

CHAROLAIS

GENOMIC BREEDING VALUE REPORT

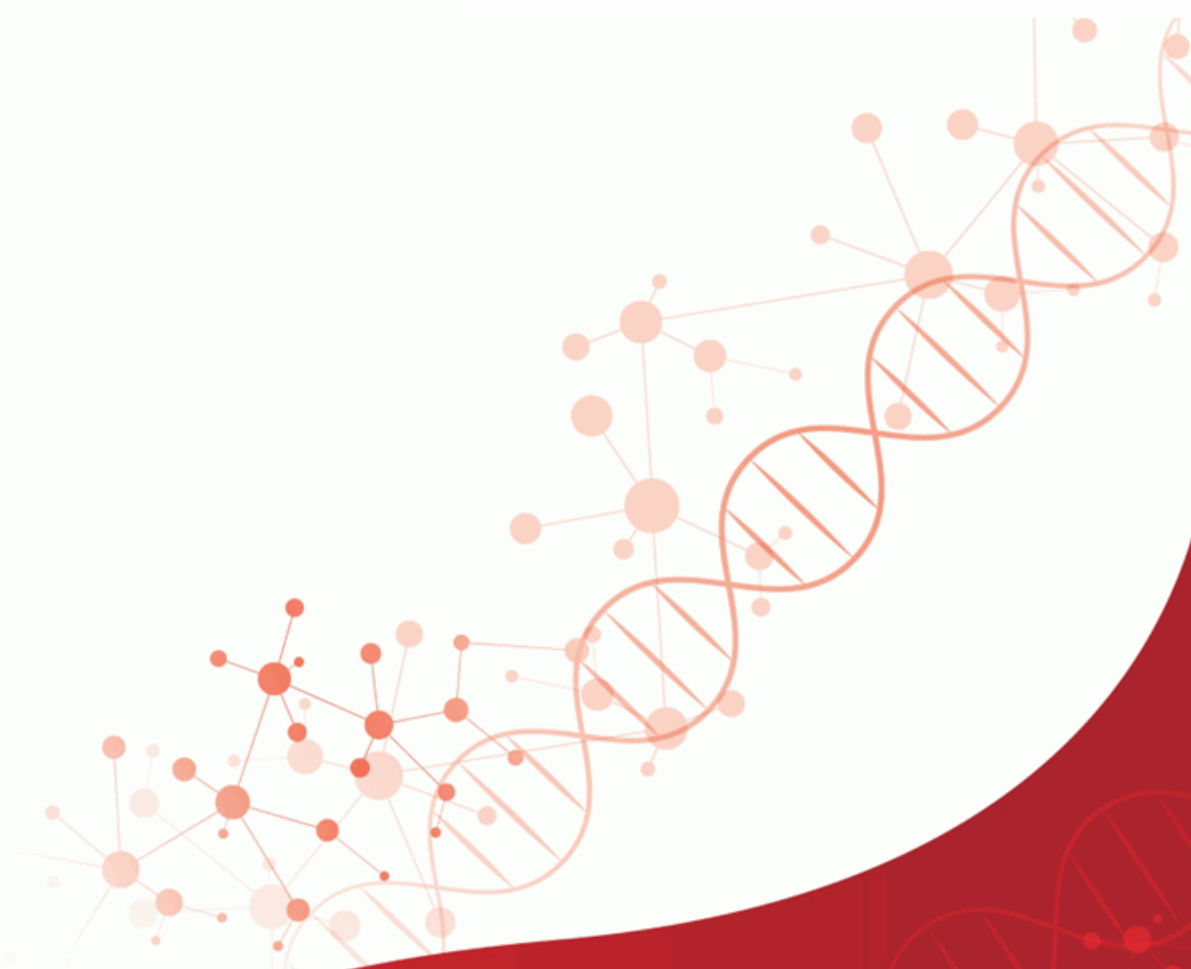
September 2026



MARSHALL CHAROLAIS STUD

Herd Number: 649252

E-mail: june@stemma.co.za



EBVs, EBVi's and GEBVs

EBVi (Breeding Value Index): Genetic potential relative to the average (100) of the live (active) animals in the breed. Roughly 50% of the animals have values between 90 and 110. Values above 100, depending on the trait, tend to be in the more favourable direction.

