	34	**2350032006060021**			**105**
106	**1500992008082031**	57	11	3				25	3	1	**1500392006060708**			**106**
107	1500992008082036	69	3	2	25				1		**1500392006060680**			**107**
108	**1500992008080756**	37	8	2				17	5	31	**2350032006060026**			**108**
109	1500992008080194	29	2	3	12			2	2	50	**2300262005050549**			**109**
110	**1500992008080638**	39	11	4				18	7	21	**1500992007071928**			**110**
111	1500992008080887	53	16	1				3	2	25	**1500392006060655**			**111**
112	**1500992008080800**	56	23					15	3	3	**1500392006060655**			**112**

page 14		PERFORMANCE MATERNALS															
		percent						PWWT					YGFW		DAM		
LOT	ID	band	Index	NLW	MILK	BWT	WWT		YWT	AWT	PFAT	PEMD	%	PWEC	PSC	AGE	LOT
113	1500992008081141	10%	**124**	**10%**	**1.6**	0.5	**6.7**	**10.1**	**10.7**	**15.6**	**-0.8**	-1.6	-12	**-28**	1.9	4	**113**
114	**1500992008081151**	10%	**123**	8%	**1.7**	0.3	**5.6**	7.0	6.9	8.5	-0.5	0.6	-12	**-31**	**3.0**	5	**114**
115	1500992008081338	10%	**125**	**11%**	1.4	0.5	5.3	**8.3**	8.8	**11.7**	-0.2	-0.3	-8	**-43**	2.6	3	**115**
116	**1500992008081723**	10%	**124**	6%	**1.7**	0.5	**5.9**	7.8	**9.4**	**11.5**	**-0.8**	0.6	8	**-23**	1.4	2	**116**
117	1500992008081745	10%	**123**	7%	1.3	0.3	**5.8**	**8.5**	**10.9**	**13.9**	0.2	0.4	-7	**-50**	2.2	2	**117**
118	**1500992008080336**	10%	**124**	9%	0.6	0.5	**7.7**	**10.5**	**10.4**	**13.8**	**-1.1**	-1.1	-10	18	2.3	2	**118**
119	1500992008080781	10%	**124**	7%	0.7	0.5	**6.8**	**9.3**	**10.4**	**13.6**	**-0.7**	0.2	-19	9	2.8	4	**119**
120	**1500992008080545**	10%	**124**	7%	1.4	0.5	**6.7**	**9.7**	**10.0**	**13.0**	**-1.2**	-0.5	-1	42	**3.0**	5	**120**
121	1500992008080893	10%	**124**	8%	0.8	0.4	**6.6**	**9.4**	**9.5**	11.1	-0.5	-0.2	-7	20	**3.4**	1	**121**
122	**1500992008080567**	10%	**124**	6%	**1.5**	0.3	**6.5**	**9.5**	9.1	10.9	**-0.6**	0.2	-18	13	**3.7**	4	**122**
123	1500992008080519	10%	**125**	8%	0.8	0.3	5.4	**9.3**	**10.8**	**13.3**	0.0	0.6	-12	17	2.2	2	**123**
124	**1500992008080258**	10%	**125**	7%	**1.9**	0.4	**6.4**	**10.0**	**10.1**	**12.7**	-0.4	-0.4	-5	11	2.2	3	**124**
125	1500992008080815	10%	**125**	9%	1.2	0.4	**7.1**	**9.7**	**10.1**	**12.3**	**-0.6**	-0.4	-10	87	**3.1**	1	**125**
126	**1500992008080503**	10%	**125**	6%	**2.0**	0.3	**6.3**	**8.5**	8.9	11.1	**-0.7**	0.4	-12	-15	2.3	3	**126**
127	1500992008080576	10%	**125**	7%	1.1	0.2	5.1	**8.3**	7.8	10.2	0.3	**1.2**	-7	**-25**	2.4	3	**127**
128	**1500992008081080**	10%	**124**	7%	0.5	0.5	**6.6**	**10.0**	**12.7**	**14.6**	-0.5	-0.1	4	130	2.3	3	**128**
129	1500992008081171	10%	**124**	**11%**	0.8	0.4	**5.6**	**8.5**	**10.0**	**12.2**	**-0.7**	-0.1	-3	14	**3.2**	3	**129**
130	**1500992008081532**	10%	**124**	5%	0.6	0.3	**6.1**	**8.3**	**9.5**	10.6	0.3	**1.8**	-6	-7	**3.5**	4	**130**
131	1500992008081576	10%	**125**	4%	**2.1**	0.4	**6.1**	**10.4**	9.0	**11.7**	0.4	0.3	-6	0	2.2	5	**131**
132	**1500992008081698**	10%	**124**	8%	1.1	0.4	**5.8**	6.7	**10.0**	10.6	0.5	**1.6**	7	13	1.3	2	**132**
	Decile	50%	113	5%	0.6	0.2	3.5	5.1	5.9	6.6	-0.1	0.1	2	4	1.7		
	Shaded box top 5%, Bold type top 10 % of Coopworth Percentile																

page 15				PERFORMANCE MATERNALS										
LOT	ID	CP	EF	BL	RM	FN	SM	PD	TX	WS	SIRE	PURCHASER	PRICE	LOT
113	1500992008081141	53	9	3		1		26	7	1	**1500392006060708**			**113**
114	**1500992008081151**	31	12					14	8	35	**2350032006060021**			**114**
115	1500992008081338	36	7	7				6	6	38	**2350032006060021**			**115**
116	**1500992008081723**	31	8	11				25	3	22	**2350032006060077**			**116**
117	1500992008081745	58	8	2				25	5	2	**1500392006060708**			**117**
118	**1500992008080336**	40	6					21	3	30	**2350032006060026**			**118**
119	1500992008080781	42	8							50	**2300262005050549**			**119**
120	**1500992008080545**	26	15					20	6	33	**2350032006060026**			**120**
121	1500992008080893	55	8	3			3	3	3	25	**1500992007070038**			**121**
122	**1500992008080567**	26	15					6	3	50	**2300262005050549**			**122**
123	1500992008080519	33	13					50	3	1	**1500392006060708**			**123**
124	**1500992008080258**	44	9	3				33	8	3	**1500392006060708**			**124**
125	1500992008080815	63	3	1			3	2	3	25	**1500992007070038**			**125**
126	**1500992008080503**	34	21	1				18	4	22	**1500992007071928**			**126**
127	1500992008080576	41	15	1			3	13	5	22	**1500992007071928**			**127**
128	**1500992008081080**	79	3	3				13	2		**7500842004040742**			**128**
129	1500992008081171	48	8	4	25			13	2		**1500392006060680**			**129**
130	**1500992008081532**	30	2					50	5	13	**2350032006060078**			**130**
131	1500992008081576	40	13	18				25	3	1	**1500392006060708**			**131**
132	**1500992008081698**	47	3					28	5	17	**2350032006060077**			**132**

page 16		PERFORMANCE MATERNALS															
		percent						PWWT					YGFW		DAM		
LOT	ID	band	Index	NLW	MILK	BWT	WWT		YWT	AWT	PFAT	PEMD	%	PWEC	PSC	AGE	LOT
133	1500992008080518	10%	**124**	7%	0.8	0.3	5.1	**9.4**	**10.8**	**13.2**	0.1	0.4	-9	23	2.4	2	**133**
134	**1500992008080445**	10%	**124**	7%	1.3	0.3	5.4	**8.9**	**9.7**	**12.5**	0.2	0.5	-2	12	1.5	2	**134**
135	1500992008080920	10%	**124**	9%	0.8	0.3	4.7	**8.6**	9.3	**11.5**	0.0	0.3	-1	-15	2.1	1	**135**
136	**1500992008080064**	10%	**124**	9%	0.6	0.2	4.9	**8.7**	**9.4**	9.7	-0.4	0.2	-11	7	**3.8**	4	**136**
137	1500992008080058	10%	**124**	**10%**	**1.5**	0.1	3.8	5.6	6.0	8.5	0.5	**1.8**	-19	-1	1.8	4	**137**
138	**1500992008080085**	10%	**124**	3%	**2.4**	0.4	**6.8**	**10.6**	**12.7**	**14.6**	**-0.9**	-0.7	-1	17	2.9	3	**138**
139	1500992008080289	10%	**124**	9%	1.1	0.2	4.7	8.2	9.0	10.7	-0.4	0.1	-4	25	**3.3**	4	**139**
140	**1500992008080239**	10%	**124**	8%	1.4	0.4	4.9	8.0	8.0	9.8	0.4	0.6	-6	0	2.5	2	**140**
141	1500992008080711	10%	**124**	8%	**1.5**	0.1	4.6	7.5	8.3	9.3	0.4	**1.1**	-2	-4	2.5	2	**141**
142	**1500992008080566**	10%	**124**	9%	1.3	0.2	5.3	7.8	8.2	8.9	-0.4	0.4	-8	6	**3.0**	3	**142**
143	1500992008081320	10%	**125**	**11%**	0.5	0.3	5.3	7.7	6.7	7.6	0.1	0.9	-8	-8	2.8	7	**143**
144	**1500992008081353**	10%	**123**	**11%**	0.9	0.2	4.0	5.6	6.3	8.4	-0.3	**1.1**	-10	**-19**	2.0	4	**144**
145	1500992008081549	10%	**124**	9%	0.6	0.2	4.2	6.3	7.9	8.2	0.1	**1.6**	0	-10	2.4	3	**145**
146	**1500992008081929**	10%	**124**	9%	**1.6**	0.2	5.5	7.9	8.5	**11.6**	-0.2	0.2	-9	10	**3.0**	1	**146**
147	1500992008080828	10%	**123**	9%	0.6	0.5	**6.9**	**10.3**	**11.7**	**14.6**	**-0.7**	-1.1	-15	34	**3.3**	1	**147**
148	**1500992008080277**	10%	**123**	**15%**	-0.2	0.2	4.8	7.5	**10.2**	**11.4**	-0.3	-0.3	-8	-4	**4.7**	2	**148**
149	1500992008080780	10%	**123**	7%	1.0	0.3	5.5	**8.8**	9.3	11.2	0.1	0.5	-23	31	**3.3**	2	**149**
150	**1500992008080461**	10%	**124**	7%	**1.9**	0.3	**6.0**	**8.6**	8.5	10.8	-0.3	0.1	-2	43	2.3	7	**150**
151	1500992008080403	10%	**124**	9%	1.2	0.4	**5.7**	8.2	9.0	10.4	-0.2	0.5	-33	1	**3.3**	4	**151**
	Decile	50%	113	5%	0.6	0.2	3.5	5.1	5.9	6.6	-0.1	0.1	2	4	1.7		
	Shaded box top 5%, Bold type top 10 % of Coopworth Percentile																

page 17				PERFORMANCE MATERNALS										
LOT	ID	CP	EF	BL	RM	FN	SM	PD	TX	WS	SIRE	PURCHASER	PRICE	LOT
133	1500992008080518	33	13					50	3	1	**1500392006060708**			**133**
134	**1500992008080445**	42	9	1	12			28	5	3	**1500392006060708**			**134**
135	1500992008080920	57	8	1				3	6	25	**1500992007070252**			**135**
136	**1500992008080064**	56	18	2			3	12	7	2	**1500392005050756**			**136**
137	1500992008080058	38	7	1				32	3	19	**1500992007071928**			**137**
138	**1500992008080085**	44	11				3	31	8	3	**1500392006060708**			**138**
139	1500992008080289	61	17	2			3	8	6	3	**1500392005050756**			**139**
140	**1500992008080239**	42	5	7	12			28	5	1	**1500992007071211**			**140**
141	1500992008080711	42	11	1	12			27	4	3	**1500392006060708**			**141**
142	**1500992008080566**	67	15	2				6	9	1	**1500392005050756**			**142**
143	1500992008081320	49	12					13	7	19	**1500992007072454**			**143**
144	**1500992008081353**	43	9	10				13	5	20	**1500992007072456**			**144**
145	1500992008081549	39	8	3				25	8	17	**2350032006060077**			**145**
146	**1500992008081929**	63	11	10				14	2		**1500992007071576**			**146**
147	1500992008080828	50	4	2	12		3	2	2	25	**1500992007070038**			**147**
148	**1500992008080277**	43	16	3	25			8	3	2	**1500392006060794**			**148**
149	1500992008080780	24	8	1				15	2	50	**2300262005050549**			**149**
150	**1500992008080461**	66	18					13	2	1	**1500992007071078**			**150**
151	1500992008080403	21	6					23		50	**2300262005050549**			**151**

page 18		PERFORMANCE COOPWORTHS															
		percent						PWWT					YGFW		DAM		
LOT	ID	band	Index	NLW	MILK	BWT	WWT		YWT	AWT	PFAT	PEMD	%	PWEC	PSC	AGE	LOT
152	**1500992008080471**	10%	**125**	**11%**	0.5	0.4	**6.6**	**8.8**	**11.1**	**12.7**	**-0.8**	-0.3	-7	19	**4.3**	2	**152**
153	1500992008080247	10%	**124**	**17%**	0.1	0.4	4.6	7.5	**9.7**	11.3	-0.5	-0.7	-10	7	**4.2**	2	**153**
154	**1500992008080020**	10%	**123**	**15%**	0.6	0.4	**6.5**	**9.0**	**11.3**	**14.2**	**-0.8**	-1.8	-1	19	**4.4**	4	**154**
155	1500992008080090	10%	**124**	**13%**	0.1	0.2	4.3	7.5	9.3	**11.6**	-0.1	0.1	0	27	**4.0**	2	**155**
156	**1500992008080119**	10%	**123**	**13%**	1.3	0.1	4.0	7.1	7.7	9.9	-0.3	-0.4	-6	-5	2.4	3	**156**
157	1500992008080661	10%	**125**	**10%**	**1.5**	0.4	**6.3**	**8.8**	**11.5**	**12.3**	0.1	-0.4	5	12	**3.1**	2	**157**
158	**1500992008080700**	10%	**125**	9%	**1.7**	0.3	**5.7**	**9.3**	**10.5**	**14.8**	-0.1	-0.3	-1	8	2.4	2	**158**
159	1500992008080848	10%	**125**	9%	0.9	0.6	**6.9**	**9.9**	**10.7**	**12.8**	-0.5	-0.4	-10	36	2.4	1	**159**
160	**1500992008080204**	10%	**124**	**12%**	**1.5**	0.4	**6.6**	**9.1**	**11.8**	**15.7**	-0.1	-1.2	6	12	2.9	3	**160**
161	1500992008080849	10%	**124**	9%	0.9	0.5	**6.5**	**9.7**	**10.9**	**13.0**	-0.5	-0.4	-6	32	2.6	1	**161**
162	**1500992008080512**	10%	**124**	6%	**1.6**	0.2	**6.1**	**9.4**	**10.9**	**12.4**	-0.3	-0.1	-4	10	**3.2**	4	**162**
163	1500992008080290	10%	**124**	9%	1.1	0.2	5.2	**8.6**	**10.0**	**12.0**	**-0.6**	-0.3	2	11	**3.7**	4	**163**
164	**1500992008080588**	10%	**123**	8%	0.9	0.4	**6.5**	**9.0**	**11.5**	**11.8**	0.4	0.0	3	13	2.6	2	**164**
165	1500992008080589	10%	**123**	9%	0.9	0.3	5.2	7.7	**9.8**	8.8	0.7	0.8	0	47	**3.3**	2	**165**
166	**1500992008080019**	15%	123	**12%**	0.6	0.4	**6.1**	**8.3**	**9.8**	**12.7**	-0.5	-0.9	3	2	**3.7**	4	**166**
167	1500992008081092	10%	**124**	9%	1.0	0.4	**6.6**	**9.0**	**11.1**	**15.6**	**-0.6**	-0.7	**18**	**-42**	2.5	3	**167**
168	**1500992008081129**	10%	**124**	**11%**	0.4	0.5	**6.3**	**8.9**	**11.1**	**14.9**	**-1.1**	-0.8	1	8	**3.4**	3	**168**
169	1500992008081201	10%	**124**	9%	**1.8**	**0.0**	4.2	7.0	7.5	9.0	-0.2	0.5	1	11	2.7	5	**169**
170	**1500992008081394**	10%	**123**	**10%**	0.7	0.4	**6.0**	7.4	**9.4**	10.6	**-0.6**	0.3	-1	-4	2.7	4	**170**
	Decile	50%	113	5%	0.6	0.2	3.5	5.1	5.9	6.6	-0.1	0.1	2	4	1.7		
	Shaded box top 5%, Bold type top 10 % of Coopworth Percentile																

page 19				PERFORMANCE COOPWORTHS										
LOT	ID	CP	EF	BL	RM	FN	SM	PD	TX	WS	SIRE	PURCHASER	PRICE	LOT
152	**1500992008080471**	COOPWORTH									**1500392006060794**			**152**
153	1500992008080247	COOPWORTH									**1500392006060794**			**153**
154	**1500992008080020**	COOPWORTH									**1500392006060794**			**154**
155	1500992008080090	COOPWORTH									**1500392006060794**			**155**
156	**1500992008080119**	COOPWORTH									**1500392005050756**			**156**
157	1500992008080661	COOPWORTH									**1500392006060944**			**157**
158	**1500992008080700**	COOPWORTH									**1500392006060708**			**158**
159	1500992008080848	COOPWORTH									**1500992007070252**			**159**
160	**1500992008080204**	COOPWORTH									**1500392006060944**			**160**
161	1500992008080849	COOPWORTH									**1500992007070252**			**161**
162	**1500992008080512**	COOPWORTH									**1500992007071078**			**162**
163	1500992008080290	COOPWORTH									**1500392005050756**			**163**
164	**1500992008080588**	COOPWORTH									**1500392006060944**			**164**
165	1500992008080589	COOPWORTH									**1500392006060944**			**165**
166	**1500992008080019**	COOPWORTH									**1500392006060794**			**166**
167	1500992008081092	COOPWORTH									**7503142001011243**			**167**
168	**1500992008081129**	COOPWORTH									**1500392006060680**			**168**
169	1500992008081201	COOPWORTH									**1500992007071576**			**169**
170	**1500992008081394**	COOPWORTH									**1500992007072454**			**170**

page 20		PERFORMANCE COOPWORTHS															
		percent						PWWT					YGFW		DAM		
LOT	ID	band	Index	NLW	MILK	BWT	WWT		YWT	AWT	PFAT	PEMD	%	PWEC	PSC	AGE	LOT
171	1500992008080305	15%	122	**11%**	1.3	0.2	4.7	7.9	8.9	11.3	-0.3	-0.7	-8	-11	**3.1**	3	**171**
172	**1500992008080640**	15%	122	**10%**	1.2	0.3	5.2	7.6	**10.6**	11.1	0.3	0.1	0	51	**3.1**	2	**172**
173	1500992008080443	15%	122	9%	0.6	0.3	5.4	**8.8**	**11.7**	**13.9**	**-0.6**	-0.6	9	28	2.8	2	**173**
174	**1500992008080078**	15%	122	8%	1.4	0.4	**6.0**	**8.6**	**10.8**	**11.9**	0.0	-0.5	3	45	2.7	2	**174**
175	1500992008080454	15%	122	7%	**1.8**	0.3	**6.0**	**9.3**	**10.3**	11.3	**-1.3**	-1.4	-6	29	2.9	3	**175**
176	**1500992008080275**	15%	121	7%	1.2	0.2	5.0	**8.4**	**10.0**	10.7	-0.4	-0.3	-7	-10	**3.2**	2	**176**
177	1500992008081030	15%	122	**14%**	-1.0	0.4	4.9	7.9	**10.3**	**12.5**	**-0.7**	-0.5	9	3	2.3	3	**177**
178	**1500992008081658**	15%	122	**11%**	1.1	0.4	**6.8**	8.1	8.5	9.8	**-0.6**	-0.8	-5	-18	**3.0**	2	**178**
179	1500992008081013	15%	122	**12%**	0.6	0.4	5.3	6.8	7.6	11.1	**-0.8**	-0.5	**15**	**-45**	1.9	3	**179**
180	**1500992008081393**	15%	122	**10%**	0.7	0.3	5.5	7.1	9.2	10.1	-0.5	0.0	-4	9	2.9	4	**180**
181	1500992008081216	15%	123	7%	1.3	**0.0**	4.9	7.4	6.6	9.1	0.3	**1.0**	-5	5	2.7	5	**181**
182	**1500992008081587**	15%	122	6%	**1.8**	0.3	**6.2**	**9.3**	**12.0**	**13.7**	-0.2	-0.7	-6	27	2.2	2	**182**
183	1500992008081025	15%	122	7%	0.2	0.6	**7.0**	**10.4**	**11.7**	**14.0**	-0.5	-0.9	12	44	**3.5**	3	**183**
184	**1500992008081063**	15%	123	3%	0.9	0.4	**6.1**	**10.1**	**11.3**	**14.4**	-0.3	0.0	**26**	7	2.9	3	**184**
		PERFORMANCE MATERNALS															
		percent						PWWT					YGFW		DAM		
LOT	ID	band	Index	NLW	MILK	BWT	WWT		YWT	AWT	PFAT	PEMD	%	PWEC	PSC	AGE	LOT
185	1500992008080743	15%	123	3%	**2.4**	0.5	**6.6**	**10.0**	**11.2**	**13.2**	**-0.8**	-0.6	-4	5	2.2	3	**185**
186	**1500992008080037**	15%	123	**10%**	0.6	0.4	5.4	8.2	8.4	10.9	0.1	0.2	-20	1	2.4	4	**186**
187	1500992008080553	15%	123	8%	1.0	0.3	**6.4**	**9.0**	8.3	10.7	**-1.1**	-0.4	-21	11	**3.7**	5	**187**
188	**1500992008080385**	15%	123	8%	**1.5**	0.2	4.5	**8.3**	9.0	10.0	-0.5	-0.3	-2	6	2.5	3	**188**
189	1500992008080163	15%	123	**10%**	0.6	0.3	5.0	8.0	6.7	7.9	-0.4	0.1	-22	1	**3.1**	5	**189**
	Decile	50%	113	5%	0.6	0.2	3.5	5.1	5.9	6.6	-0.1	0.1	2	4	1.7		
	Shaded box top 5%, Bold type top 10 % of Coopworth Percentile																