EBV (Breeding Value): Genetic potential relative to the average of the animals born in the base year (1990), expressed in the unit of measurement.

GEBV (Genomic Breeding Value) Interpreted like the EBVi. (GEBV = EBV + Genomic information)

LOGIX Selection values combine different breeding values in a logical way. For example, Heifer Fertility (how early a heifer starts calving), Cow Fertility (how regular she calves) and Longevity (retention within the family) are combined to form the Fertility Value.

Selection Values

LOGIX Cow Value



Selecting for:

- fertile,
- low maintenance,
- easy calving cows
- with heavy weaners

LOGIX Growth Value



Select for efficient growers on veld and in feedlot, as measured in Phase C and D Growth Tests.

LOGIX Production Value



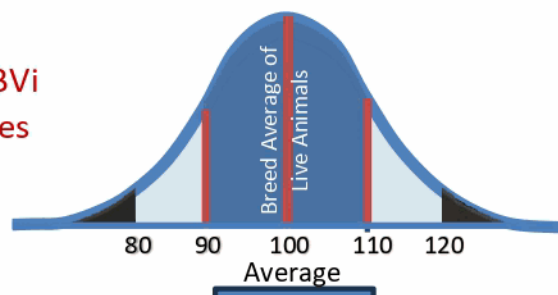
80% LOGIX Cow Value +
20% LOGIX Growth Value

LOGIX Carcass Value

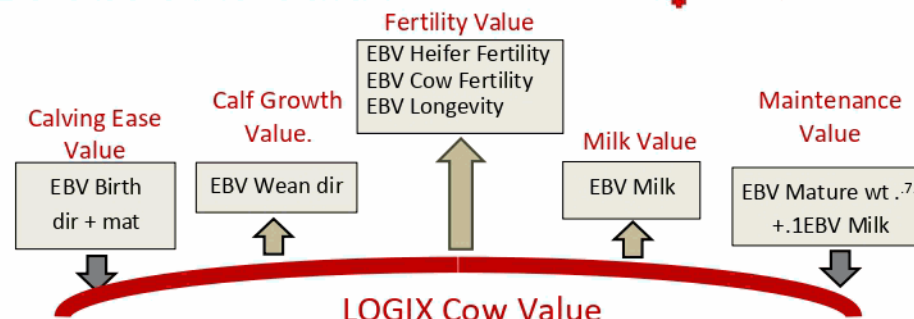


Select for more meat on the carcass as measured from end weight in Phase C and D Growth Tests and RTU scanning.

Interpretation of EBVi and Selection Values



LOGIX Cow Value



Fertile cows that produce a heavy calf relative to her own weight.

How to use the Cow Value

Selection values should be compatible with your selection goal.

AVERAGE ANIMALS

(NO GROWTH EXTREMES)

- Selection Values 90 to 110
 - Cow Value and Fertility Value average to high
- A safe choice, as animals are profitable in most environments.

GROWERS

(GOOD ENVIRONMENT)

- WeanerCalf / Growth Value > 120
 - Cow Value and Fertility Value average to high
- Growers are usually heavier at birth (lower Calving Ease Value), and maturity (lower Maintenance Value).

LOW- MAINTENANCE ANIMALS

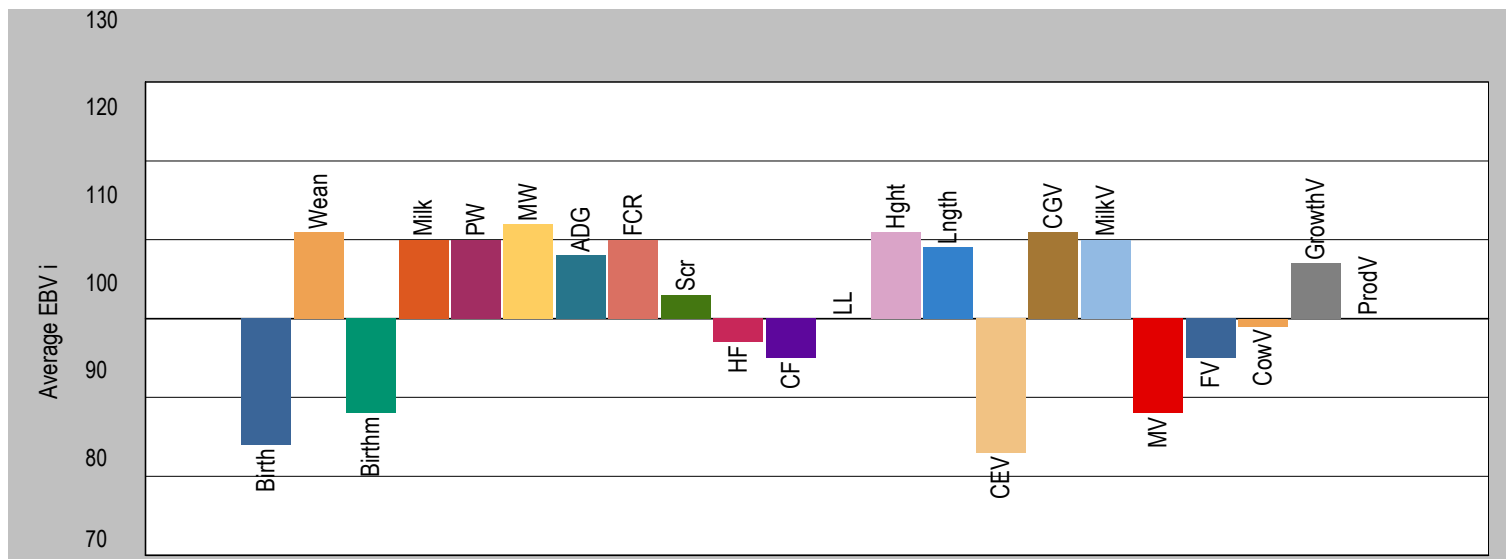
(HARSH ENVIRONMENT)

- Maintenance Value >110
 - Cow Value and Fertility Value average to high
- Lighter cows have a lower maintenance.

Examples

Type of Animal	Cow Value	Calving Ease V	Weaner Calf V	Milk Value	Maint. Value	Fertility Value
Average	Med-High	Avg	Avg	Avg	Avg	Med-High
Grower	Med-High		High			Med-High
Low Maintenance	Med-High				High	Med-High

Herd and Breed Averages



Breeding Values:

Birth:	Birth weight	Scr:	Scrotal circumf.
Wean:	Weaning weight	HF:	Heifer Fertility
Birthm:	Birth maternal	CF:	Cow Fertility
Milk:	Milk	LL:	Longevity
PW:	Post-wean weight	Hght:	Height
MW:	Mature weight	Lngh:	Length
ADG:	Average Daily Gain		
FCR:	Feed Conversion Ratio		

Selection Values:

CEV:	Calving Ease Value
CGV:	Calf Growth Value
MilkV:	Milk Value
MV:	Maintenance Value
FV:	Fertility Value
CowV:	Cow Value (CV)
GrowthV:	Growth Value (GV)
ProdV:	Production Value (PV)

	Trait	EBV Herd	EBVIndex	EBV Breed
Prewrite Growth	Birth Weight	2.35	84	0.55
	Wean Weight	15.9	111	10.9
	Birth Mat.	0.35	88	-0.18
	Milk (Wn.Mat.)	3.9	110	0.9
Postwean Growth	Postwean Wt	25.1	110	18.2
	Mature Weight	25	112	13
	ADG	67	108	35
	FCR	-27	110	-19
Fertility	Scrotal Circumf.	7.5	103	6.1
	Heifer Fertility	3.7	97	1.7
	Cow Fertility	-1.1	95	-2.1
	Longevity	14.2	100	14.4
Frame	Height	11	111	3
	Length	19	109	9