page 21				PERFORMANCE COOPWORTHS										
LOT	ID	CP	EF	BL	RM	FN	SM	PD	TX	WS	SIRE	PURCHASER	PRICE	LOT
171	1500992008080305	COOPWORTH									1500392005050756			171
172	1500992008080640	COOPWORTH									1500392006060944			172
173	1500992008080443	COOPWORTH									1500392006060810			173
174	1500992008080078	COOPWORTH									1500392006060944			174
175	1500992008080454	COOPWORTH									1500392005050756			175
176	1500992008080275	COOPWORTH									1500392005050756			176
177	1500992008081030	COOPWORTH									7503142001011243			177
178	1500992008081658	COOPWORTH									1500992007071576			178
179	1500992008081013	COOPWORTH									7503142001011243			179
180	1500992008081393	COOPWORTH									1500992007072454			180
181	1500992008081216	COOPWORTH									1500992007071576			181
182	1500992008081587	COOPWORTH									1500992007070098			182
183	1500992008081025	COOPWORTH									7500842004040742			183
184	1500992008081063	COOPWORTH									7500622004045203			184
				PERFORMANCE MATERNALS										
LOT	ID	CP	EF	BL	RM	FN	SM	PD	TX	WS	SIRE	PURCHASER	PRICE	LOT
185	1500992008080743	43	17					30	7	3	1500392006060708			185
186	1500992008080037	33	7	3				3	4	50	2300262005050549			186
187	1500992008080553	26	15					6	3	50	2300262005050549			187
188	1500992008080385	53	26	2				8	8	3	1500392005050756			188
189	1500992008080163	35	6			2		5	2	50	2300262005050549			189

page 22		PERFORMANCE MATERNALS															
		percent						PWWT					YGFW		DAM		
LOT	ID	band	Index	NLW	MILK	BWT	WWT		YWT	AWT	PFAT	PEMD	%	PWEC	PSC	AGE	LOT
190	**1500992008080413**	10%	**123**	2%	**1.5**	0.2	**6.0**	**10.0**	**10.2**	**12.2**	-0.1	0.7	-4	6	2.8	3	**190**
191	1500992008080482	15%	123	4%	**1.8**	0.3	**6.1**	**9.6**	8.4	11.1	-0.5	-0.1	-8	27	2.6	6	**191**
192	**1500992008080565**	15%	123	**11%**	0.6	0.1	4.4	7.5	9.0	11.0	-0.2	0.3	-10	**-21**	**3.3**	3	**192**
193	1500992008080368	15%	123	8%	0.5	0.2	**5.9**	8.1	8.2	10.6	-0.4	0.4	-1	3	2.1	4	**193**
194	**1500992008080442**	15%	123	6%	1.1	0.4	**6.0**	7.3	7.3	10.2	0.2	**1.3**	-3	-16	2.3	2	**194**
195	1500992008081383	15%	122	7%	**1.8**	0.4	**5.9**	**8.5**	8.3	**12.0**	0.2	-0.3	-6	**-26**	2.3	3	**195**
196	**1500992008081479**	15%	122	9%	0.0	0.3	4.9	6.6	8.0	10.0	-0.3	**1.0**	2	**-26**	2.6	5	**196**
197	1500992008081510	15%	122	9%	**1.5**	0.3	5.1	6.8	5.5	8.0	-0.5	-0.1	-6	**-21**	2.5	4	**197**
198	**1500992008081642**	15%	122	6%	**1.7**	0.3	5.1	8.1	8.3	10.2	0.4	0.2	-5	**-25**	2.2	3	**198**
199	1500992008081684	15%	122	7%	0.8	0.3	5.1	6.9	7.6	9.1	0.2	**1.4**	-8	**-36**	2.2	3	**199**
200	**1500992008081117**	15%	122	**10%**	0.3	0.3	4.6	6.2	8.5	**11.7**	**-0.8**	0.5	0	**-19**	2.7	3	**200**
201	1500992008081213	15%	122	**10%**	0.5	0.3	4.4	8.0	**10.4**	**11.9**	-0.5	-0.2	-1	14	**3.6**	3	**201**
202	**1500992008081447**	15%	121	9%	**1.9**	0.3	4.9	7.2	8.9	**12.6**	-0.4	-0.5	-8	**-20**	2.6	3	**202**
203	1500992008081469	15%	123	**10%**	1.1	0.3	5.1	**8.7**	**9.4**	**11.8**	-0.1	-0.8	6	-7	2.6	3	**203**
204	**1500992008081677**	15%	123	**14%**	0.5	0.1	4.7	6.1	7.3	9.4	-0.4	0.0	0	**-20**	**3.8**	2	**204**
205	1500992008081212	15%	122	9%	0.5	0.3	5.3	**8.4**	**10.1**	**12.1**	**-0.7**	-0.3	3	-5	**3.5**	3	**205**
206	**1500992008081278**	15%	122	7%	1.1	0.3	4.1	6.9	8.0	10.0	-0.2	**1.1**	-9	21	2.6	3	**206**
207	1500992008081480	15%	122	9%	0.0	0.2	4.7	6.1	7.9	9.7	-0.3	**1.5**	4	-10	2.6	5	**207**
208	**1500992008081514**	15%	122	7%	0.3	0.2	5.0	6.4	7.9	9.7	0.3	**1.8**	6	**-19**	1.9	5	**208**
209	1500992008081685	15%	123	4%	1.2	0.1	4.3	7.1	8.4	9.1	0.4	**2.0**	4	41	2.5	2	**209**
210	**1500992008080555**	15%	122	3%	**2.0**	0.4	**6.7**	**9.0**	**11.3**	**11.8**	-0.1	-0.1	**14**	41	2.4	3	**210**
211	1500992008080072	15%	122	**13%**	0.6	0.5	**5.7**	7.3	8.6	**11.7**	**-1.0**	-0.7	-11	-8	2.4	3	**211**
212	**1500992008080240**	15%	122	8%	1.4	0.4	4.6	7.7	8.1	9.7	0.4	0.4	-4	14	2.4	2	**212**
213	1500992008080432	15%	122	8%	**1.7**	0.3	4.9	7.5	7.4	9.6	-0.2	0.1	-13	65	1.4	3	**213**
214	**1500992008080373**	15%	122	**10%**	0.7	0.3	4.6	7.4	7.9	8.1	-0.2	0.3	-23	21	**3.4**	8	**214**
	Decile	50%	113	5%	0.6	0.2	3.5	5.1	5.9	6.6	-0.1	0.1	2	4	1.7		
	Shaded box top 5%, Bold type top 10 % of Coopworth Percentile																

PERFORMANCE MATERNALS

LOT	ID	CP	EF	BL	RM	FN	SM	PD	TX	WS	SIRE	PURCHASER	PRICE	LOT
190	**1500992008080413**	40	18					30	9	3	**1500392006060708**			**190**
191	1500992008080482	42	18					31	6	3	**1500392006060708**			**191**
192	**1500992008080565**	51	18	2				21	6	2	**1500392005050756**			**192**
193	1500992008080368	61	16			1		17	4	1	**1500992007071078**			**193**
194	**1500992008080442**	36	8	6	12			37	1		**1500992007071211**			**194**
195	1500992008081383	53	5	25				13	4		**1500992007071274**			**195**
196	**1500992008081479**	48				2		9	4	37	**2350032006060077**			**196**
197	1500992008081510	35	8	3				12	8	34	**2350032006060021**			**197**
198	**1500992008081642**	39	13	11				22	8	7	**1500992007071274**			**198**
199	1500992008081684	44	3	3				26	8	16	**2350032006060077**			**199**
200	**1500992008081117**	56	6	3	25			3	6	1	**1500392006060680**			**200**
201	1500992008081213	46	13	2	25			6	5	3	**1500392006060680**			**201**
202	**1500992008081447**	39	7	4				7	7	36	**2350032006060021**			**202**
203	1500992008081469	39	7		25			25	3	1	**1500392006060708**			**203**
204	**1500992008081677**	56	11	5	25			1	2		**1500992007071576**			**204**
205	1500992008081212	46	13	2	25			6	5	3	**1500392006060680**			**205**
206	**1500992008081278**	26	8	11		1		13	12	29	**2350032006060202**			**206**
207	1500992008081480	48				2		9	4	37	**2350032006060077**			**207**
208	**1500992008081514**	46						28	6	20	**2350032006060077**			**208**
209	1500992008081685	33	8	1				42	3	13	**2350032006060078**			**209**
210	**1500992008080555**	69	18					5	4	4	**1500392006060944**			**210**
211	1500992008080072	42	9					14	5	30	**2350032006060026**			**211**
212	**1500992008080240**	42	5	7	12			28	5	1	**1500992007071211**			**212**
213	1500992008080432	51	9					28	10	2	**1500392006060708**			**213**
214	**1500992008080373**	39	11							50	**2300262005050549**			**214**