Selection Value	Ave. Herd
Calving Ease	83
Calf Growth	111
Milk	110
Maintenance	88
Fertility	95
Cow Value	99
Growth Value	107
Production Value	100

- Average of live animals in the breed: 100
- Above 100: **more favourable**,
- Below 100: **less favourable**

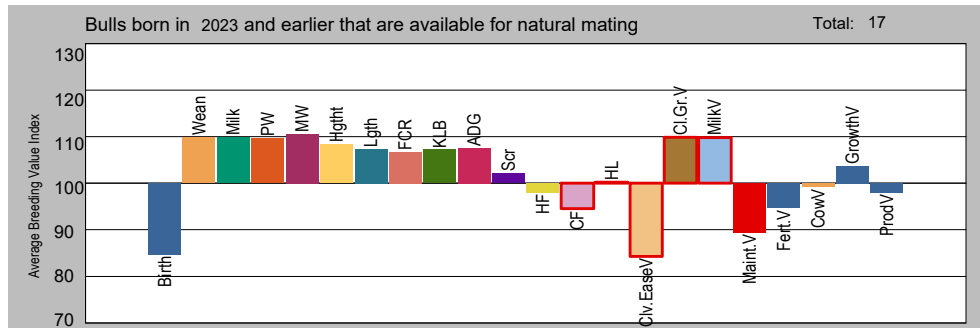
What does a sub-selection value above breed average (100) mean?:

Calving ease:	Smaller calf at birth - easier calving
Calf growth:	Heavier calves at wean due to growth potential of the calf
Milk:	Cows with more milk and better mothering ability
Maintenance:	Animals with low maintenance requirements (lower mature weight).
Fertility:	Cows/daughters that calve