page 24		PERFORMANCE MATERNALS															
		percent						PWWT					YGFW		DAM		
LOT	ID	band	Index	NLW	MILK	BWT	WWT		YWT	AWT	PFAT	PEMD	%	PWEC	PSC	AGE	LOT
215	1500992008080618	15%	122	5%	1.0	0.2	**6.2**	**9.8**	**11.2**	**14.8**	-0.1	-0.2	1	-8	2.6	2	**215**
216	**1500992008080359**	15%	122	**13%**	0.0	0.3	4.8	7.4	**9.9**	**12.5**	-0.3	-0.3	13	-4	**3.5**	2	**216**
217	1500992008080617	15%	122	9%	1.2	0.5	**5.8**	7.7	**10.0**	10.9	0.3	0.1	-2	38	2.0	2	**217**
218	**1500992008080440**	15%	122	5%	**1.9**	0.4	**5.8**	**8.9**	8.3	10.4	-0.2	-0.1	-6	**-26**	2.4	2	**218**
219	1500992008080362	15%	122	9%	1.2	0.1	4.6	7.6	8.2	9.9	0.1	0.0	-13	-3	**3.1**	2	**219**
220	**1500992008080272**	15%	123	**14%**	0.3	0.4	**6.0**	8.2	9.3	**12.8**	**-0.6**	-1.0	6	0	**4.2**	3	**220**
221	1500992008080367	15%	122	8%	0.5	0.3	**6.1**	8.2	8.6	**11.5**	-0.3	0.2	-7	-5	1.1	4	**221**
222	**1500992008080543**	15%	122	8%	1.4	0.4	5.0	7.4	7.4	11.0	**-0.6**	0.1	-9	-18	1.4	4	**222**
223	1500992008080675	15%	122	5%	1.2	0.3	5.0	7.6	6.6	9.2	**-0.6**	0.9	-9	-15	2.2	5	**223**
224	**1500992008080447**	**15%**	122	8%	0.4	0.3	5.3	6.9	8.1	9.1	0.1	**1.0**	-5	74	2.3	2	**224**
225	1500992008080878	15%	121	4%	1.3	0.4	**6.0**	**9.7**	**12.2**	**13.6**	**-0.7**	-0.5	5	-10	2.7	1	**225**
226	**1500992008080233**	15%	121	7%	0.6	0.4	**5.9**	**8.6**	8.9	11.3	-0.2	0.0	-1	-11	2.2	3	**226**
227	1500992008080653	15%	121	7%	1.2	0.2	5.2	7.9	9.1	10.8	-0.5	-0.1	-4	0	2.3	3	**227**
228	**1500992008080921**	15%	121	9%	0.8	0.2	4.3	7.8	8.4	10.2	-0.5	-0.2	-2	34	2.2	1	**228**
229	1500992008080192	15%	121	7%	0.4	0.3	5.1	7.7	8.1	8.9	0.0	0.8	-17	-7	**3.1**	3	**229**
230	**1500992008081114**	20%	121	**10%**	**1.5**	0.1	4.6	6.5	6.9	9.8	-0.4	-0.1	-5	-17	2.3	2	**230**
231	1500992008081162	20%	121	**13%**	0.2	0.2	4.0	6.0	7.5	10.4	0.0	0.2	2	9	2.5	3	**231**
232	**1500992008081179**	20%	121	**14%**	-0.1	0.3	4.9	6.8	8.4	11.0	**-0.7**	-0.6	1	27	2.5	3	**232**
233	1500992008081433	20%	121	**10%**	0.8	0.4	4.4	6.4	6.9	9.1	-0.3	0.0	1	**-25**	1.7	3	**233**
234	**1500992008081465**	20%	121	**10%**	1.1	0.2	3.0	5.6	6.0	8.4	0.2	0.9	-4	**-25**	1.7	5	**234**
235	1500992008081091	20%	121	7%	0.4	0.3	4.9	7.7	8.8	10.0	-0.1	0.5	6	**-47**	2.6	3	**235**
236	**1500992008081204**	20%	121	4%	0.7	0.3	4.6	7.3	7.2	7.2	0.2	**1.5**	-8	**-39**	2.7	3	**236**
237	1500992008081293	20%	121	9%	**1.5**	0.2	**5.7**	6.8	7.0	10.5	**-0.8**	-0.3	-5	**-25**	2.0	4	**237**
238	**1500992008081412**	20%	120	8%	1.3	0.3	4.8	7.2	8.2	9.8	-0.3	-0.2	-9	**-40**	2.1	3	**238**
239	1500992008081558	20%	121	7%	0.6	0.2	3.4	5.7	6.9	7.1	0.0	**1.4**	2	**-25**	2.1	4	**239**
	Decile	50%	113	5%	0.6	0.2	3.5	5.1	5.9	6.6	-0.1	0.1	2	4	1.7		
	Shaded box top 5%, Bold type top 10 % of Coopworth Percentile																

page 25				PERFORMANCE MATERNALS										
LOT	ID	CP	EF	BL	RM	FN	SM	PD	TX	WS	SIRE	PURCHASER	PRICE	LOT
215	1500992008080618	56	10	2				26	5	1	**1500392006060708**			**215**
216	**1500992008080359**	44	3	2	37			13	1		**1500392006060794**			**216**
217	1500992008080617	79	6	2			3	4	3	3	**1500392006060944**			**217**
218	**1500992008080440**	43	13		12			26	4	2	**1500392006060708**			**218**
219	1500992008080362	54	14	3			3	19	5	2	**1500392005050756**			**219**
220	**1500992008080272**	58	8	5	25				3	1	**1500392006060794**			**220**
221	1500992008080367	61	16			1		17	4	1	**1500992007071078**			**221**
222	**1500992008080543**	29	14					20	6	31	**2350032006060026**			**222**
223	1500992008080675	23	15					23	5	34	**2350032006060026**			**223**
224	**1500992008080447**	50	12					30	4	4	**1500392006060944**			**224**
225	1500992008080878	65	2				3	2	3	25	**1500992007070028**			**225**
226	**1500992008080233**	45	11	8	12			17	4	3	**1500992007071211**			**226**
227	1500992008080653	52	23	2				14	6	3	**1500392005050756**			**227**
228	**1500992008080921**	57	8	1				3	6	25	**1500992007070252**			**228**
229	1500992008080192	39	4					3	4	50	**2300262005050549**			**229**
230	**1500992008081114**	69	19	5				3	3	1	**1500992007071576**			**230**
231	1500992008081162	63	7	3	25				2		**1500392006060680**			**231**
232	**1500992008081179**	58	7	3	25			2	2	3	**1500392006060680**			**232**
233	1500992008081433	20	3	2	25			6	4	40	**2350032006060021**			**233**
234	**1500992008081465**	38	9					12	7	34	**2350032006060021**			**234**
235	1500992008081091	67	13					16	3	1	**7503142001011243**			**235**
236	**1500992008081204**	38	9	3				30	7	13	**2350032006060078**			**236**
237	1500992008081293	47	22	16				8	2	5	**1500992007071576**			**237**
238	**1500992008081412**	44	14	6				11	7	18	**1500992007072456**			**238**
239	1500992008081558	40	10					30	7	13	**2350032006060078**			**239**

page 26		PERFORMANCE MATERNALS															
		percent						PWWT					YGFW		DAM		
LOT	ID	band	Index	NLW	MILK	BWT	WWT		YWT	AWT	PFAT	PEMD	%	PWEC	PSC	AGE	LOT
240	**1500992008081022**	20%	121	3%	0.6	0.4	5.4	**9.3**	**10.3**	**11.7**	-0.3	0.2	7	4	2.6	3	**240**
241	1500992008081103	20%	121	9%	0.9	0.4	5.4	7.9	8.7	10.8	**-0.8**	-0.8	**19**	-17	2.3	3	**241**
242	**1500992008081116**	20%	120	**10%**	0.3	0.3	4.2	5.9	7.4	10.2	**-0.8**	0.4	-2	9	2.6	3	**242**
243	1500992008081231	15%	123	9%	0.5	0.3	5.0	8.2	8.8	11.3	**-0.7**	-0.1	3	13	**3.0**	3	**243**
244	**1500992008081372**	20%	121	7%	1.0	0.3	4.8	6.7	7.8	10.5	0.1	0.8	-1	-10	2.0	2	**244**
245	1500992008081855	20%	121	7%	**1.6**	0.3	5.4	8.1	**9.4**	**11.5**	-0.4	-0.6	2	-18	2.6	1	**245**
246	**1500992008081028**	20%	121	7%	0.3	0.5	**5.7**	**8.5**	**9.5**	**11.6**	-0.2	0.0	4	36	1.6	3	**246**
247	1500992008081218	20%	120	9%	1.1	0.3	**5.8**	7.7	8.5	**13.5**	-0.1	-0.7	-2	**-23**	2.6	4	**247**
248	**1500992008081238**	20%	121	**10%**	1.4	0.4	**6.5**	**8.9**	**10.3**	**13.1**	**-0.7**	-1.8	2	9	2.9	5	**248**
249	1500992008081252	20%	120	3%	1.4	0.4	**6.0**	7.9	9.1	11.1	-0.5	0.2	7	-11	2.2	3	**249**
250	**1500992008081253**	20%	120	1%	1.4	0.3	4.7	6.9	7.8	9.4	0.0	**1.5**	8	-16	1.2	3	**250**
251	1500992008081595	20%	121	7%	0.8	0.3	4.4	5.2	5.4	5.8	-0.5	**1.5**	-7	7	1.3	5	**251**
252	**1500992008081222**	25%	119	**10%**	0.3	0.3	4.6	6.4	8.3	10.6	-0.4	-0.2	2	6	**3.8**	3	**252**
253	1500992008081256	25%	119	8%	1.2	0.3	4.6	6.7	7.9	10.7	-0.5	-0.4	-3	1	2.4	3	**253**
254	**1500992008081408**	25%	120	**12%**	0.9	0.4	**5.6**	6.4	8.0	9.9	**-0.9**	-0.8	-9	-2	1.9	3	**254**
255	1500992008081459	25%	119	8%	1.2	0.4	**5.6**	7.3	8.6	**11.5**	-0.5	-0.9	-4	7	2.6	4	**255**
256	**1500992008081917**	25%	119	9%	0.7	0.2	4.2	6.1	7.7	9.4	**-0.6**	-0.1	-5	6	2.7	1	**256**
257	1500992008081206	25%	120	6%	0.9	0.2	4.2	5.7	6.2	7.6	0.5	**1.2**	**19**	**-19**	2.6	3	**257**
258	**1500992008081217**	25%	119	6%	1.3	**0.0**	4.1	5.8	5.0	7.4	0.4	**1.0**	-8	**-29**	2.3	5	**258**
259	1500992008081276	25%	119	9%	1.0	0.2	3.4	4.9	4.5	7.0	0.2	0.8	-16	**-46**	1.2	6	**259**
260	**1500992008081543**	25%	119	**11%**	1.4	0.4	4.3	6.8	8.3	**12.6**	-0.4	-1.1	-2	**-36**	2.3	2	**260**
261	1500992008081548	25%	119	9%	1.2	**0.0**	3.7	4.4	4.6	6.6	-0.5	0.8	-10	**-29**	1.5	4	**261**
262	**1500992008081188**	25%	119	1%	1.0	0.3	**6.4**	**9.8**	**11.0**	**14.0**	-0.4	-0.5	9	**-24**	**3.1**	2	**262**
263	1500992008081336	25%	119	6%	-0.2	0.2	3.7	5.3	5.9	5.6	0.1	**2.0**	-1	2	1.8	6	**263**
264	**1500992008081572**	25%	119	7%	0.7	0.2	4.1	5.5	6.6	8.4	0.4	**1.3**	-7	-15	1.8	2	**264**
265	1500992008081703	25%	119	4%	0.1	0.2	3.9	5.7	7.6	6.8	1.0	**2.4**	6	-16	2.5	3	**265**
266	**1500992008081885**	25%	120	3%	**2.4**	0.2	5.1	**8.7**	**11.2**	**12.7**	-0.1	-0.5	-8	18	2.5	1	**266**
	Decile	50%	113	5%	0.6	0.2	3.5	5.1	5.9	6.6	-0.1	0.1	2	4	1.7		
	Shaded box top 5%, Bold type top 10 % of Coopworth Percentile																