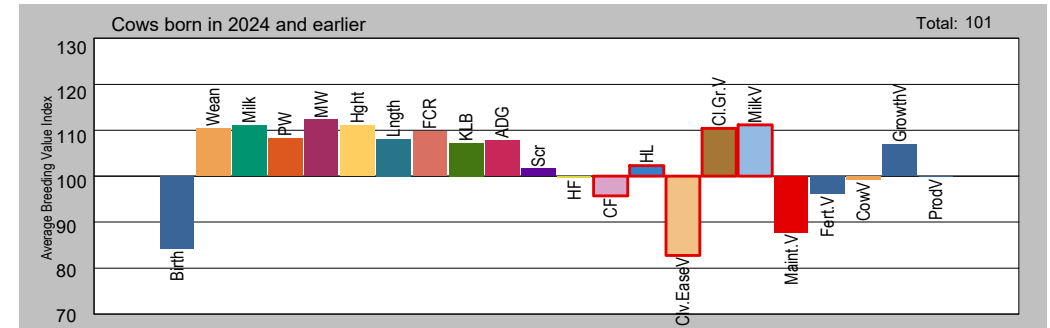
Genetic Windows

Animals available for breeding

Bulls on the farm

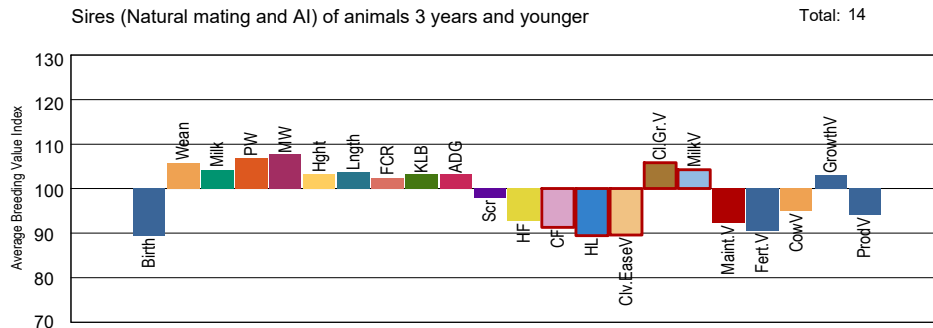


Cow Herd

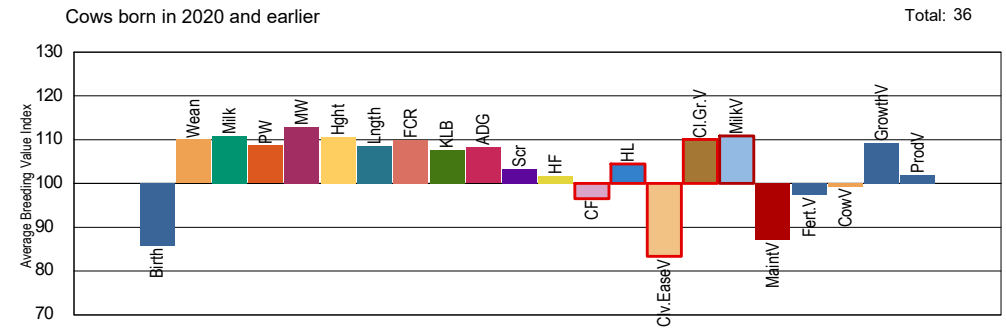


Results of previous selection decisions

Sires of young animals

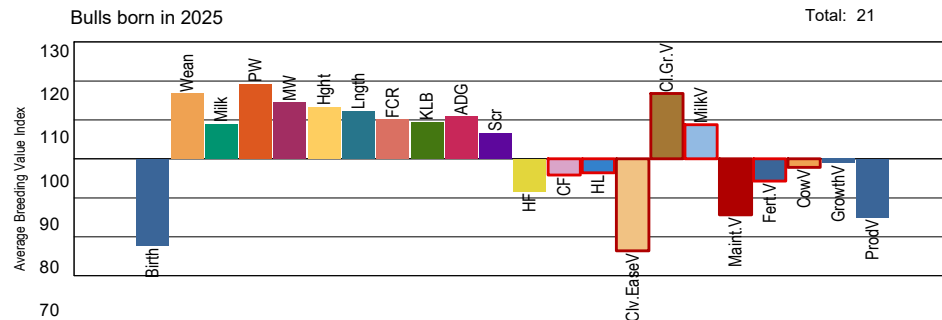


Cows older than 6 years

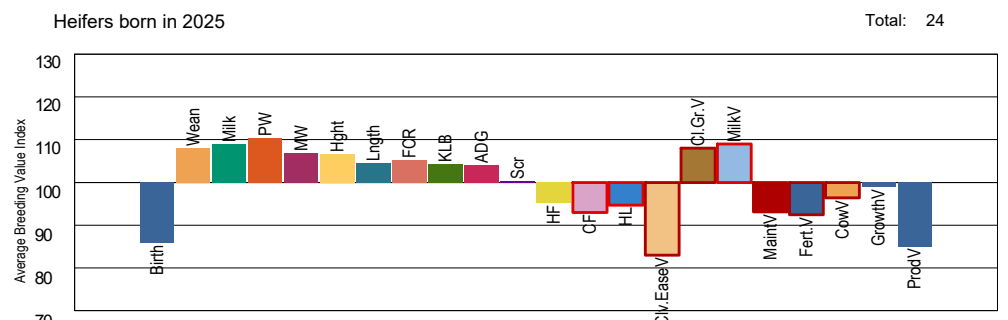


Selection possibilities

Bull calves



Heifer calves

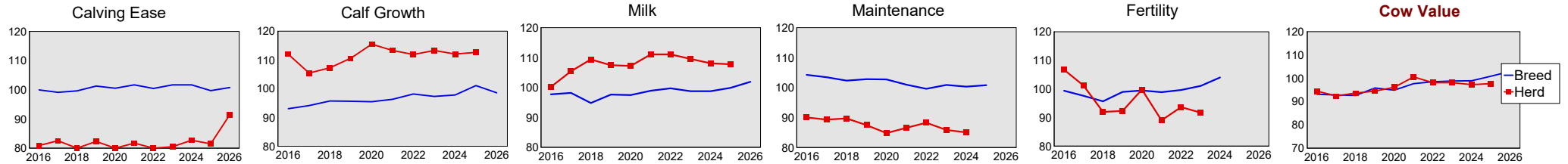


Summary of Cow Herd

			Selection Values (SV)								Calf Weight		Dam		Growth & Efficiency				Fertility				Frame		
Birth Year	No. Cows	Average Cow Value	Calving Ease	Calf Grwth	Milk	Maint.	Fertility	Cow Value	Growth Value	Prod Value	Birth Weight	Wean Weight	Birth Mat.	Milk (Wn.Mat)	Postwn Weight	Mature Weight	ADG	Kleiber	Scrotal Circumf.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	
Cows in Breed Average:			100	99	100	101	100	100	99	99	100	99	100	100	100	99	99	99		99	100	100	100	99	99
2010	1	★★★★☆	107	102	132	64	133	124	113	120	104	102	123	132	113	136	111	107	108	136	126	114	120	118	
2011	2	★★★★☆	82	113	116	88	89	102	123	109	84	113	89	116	111	112	116	116	109	95	89	105	119	116	
2012	4	★★★★☆	85	107	120	90	82	102	106	101	87	107	90	120	110	111	111	112	106	89	83	99	116	109	
2013	2	★★★★☆	91	114	105	93	98	107	107	105	89	114	115	105	117	108	105	105	99	106	96	98	112	107	