page 27				PERFORMANCE MATERNALS										
LOT	ID	CP	EF	BL	RM	FN	SM	PD	TX	WS	SIRE	PURCHASER	PRICE	LOT
240	**1500992008081022**	80	8	3				3	6		**7500842004040742**			**240**
241	1500992008081103	75	15	2				3	3	2	**7503142001011243**			**241**
242	**1500992008081116**	56	6	3	25			3	6	1	**1500392006060680**			**242**
243	1500992008081231	33	13	2	25	12	4	6	4	1	**1500392006060680**			**243**
244	**1500992008081372**	39	9	2				29	4	17	**2350032006060078**			**244**
245	1500992008081855	63	11	5				16	2	3	**1500992007071229**			**245**
246	**1500992008081028**	89	3	3		2			3		**7500842004040742**			**246**
247	1500992008081218	54	13	13				15	3	2	**1500992007071274**			**247**
248	**1500992008081238**	79	9	5				3	3	1	**1500992007070098**			**248**
249	1500992008081252	38	7	5				26	7	17	**2350032006060077**			**249**
250	**1500992008081253**	38	7	5				26	7	17	**2350032006060077**			**250**
251	1500992008081595	44				2	4	28	4	18	**2350032006060077**			**251**
252	**1500992008081222**	39	6	2	50				3		**1500392006060680**			**252**
253	1500992008081256	53	11					9	8	19	**1500992007072454**			**253**
254	**1500992008081408**	58	3	3				9	8	19	**1500992007072454**			**254**
255	1500992008081459	58	3	3				8	8	20	**1500992007072454**			**255**
256	**1500992008081917**	87	8	3				1	1		**1500992007071576**			**256**
257	1500992008081206	24	5		25			29	3	14	**2350032006060078**			**257**
258	**1500992008081217**	58	17	13				7	4	1	**1500992007071576**			**258**
259	1500992008081276	25						13	10	52	**2350032006060021**			**259**
260	**1500992008081543**	25			25	perendale		6	6	38	**2350032006060021**			**260**
261	1500992008081548	72	18	3				3	3	1	**1500992007071576**			**261**
262	**1500992008081188**	64	11	3				17	3	2	**1500992007071229**			**262**
263	1500992008081336	47				2		31	3	17	**2350032006060078**			**263**
264	**1500992008081572**	39	9	2				29	4	17	**2350032006060078**			**264**
265	1500992008081703	50						25	3	22	**2350032006060077**			**265**
266	**1500992008081885**	54	16	1				23	4	2	**1500392005051530**			**266**

page 28		PERFORMANCE MATERNALS															
		percent						PWWT					YGFW		DAM		
LOT	ID	band	Index	NLW	MILK	BWT	WWT		YWT	AWT	PFAT	PEMD	%	PWEC	PSC	AGE	LOT
267	1500992008081263	35%	117	7%	0.0	0.2	3.8	5.5	7.9	8.5	0.0	0.7	6	-10	1.9	5	**267**
268	**1500992008081291**	30%	117	7%	0.9	0.4	5.3	6.3	7.6	6.1	-0.3	-0.2	-9	17	2.6	6	**268**
269	1500992008081581	35%	117	6%	0.0	0.3	4.4	5.7	7.3	8.9	-0.1	0.9	7	-1	1.6	5	**269**
270	**1500992008081603**	30%	118	6%	1.2	0.3	4.7	7.5	6.5	8.3	-0.2	-0.6	-1	-17	1.3	5	**270**
271	1500992008081692	30%	118	8%	1.0	0.4	5.4	7.7	9.1	10.9	**-0.7**	-1.1	-10	7	2.0	3	**271**
272	**1500992008081246**	30%	117	3%	1.0	0.1	4.5	6.6	7.2	9.6	0.7	**1.0**	-1	**-22**	1.9	2	**272**
273	1500992008081381	30%	118	4%	1.1	0.3	5.1	7.4	7.1	9.4	-0.3	-0.1	2	**-33**	1.7	6	**273**
274	**1500992008081614**	35%	117	4%	0.8	0.3	4.5	7.1	8.4	11.2	0.1	0.1	0	**-38**	2.0	3	**274**
275	1500992008081615	35%	117	3%	0.8	0.3	4.8	7.4	8.9	**12.0**	0.0	0.0	9	**-42**	1.9	3	**275**
276	**1500992008081693**	30%	118	3%	1.0	0.3	5.2	6.9	8.8	9.7	-0.1	0.4	2	**-31**	2.1	3	**276**
277	1500992008081176	30%	118	3%	1.2	0.3	**5.8**	8.2	**9.5**	**11.5**	**-0.8**	-0.4	-1	-6	2.2	3	**277**
278	**1500992008081292**	35%	117	0%	**2.1**	0.4	**5.9**	**9.1**	**10.1**	11.2	**-0.7**	-1.1	1	15	1.9	4	**278**
279	1500992008081367	30%	118	5%	0.9	0.1	4.4	7.0	7.1	8.3	-0.4	-0.1	-4	9	2.4	2	**279**
280	**1500992008081627**	35%	117	4%	0.5	0.2	2.9	4.8	6.0	5.0	-0.1	**1.5**	12	0	1.9	5	**280**
281	1500992008081661	35%	117	3%	1.0	0.4	**5.8**	6.6	7.4	8.7	-0.5	0.4	-3	-11	1.3	2	**281**
282	**1500992008081208**	30%	118	6%	-0.6	0.3	4.6	7.4	**10.1**	**12.4**	-0.3	0.2	**15**	22	2.7	3	**282**
283	1500992008081379	30%	118	5%	0.7	0.4	**6.0**	**9.0**	**9.8**	11.3	**-0.9**	-1.3	-4	46	2.4	2	**283**
284	**1500992008081681**	30%	118	2%	1.0	0.1	3.5	5.8	6.1	5.9	0.0	**1.3**	7	-11	1.9	4	**284**
285	1500992008081782	30%	118	**11%**	0.1	0.3	4.2	6.3	8.4	10.0	-0.4	-0.4	-9	-13	2.1	2	**285**
286	**1500992008081916**	30%	118	3%	1.3	0.4	5.1	**8.3**	**11.3**	**13.6**	**-0.6**	-0.7	**19**	16	1.7	1	**286**
	Decile	50%	113	5%	0.6	0.2	3.5	5.1	5.9	6.6	-0.1	0.1	2	4	1.7		
	Shaded box top 5%, Bold type top 10 % of Coopworth Percentile																

page 29				PERFORMANCE MATERNALS										
LOT	**ID**	**CP**	**EF**	**BL**	**RM**	**FN**	**SM**	**PD**	**TX**	**WS**	**SIRE**	**PURCHASER**	**PRICE**	**LOT**
267	1500992008081263	41	9					27	2	21	**2350032006060078**			**267**
268	**1500992008081291**	59	3				4	9	5	20	**1500992007072454**			**268**
269	1500992008081581	43	6					27	2	22	**2350032006060078**			**269**
270	**1500992008081603**	56	7			2		28	5	2	**1500392006060708**			**270**
271	1500992008081692	40	9					16	10	25	**1500992007072454**			**271**
272	**1500992008081246**	54	10	17				15	3	1	**1500992007071274**			**272**
273	1500992008081381	57	8	11			4	15	3	2	**1500992007071274**			**273**
274	**1500992008081614**	34	11	11	25			15	3	1	**1500992007071274**			**274**
275	1500992008081615	34	11	11	25			15	3	1	**1500992007071274**			**275**
276	**1500992008081693**	42	8					30	7	13	**2350032006060078**			**276**
277	1500992008081176	46	11					15	8	20	**1500992007072454**			**277**
278	**1500992008081292**	60	15	8				6	8	3	**1500992007070098**			**278**
279	1500992008081367	71	18	3				4	3	1	**1500992007071576**			**279**
280	**1500992008081627**	43	7					28	5	17	**2350032006060078**			**280**
281	1500992008081661	44	3	3				25	6	19	**2350032006060077**			**281**
282	**1500992008081208**	66	4	2	25			1	2		**1500392006060680**			**282**
283	1500992008081379	51	9					13	8	19	**1500992007072454**			**283**
284	**1500992008081681**	38	12					28	7	15	**2350032006060077**			**284**
285	1500992008081782	47	3	3	12	1		8	8	18	**1500992007072454**			**285**
286	**1500992008081916**	89	4	2				3	1	1	**1500992007070098**			**286**

POLL DORSET

LOT	ID	BWT	WWT	PWWT	PFAT	PEMD	2020 Index	Carcass+ plus	PWEC	SIRE	PURCHASER	$	LOT
287	2350032008083201	0.4	**8.9**	**14.0**	**-1.6**	1.5	**114**	**204**	-37	6060202			287
288	**2350032008083228**	0.5	**10.9**	**14.4**	**-2.0**	0.3	**113**	**202**	**-40**	7073007			288
289	2350032008083193	0.4	**9.5**	12.9	**-1.7**	0.7	**113**	**194**	**-52**	7073007			289
290	**2350032008083130**	0.5	**9.4**	12.1	-1.1	1.1	**113**	185	**-52**	7073007			290
291	2350032008083287	0.4	**9.6**	**13.4**	**-1.5**	1.2	**113**	**197**	-26	7073002			291
292	**2350032008083194**	0.5	**9.9**	**13.7**	**-1.8**	1.2	**113**	**203**	-18	7073002			292
293	2350032008083354	0.5	**8.9**	**13.4**	-1.2	1.8	**113**	**197**	-14	7073027			293
294	**2350032008083040**	0.5	8.1	**13.7**	-0.4	1.8	**113**	**189**	-24	6060666			294
295	2350032008083038	0.6	**9.0**	**16.3**	**-1.3**	1.2	**113**	**209**	3	6060666			295
296	**2350032008083159**	0.6	**9.6**	13.3	**-1.4**	1.1	**113**	**195**	-30	7073007			296
297	2350032008083060	0.4	8.6	12.3	-0.6	**1.9**	**113**	186	-26	6060202			297
298	**2350032008083021**	0.5	8.3	**15.6**	-0.8	1.2	**113**	**199**	-16	6060666			298
299	2350032008083255	0.4	8.5	11.3	**-1.6**	0.8	**113**	185	**-67**	7073007			299
300	**2350032008083027**	0.4	7.8	**15.1**	-0.9	1.4	**113**	**199**	-13	6060666			300
301	2350032008083016	0.2	8.6	12.9	-0.4	1.5	**113**	182	-33	6060043			301
302	**2350032008083209**	0.4	**9.2**	12.2	-1.1	1.6	**113**	**188**	-25	7073002			302
303	2350032008083339	0.5	**8.9**	11.3	**-1.4**	1.2	**112**	185	**-47**	7073007			303
304	**2350032008083186**	0.4	7.6	12.0	-1.0	0.7	**112**	180	**-61**	7073009			304
305	2350032008083032	0.2	7.1	12.4	-0.7	1.2	**112**	181	**-43**	6060043			305
306	**2350032008083036**	0.4	7.5	12.8	-0.5	1.6	**112**	184	-15	6060666			306
307	2350032008083008	0.4	7.2	12.3	-0.9	1.4	**112**	185	-24	6060666			307
308	**2350032008083057**	0.4	**9.1**	12.1	-1.1	0.6	111	181	-35	7073009			308
309	2350032008083039	0.4	7.3	12.4	-0.4	1.5	111	180	-21	6060666			309
310	**2350032008083316**	0.4	**9.2**	13.1	-1.0	1.7	111	**193**	21	7073027			310
311	2350032008083012	0.4	7.0	11.4	-0.6	1.4	111	177	-31	6060666			311
312	**2350032008083299**	0.4	7.5	10.3	-1.2	1.4	111	179	-30	6060202			312
313	2350032008083111	0.3	8.1	12.4	**-1.3**	0.0	111	180	**-52**	7073009			313
314	**2350032008083042**	0.3	6.9	12.0	-1.0	**2.1**	111	**190**	19	7073027			314
315	2350032008083256	0.4	7.1	10.3	-1.1	1.4	111	178	-23	7073027			315
316	**2350032008083087**	0.3	7.5	11.2	**-1.3**	0.7	111	179	-29	7073009			316
317	2350032008083073	0.4	**8.8**	13.3	**-1.4**	1.2	110	**195**	31	7073002			317
318	**2350032008083125**	0.4	6.6	9.5	-1.2	1.4	110	175	-23	7073009			318
319	2350032008083307	0.3	8.7	13.2	**-1.5**	0.5	110	**191**	11	7073006			319
320	**2350032008083188**	0.3	7.5	10.3	-0.8	0.9	110	170	-20	7073002			320
321	2350032008083134	0.4	8.2	10.2	-1.1	1.0	110	174	-10	7073002			321
322	**2350032008083300**	0.4	**9.6**	10.5	-1.2	0.8	110	176	1	7073006			322
323	2350032008083336	0.3	6.4	11.2	-0.5	1.6	110	175	6	7073027			323
324	**2350032008083054**	0.3	6.4	9.6	-0.9	1.3	110	171	-16	7073027			324
325	2350032008083151	0.2	7.2	11.7	-0.8	1.2	109	180	34	7073027			325
326	**2350032008083210**	0.5	**9.3**	11.8	**-1.4**	0.4	108	181	32	7073006			326
327	2350032008083044	0.3	8.0	11.4	-1.0	1.1	108	179	43	7073027			327
328	**2350032008083320**	0.3	6.8	9.7	**-1.3**	1.3	108	177	40	7073009			328

WHITE SUFFOLK

LOT	ID	BWT	WWT	PWWT	PFAT	PEMD	2020 Index	Carcass+ plus	PWEC	SIRE	PURCHASER	$	LOT
329	2350032008083310	0.5	**9.4**	12.7	**-1.5**	0.8	**112**	**191**	-31	7073007			329
330	**2350032008083202**	0.3	7.6	11.5	-0.8	1.8	**112**	182	-23	7073027			330
331	2350032008083162	0.4	8.4	12.5	-0.6	1.6	**112**	183	-10	6060202			331
332	**2350032008083259**	0.6	**10.4**	**14.5**	**-1.4**	0.2	**112**	**194**	-9	7073007			332
333	2350032008083274	0.3	7.6	11.9	**-1.6**	0.5	111	185	**-47**	7073009			333
334	**2350032008083071**	0.4	**8.8**	11.1	-0.9	1.0	111	176	-19	7073007			334
335	2350032008083115	0.3	7.1	10.0	-1.1	1.5	110	177	-17	7073027			335
336	**2350032008083379**	0.4	7.6	10.4	-1.1	1.2	110	176	-4	7073027			336
337	2350032008083131	0.3	5.5	8.4	-1.1	1.8	108	171	16	7073027			337

50 % percentile banc	0.2	6.5	10.0	-0.6	1	108	164	-12

Shaded box top 5%, Bold type top 10 % of Terminal Percentile

CASHMORE NUDIES

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LOT	ID	2020 Index	Carcass+ plus	BWT	PWWT WWT		PFAT	PEMD	PWEC	NLW	MWWT	SIRE	PURCHASER	$
338	**2350032008083924**	104	126	**0.0**	1.7	3.9	-0.5	-0.1	**-44**	8%	0.0	7073747		
339	2350032008083841	104	123	**-0.1**	0.1	2.6	-0.3	0.8	**-37**	4%	3.0	7073747		
340	**2350032008083978**	104	140	**-0.1**	3.5	7.3	-0.3	0.0	17	8%	1.4	5050166		
341	2350032008083815	104	107	**-0.2**	-0.4	0.7	0.4	1.2	**-50**	13%	0.0	5051611		
342	**2350032008083849**	104	123	**0.0**	0.9	3.0	-0.4	0.4	-29	12%	0.0	7073747		
343	2350032008083833	104	118	**0.0**	0.8	1.8	-0.4	0.5	**-41**	8%	3.4	7073747		
344	**2350032008083822**	103	118	**-0.1**	0.0	1.8	-0.4	0.4	**-41**	6%	3.3	7073747		
345	2350032008083858	103	112	**0.0**	0.3	1.3	-0.2	0.3	**-41**	10%	1.8	7073747		
346	**2350032008083804**	103	100	**-0.2**	-0.4	-0.3		1.2	**-40**	4%	3.0	5051611		
347	2350032008083813	102	107	**-0.1**	-0.4	0.8	-0.2	0.1	-37	-4%	1.6	4043074		
	50 % percentile band	108	164	0.2	6.5	10.0	-0.6	1	-12	2%	1.4			

Shaded box top 5%, Bold type top 10 % of Terminal Percentile

LAMB2020

a **NEW DIRECTION** for the **AUSTRALIAN SHEEP** INDUSTRY

For two years, Sheep Genetics has been working to develop a new standard index that better reflects the future demands of the Australian lamb industry. This new index, called LAMB 2020, will be available to terminal sire breeders from 1 December 2008.

LAMB2020 has been developed with several features that require some explanation. The following information is a guide to how the index was developed, what changes are likely to occur as a result of the index and how breeders should consider using it.

LAMB2020

- **Developed to meet the future challenges of the Australian sheep industry**
- **Designed to suit terminal sire breeders**
- **Concentrates on carcase and growth traits, while considering birth weight and internal parasites**
- **Presented as a dollar index**

FEATURES

The first feature of LAMB2020 is that it has been constructed as a dollar index rather than a desired gains index like Carcase Plus. This structure brings LAMB2020 into line with the Trade $ and Export $ indexes, the maternal $ indexes and MERINOSELECT indexes which are all dollar indexes.

The initial focus of LAMB2020 was on the standard traits currently used in the Carcase Plus index. Dollar values for growth (carcase weight), fat and muscle have been calculated on an assumed carcase weight of 22kg. With more producers targeting earlier turn-off ages, the relative value for growth was split 40:60 between weaning weight (WWT) and post weaning weight (PWT).

In developing the LAMB2020 index extensive consultation with breeders and industry stakeholders was conducted, resulting in the inclusion of birth weight (BWT) and worm egg count (PWEC).

In an attempt to limit further increases in birth weight a negative $ emphasis has been placed on increasing birth weights - a result from directly selecting for growth (noting that there is a positive correlation between growth (WWT and PWT) and birth weight (BWT)).

The addition of PWEC to LAMB2020 was driven by the fact that internal parasites are one of the most significant costs to the Australian sheep industry ($320M per annum; MLA 2006). In addition, resistance to anthelmintics by internal parasites is resulting in less effective chemical treatment options for worms. One of the strategies that producers can put in place to assist with worm management is to select animals that are more resistant to worms (lower PWEC ASBVs). Over the last two years, there have been a number of breeders who have measured PWEC.

This information, combined with outcomes from the Sheep CRC information nucleus project, will provide breeders with access to sires with accurate ASBVs for PWEC.

The dollar value for PWEC has been calculated based on information that a range of PWEC of 100 units is worth approximately 10% of the value of improvement in growth.

WHAT DOES LAMB2020 DO?

In the following table the relative selection emphasis and predicted change over ten years have been calculated for LAMB2020.

Trait	Relative Emphasis	Change over 10 yrs
BWT (kg)	8%	0.10
WWT (kg)	24%	2.7
PWT (kg)	25%	3.5
PFAT (mm)	9%	0.2
PEMD (mm)	22%	1.3
PWEC (%)	12%	-30

From this table, there are several important points that need to be considered:

- Despite a negative emphasis on birth weight, birth weight still increases by 0.10kg over 10 years. This is due to the positive correlations that exist between growth and birth weight.
- Despite a negative emphasis on fat, it will increase slightly by 0.2 mm over 10 years. This is a direct result of the higher emphasis on muscle and selecting for internal parasite resistance.

The LAMB2020 index is designed to be a different index to Carcase Plus. However, it still has a high correlation or relationship with Carcase Plus (90%). This is due to the relatively high emphasis on growth, fat and muscle that are consistent between both indexes.

The index has been developed to suit terminal sire breeders with clients targeting a 22 kg lamb carcase, from either a Merino or first-cross ewe base where worms may be a significant challenge to lamb production.

If you require further information on the LAMB2020 index or selection indexes in general please contact the Sheep Genetics office.

DOLLAR INDEXES

As with the Trade and Export $ indexes, a value in LAMB 2020 reflects the improvement in lamb dollar value.

For example, lambs from a sire with a LAMB 2020 index of $113 will be worth $3 more than lambs from a sire with a LAMB 2020 index of $110.

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Percentile Report

Analysis **COOPWORTH** Dated **15/09/2009**

Animals born in 2008

Band	Bwt kg	Wwt kg	Mwwt kg	Pwwt kg	Pfat mm	Pemd mm	Ywt kg	Yfat mm	Yemd mm	Ygfw %	Yfd u	Pfec %	NLW %	PSC cm	Border$	Coopworth$	SAMM	Corriedale$
0	-0.3	9.7	2.9	12.8	-2.2	3.9	15.2	-2.5	3.8	32	-2.3	-56	18	5.3	137.6	137.6	167.2	137.5
1	-0.1	7.1	2.2	10.5	-1.1	1.9	11.8	-1.7	1.7	21	-1.6	-38	13	3.8	129.4	129.4	150.6	129.3
2	-0.1	6.8	2.0	10.0	-0.9	1.7	11.2	-1.6	1.4	18	-1.3	-32	13	3.6	127.9	127.9	148.0	127.8
3	0.0	6.5	1.9	9.6	-0.9	1.5	10.8	-1.5	1.3	17	-0.6	-29	12	3.5	126.7	126.7	146.3	126.6
4	0.0	6.3	1.8	9.3	-0.8	1.4	10.5	-1.4	1.2	16	-0.4	-27	11	3.4	126.0	126.0	145.1	126.0
5	0.0	6.2	1.7	9.1	-0.8	1.3	10.2	-1.4	1.1	16	-0.4	-25	11	3.3	125.4	125.4	143.9	125.4
10	0.0	5.6	1.5	8.3	-0.6	1.0	9.4	-1.1	0.8	13	0.7	-19	10	3.0	123.1	123.1	140.1	123.0
15	0.1	5.3	1.3	7.7	-0.5	0.8	8.8	-1.0	0.6	11	1.1	-15	9	2.7	121.3	121.3	137.3	121.3
20	0.1	5.0	1.2	7.2	-0.5	0.6	8.3	-0.9	0.5	9	1.3	-11	8	2.6	119.9	119.9	135.0	119.9
25	0.1	4.7	1.1	6.8	-0.4	0.5	7.8	-0.8	0.4	8	1.6	-9	7	2.4	118.7	118.7	132.7	118.7
30	0.1	4.4	1.0	6.4	-0.3	0.4	7.4	-0.7	0.3	7	1.8	-6	7	2.2	117.4	117.4	130.8	117.5
35	0.2	4.2	0.9	6.1	-0.3	0.3	7.0	-0.7	0.2	5	1.9	-3	6	2.1	116.3	116.3	129.0	116.4
40	0.2	3.9	0.8	5.7	-0.2	0.2	6.6	-0.6	0.2	4	2.1	-1	6	2.0	115.3	115.3	127.3	115.3
45	0.2	3.7	0.7	5.4	-0.2	0.2	6.3	-0.5	0.1	3	2.3	2	5	1.8	114.3	114.3	125.6	114.3
50	0.2	3.5	0.6	5.1	-0.1	0.1	5.9	-0.5	0.0	2	2.5	4	5	1.7	113.2	113.2	123.8	113.3
55	0.2	3.2	0.5	4.8	-0.1	0.0	5.5	-0.4	0.0	1	2.6	7	5	1.5	112.2	112.2	122.1	112.2
60	0.3	3.0	0.4	4.5	0.0	-0.1	5.2	-0.3	-0.1	0	2.7	9	4	1.4	111.1	111.1	120.3	111.2
65	0.3	2.8	0.3	4.1	0.0	-0.2	4.8	-0.3	-0.2	-1	2.8	12	4	1.2	110.0	110.0	118.3	110.0
70	0.3	2.5	0.2	3.8	0.1	-0.3	4.4	-0.2	-0.3	-3	3.0	14	3	1.1	108.8	108.8	116.2	108.8
75	0.3	2.3	0.1	3.4	0.1	-0.3	3.9	-0.1	-0.3	-4	3.2	18	2	0.9	107.5	107.5	114.1	107.5
80	0.3	2.0	-0.1	3.0	0.2	-0.4	3.5	0.0	-0.4	-6	3.5	23	2	0.7	106.1	106.1	111.5	106.2
85	0.4	1.7	-0.2	2.6	0.3	-0.6	2.9	0.1	-0.5	-7	3.7	29	1	0.5	104.6	104.6	108.4	104.7
90	0.4	1.3	-0.4	2.0	0.4	-0.7	2.2	0.2	-0.7	-9	3.9	38	0	0.3	102.8	102.8	104.6	102.8
95	0.5	0.7	-0.7	1.1	0.6	-1.0	1.2	0.4	-0.9	-12	4.4	51	-1	-0.1	101.1	101.1	101.1	101.1
100	0.7	-2.8	-2.4	-3.5	2.4	-2.9	-5.7	2.8	-2.4	-33	6.0	130	-10	-7.7	89.8	89.8	75.3	89.8