2016	1	★★★★★	93	114	112	84	102	112	107	109	92	114	113	112	115	116	107	104	105	103	102	103	113	108	
2017	7	★★★★☆	75	118	110	83	110	101	115	103	79	118	71	110	118	117	114	113	110	109	108	107	112	114	
2018	11	★★★★	84	102	113	91	90	93	104	92	87	102	80	113	98	109	102	102	97	98	90	106	105	103	
2019	3	★★★★☆	88	111	104	87	98	100	108	95	88	111	100	104	116	113	107	106	103	102	97	104	108	107	
2020	5	★★★★	81	116	101	85	103	98			84	116	84	101	107	115	110	109	103	104	103	103	111	110	
2021	11	★★★★☆	87	106	116	91	97	103	101	99	88	106	98	116	100	109	106	107	95	106	95	105	112	105	
2022	18	★★★★	83	108	110	89	93	96	98	92	84	108	88	110	102	111	106	106	100	96	93	97	109	106	
2023	19	★★★★☆	76	119	110	84	96	100	115	99	76	119	93	110	119	116	112	111	106	93	97	102	115	113	
2024	17	★★★★☆	86	107	112	90	97	100			88	107	86	112	107	110	105	104	99	102	96	102	109	106	
2025	24	★★★★	83	108	109	93	92	96	99	85	86	108	83	109	110	107	104	104	100	95	93	95	107	105	
2026	12	★★★★☆	92	110	108	89	100	105			92	110	94	108	108	111	108	107	105	99	101	96	111	109	
Cows in Herd Average:			86	110	112	87	99	103	108	101	87	110	94	112	110	113	108	108	103	102	98	102	112	109	

Genetic Trends for On-Farm Traits

The graphs show the genetic gain of the herd relative to the breed. Only data of animals with measurements are included.