SHEEP GENETICS

Percentile Report

Analysis **Terminal** Dated **15/09/2009**

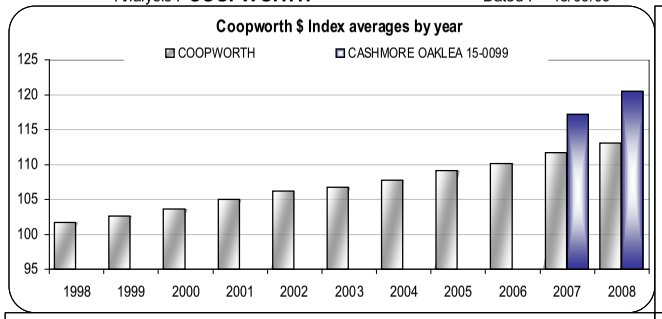
Animals born in 2008

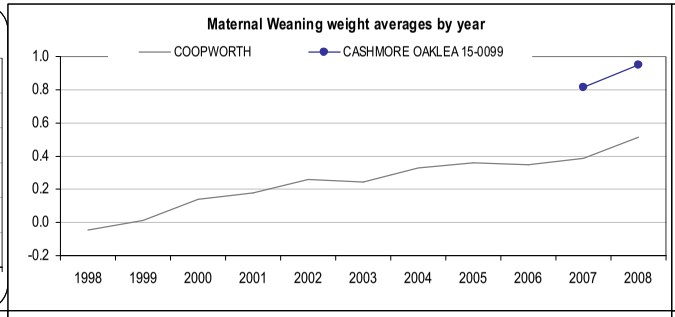
Band	Bwt kg	Wwt kg	PWwt kg	Ywt kg	Pfat mm	Yfat mm	Pemd mm	Yemd mm	Ysc cm	Hsc cm	Pfec %	Yfec %	MWwt kg	NLW %	Carcase +	LAMB2020	Trade$	Export$
0	-0.99	13.8	20.6	22.2	-3.2	-4.1	5.1	4.7	5.6	4.0	-78	-78	6.8	23	240.3	119.2	119.9	126.6
1	-0.59	10.4	16.0	17.3	-1.9	-1.8	3.0	2.4	4.5	3.7	-58	-54	3.6	12	205.4	114.1	114.7	120.2
2	-0.53	10.0	15.3	16.7	-1.7	-1.7	2.7	2.2	4.3	3.6	-53	-48	3.3	10	201.2	113.4	114.1	119.4
3	-0.48	9.7	14.9	16.3	-1.6	-1.6	2.5	2.0	4.1	3.5	-50	-46	3.1	10	198.3	113.0	113.6	118.8
4	-0.42	9.5	14.6	16.0	-1.5	-1.5	2.3	1.9	4.0	3.4	-48	-43	2.9	9	196.1	112.7	113.3	118.4
5	-0.34	9.3	14.3	15.7	-1.4	-1.5	2.2	1.8	3.9	3.3	-46	-41	2.8	8	194.4	112.4	113.0	118.1
10	-0.05	8.8	13.4	14.8	-1.3	-1.3	1.9	1.5	3.5	3.1	-38	-35	2.5	7	188.1	111.5	112.1	116.9
15	0.03	8.4	12.8	14.2	-1.1	-1.2	1.7	1.3	3.3	2.9	-33	-30	2.3	6	183.8	110.9	111.5	116.1
20	0.08	8.0	12.3	13.6	-1.0	-1.1	1.5	1.1	3.1	2.8	-29	-26	2.1	5	180.4	110.3	111.0	115.4
25	0.11	7.8	11.9	13.2	-1.0	-1.0	1.3	0.9	3.0	2.7	-25	-23	2.0	4	177.4	109.9	110.6	114.8
30	0.14	7.5	11.5	12.8	-0.9	-0.9	1.2	0.8	2.9	2.6	-22	-20	1.8	4	174.6	109.5	110.2	114.3
35	0.16	7.2	11.1	12.3	-0.8	-0.8	1.1	0.7	2.8	2.6	-20	-17	1.7	3	171.8	109.2	109.8	113.7
40	0.19	7.0	10.7	11.9	-0.8	-0.8	1.0	0.6	2.7	2.5	-17	-14	1.6	3	169.2	108.8	109.5	113.2
45	0.21	6.7	10.3	11.5	-0.7	-0.7	0.9	0.5	2.6	2.4	-14	-12	1.5	2	166.4	108.4	109.1	112.7
50	0.23	6.5	10.0	11.1	-0.6	-0.6	0.8	0.4	2.5	2.3	-12	-9	1.4	2	163.7	108.1	108.7	112.1
55	0.25	6.2	9.6	10.6	-0.6	-0.6	0.6	0.3	2.4	2.2	-9	-6	1.3	2	160.8	107.7	108.3	111.6
60	0.27	5.9	9.2	10.1	-0.5	-0.5	0.5	0.2	2.3	2.2	-6	-4	1.1	1	157.8	107.3	107.9	111.0
65	0.29	5.5	8.8	9.6	-0.5	-0.5	0.4	0.1	2.2	2.1	-3	-1	1.0	1	154.8	107.0	107.5	110.3
70	0.31	5.2	8.3	9.1	-0.4	-0.4	0.3	0.0	2.0	2.0	1	3	0.9	0	151.6	106.6	107.1	109.7
75	0.33	4.8	7.8	8.5	-0.3	-0.3	0.2	-0.1	1.9	1.8	4	6	0.7	-1	148.4	106.2	106.6	109.0
80	0.36	4.3	7.3	7.8	-0.2	-0.2	0.1	-0.2	1.7	1.6	9	10	0.5	-1	144.8	105.7	106.1	108.2
85	0.39	3.8	6.7	7.0	-0.1	-0.1	-0.1	-0.3	1.5	1.4	14	15	0.3	-2	140.9	105.2	105.5	107.4
90	0.42	3.1	5.8	6.0	0.1	0.1	-0.3	-0.5	1.2	1.1	21	23	0.1	-4	136.1	104.5	104.7	106.3
95	0.48	2.1	4.4	4.3	0.5	0.4	-0.5	-0.8	0.7	0.7	33	35	-0.4	-7	128.3	103.3	103.3	104.5
100	0.91	-9.7	-13.9	-15.4	6.5	4.9	-3.2	-3.0	-1.9	-1.6	169	151	-5.3	-27	14.4	87.9	73.0	38.9

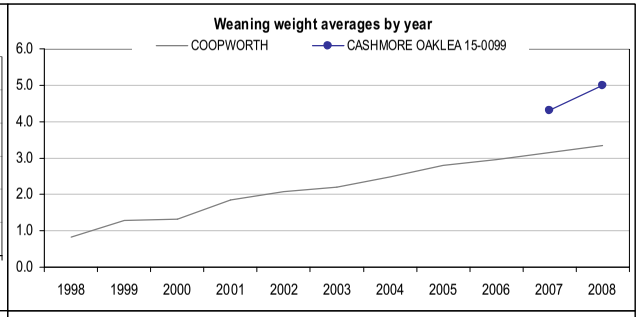
CASHMORE OAKLEA
DON & JOHN
15-0099

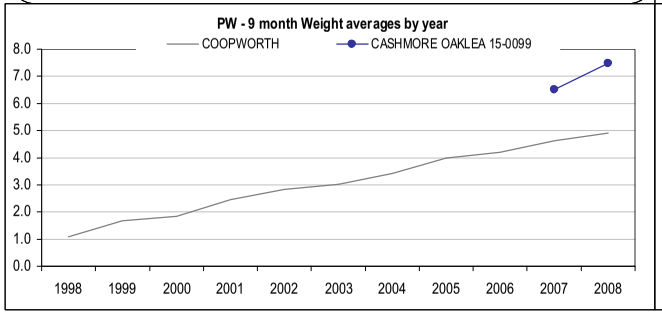
SHEEP GENETICS

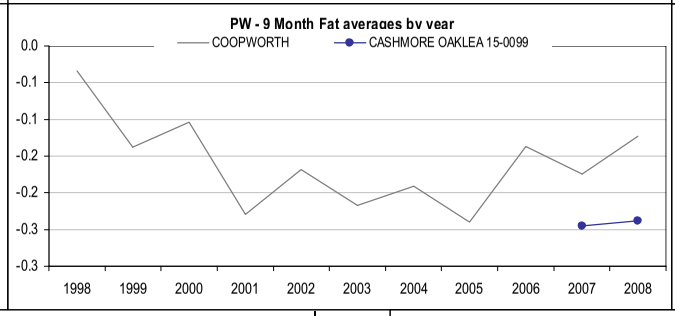
Analysis : ***COOPWORTH*** Dated : 15/09/09

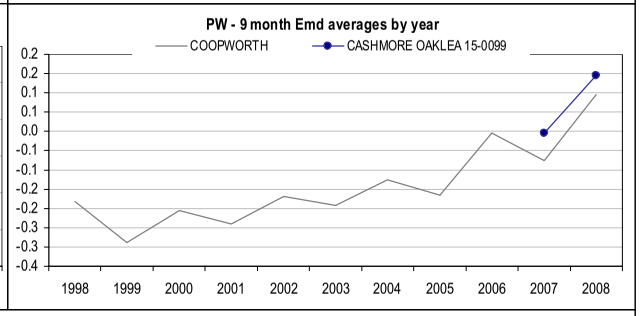










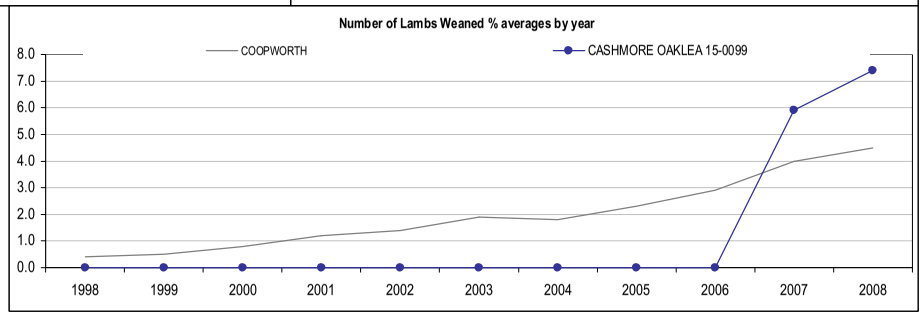


COOPWORTH

	WWT	PWWT	PFAT	PEMD	YGFW%	YFD	NLW%	PFEC	Coopworth$	Counts
1999	1.3	1.7	-0.1	-0.3	1.0	0.74	1	8.4	103	5027
2000	1.3	1.8	0.0	-0.2	0.5	0.81	1	9.8	104	4457
2001	1.8	2.5	0.0	-0.2	1.0	0.79	1	8.8	105	5392
2002	2.1	2.8	0.0	-0.2	2.5	1.12	1	12.2	106	5123
2003	2.2	3.0	0.0	-0.2	1.2	0.92	2	8.3	107	6131
2004	2.5	3.4	0.0	-0.1	1.1	1.02	2	10.2	108	6932
2005	2.8	4.0	0.0	-0.2	1.6	1.29	2	6.7	109	7532
2006	3.0	4.2	0.0	0.0	0.9	1.08	3	7.0	110	11236
2007	3.2	4.6	0.0	-0.1	2.1	1.19	4	7.2	112	12022
2008	3.3	4.9	-0.1	0.1	1.0	1.10	5	7.2	113	11348

CASHMORE OAKLEA 15-0099

	WWT	PWWT	PFAT	PEMD	YGFW%	YFD	NLW%	PFEC	Coopworth$	Counts
1999	0.0	0.0	0.0	0.0	0.0	0.00	0	0.0	0	0
2000	0.0	0.0	0.0	0.0	0.0	0.00	0	0.0	0	0
2001	0.0	0.0	0.0	0.0	0.0	0.00	0	0.0	0	0
2002	0.0	0.0	0.0	0.0	0.0	0.00	0	0.0	0	0
2003	0.0	0.0	0.0	0.0	0.0	0.00	0	0.0	0	0
2004	0.0	0.0	0.0	0.0	0.0	0.00	0	0.0	0	0
2005	0.0	0.0	0.0	0.0	0.0	0.00	0	0.0	0	0
2006	0.0	0.0	0.0	0.0	0.0	0.00	0	0.0	0	0
2007	4.3	6.5	-0.2	0.0	-0.9	1.21	6	-0.5	117	2940
2008	5.0	7.5	-0.2	0.1	-3.1	1.10	7	-0.6	120	2140



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LAMBPLAN ASBV

Linkage Summary

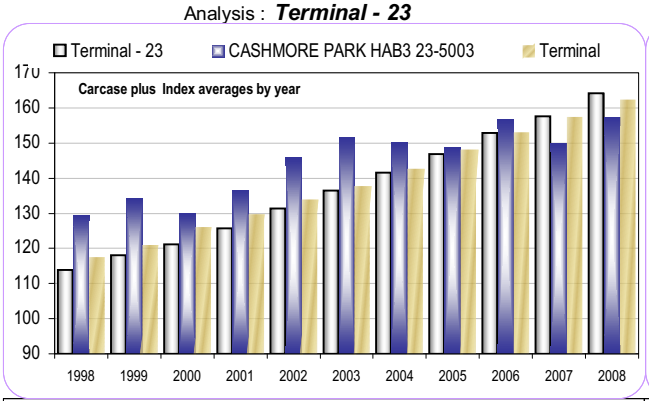
CASHMORE OAKLEA 15-009	Linked
Fleece	Yes
Weights	Yes
Carcase	Yes
FEC	Yes
Reproduction	Yes

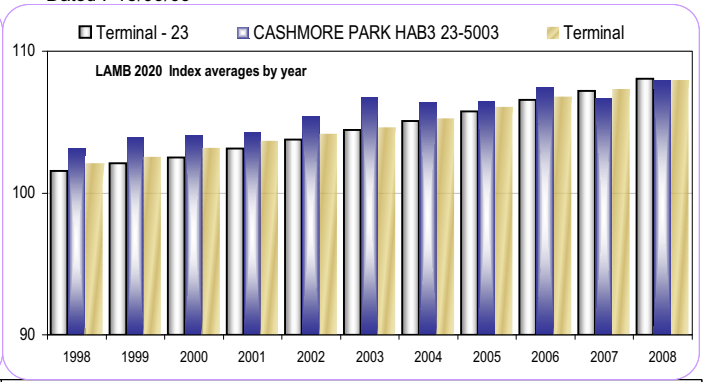
21/09/2009

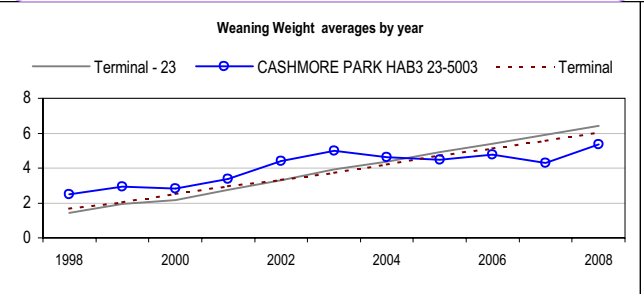
CASHMORE PARK HAB3
JOHN KEILLER
23-5003

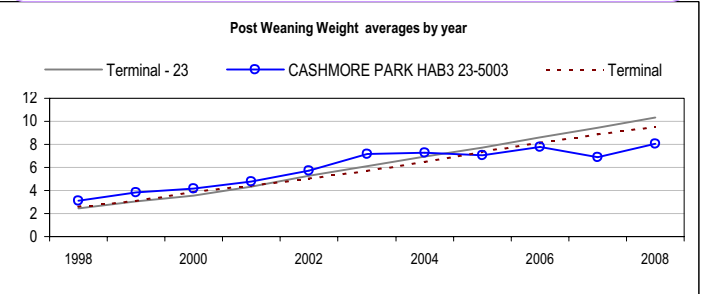
SHEEP GENETICS

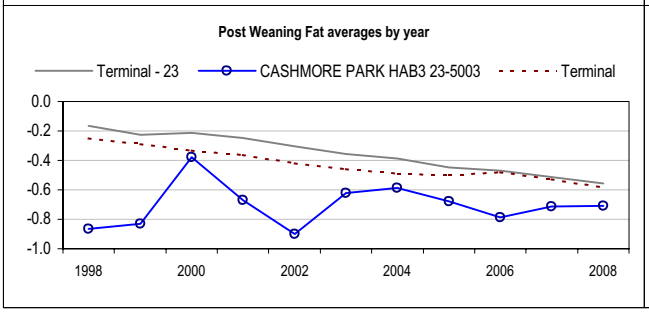
Analysis : ***Terminal - 23*** Dated : 15/09/09

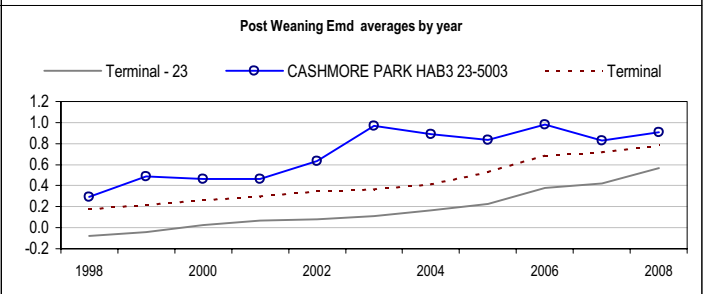










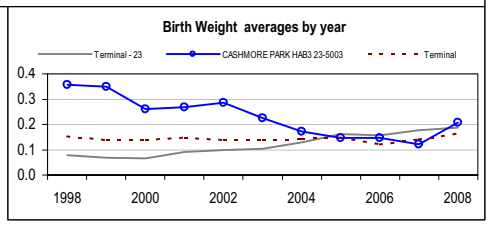


Terminal - 23

	Bwt	Wwt	Pwwt	Pfat	Pemd	Ywt	Carcase +	Counts
1999	0.07	1.94	3.05	-0.23	-0.04	3.55	118.1	25111
2000	0.07	2.17	3.58	-0.21	0.02	4.13	121.1	26990
2001	0.09	2.77	4.33	-0.25	0.07	5.01	125.7	30420
2002	0.10	3.32	5.26	-0.31	0.08	5.98	131.3	30292
2003	0.10	3.92	6.12	-0.36	0.11	6.98	136.6	30096
2004	0.13	4.37	6.94	-0.39	0.16	7.73	141.5	35207
2005	0.16	4.91	7.75	-0.45	0.23	8.57	146.9	35701
2006	0.16	5.40	8.62	-0.47	0.38	9.44	152.8	37032
2007	0.18	5.91	9.42	-0.51	0.42	10.25	157.7	34398
2008	0.19	6.44	10.35	-0.56	0.56	11.12	164.2	36108

CASHMORE PARK HAB3 23-5003

	Bwt	Wwt	Pwwt	Pfat	Pemd	Ywt	Carcase +	Counts
1999	0.35	2.93	3.82	-0.83	0.49	4.40	134.2	417
2000	0.26	2.81	4.18	-0.38	0.46	5.29	129.8	652
2001	0.27	3.38	4.76	-0.67	0.46	5.64	136.6	571
2002	0.29	4.40	5.73	-0.90	0.64	6.33	145.9	574
2003	0.23	5.00	7.15	-0.62	0.97	8.39	151.6	651
2004	0.17	4.62	7.26	-0.59	0.89	7.68	150.3	678
2005	0.15	4.48	7.06	-0.68	0.83	7.88	148.9	594
2006	0.15	4.79	7.78	-0.79	0.98	8.92	156.8	738
2007	0.12	4.31	6.90	-0.71	0.83	8.16	149.9	833
2008	0.21	5.35	8.08	-0.71	0.91	9.13	157.4	633



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

Linkage Summary	
CASHMORE PARK HAB3 23-5003	
	linked
Wts	Yes
Carcase	Yes
FEC	Yes
Reproduction	Yes
Site Code	235003

LAMBPLAN ASBV

Phone 02 6773 2948
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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.

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

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

- **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.

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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