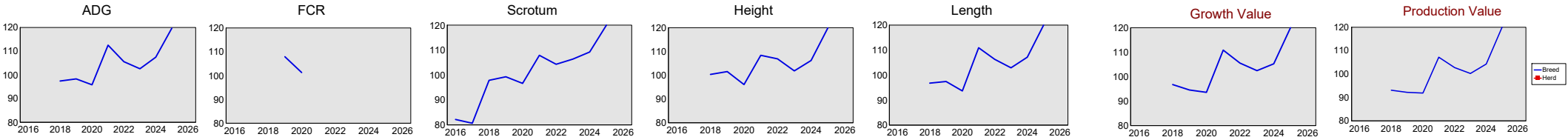
Herd

Birth Year	Calving Ease				Calf Growth			Milk			Maintenance			Fertility						Cow Value			
	Birth Weight			Calv. Ease	Weaning Weight		Calf Growth	Milk (Wn.Mat.)		Milk	Postwean Weight		Mature Weight		Mainte-nance	Heifer Fert.		Cow Fert.			Longevity		Ferti-lity
	Number	Dir EBV	Mat EBV		Number	EBV		Number	EBV		Number	EBV	Number	EBV		Number	EBV	Number	EBV		Number	EBV	
2016	39	2.48	0.40	81	24	16.4	112	24	0.94	100	22	28.2			90	3	-3.6	3	-3.0	32	11.0	107	94
2017	125	2.29	0.48	83	101	13.5	105	101	2.53	105	61	25.2			89	18	-2.1	11	-2.0	74	9.2	101	92
2018	47	2.67	0.55	80	36	14.3	107	36	3.73	109	34	22.8			90	16	1.6	13	-0.4	37	11.9	92	94
2019	40	2.35	0.48	82	34	15.9	111	34	3.17	107	34	26.9			88	9	5.4	3	-1.3	37	11.5	92	95
2020	61	2.91	0.51	77	46	18.1	115	46	3.09	107	44	30.1			85	3	6.8	1	-3.3	59	10.1	100	96
2021	54	2.49	0.27	82	46	17.2	113	46	4.27	111	45	27.9			87	5	2.0	1	0.6	43	10.7	89	101
2022	57	2.93	0.52	79	44	16.5	112	44	4.26	111	47	26.2			88	3	5.0			19	9.0	94	98
2023	47	2.66	0.26	80	25	17.2	113	25	3.77	110	28	29.1			86	8	7.3					92	98
2024	42	2.40	0.46	83	25	16.6	112	25	3.37	108	22	29.4			85								97
2025	37	2.47	0.42	82	26	16.8	113	26	3.29	108													98
2026	22	1.45	0.15	91																			

Breed

Birth Year	Calving Ease				Calf Growth			Milk			Maintenance					Fertility							Cow Value
	Birth Weight			Calv. Ease	Weaning Weight		Calf Growth	Milk (Wn.Mat.)		Milk	Postwean Weight		Mature Weight		Maintenance	Heifer Fert.		Cow Fert.		Longevity		Ferti- lity	
	Number	Dir EBV	Mat EBV		Number	EBV		Number	EBV		Number	EBV	Number	EBV		Number	EBV	Number	EBV	Number	EBV		
2016	1099	0.56	-0.08	100	863	7.7	93	863	0.18	98	663	13.6	137	5	104	240	1.0	197	-2.1	1108	9.4	99	93
2017	1299	0.62	-0.11	99	1029	8.2	94	1029	0.34	98	796	13.9	155	8	103	257	1.9	224	-1.7	1213	9.5	98	93
2018	1392	0.55	-0.12	100	1050	9.0	96	1050	-0.70	95	857	15.6	182	10	102	287	2.1	251	-1.4	1378	10.2	96	93
2019	1431	0.42	-0.16	101	1078	8.9	96	1078	0.16	98	821	15.3	174	9	103	276	1.5	227	-2.1	1375	10.9	99	96
2020	1636	0.46	-0.16	101	1150	8.9	96	1150	0.10	97	894	15.0	189	8	103	260	1.7	225	-2.3	1544	10.3	99	95
2021	1590	0.35	-0.15	102	1209	9.2	96	1209	0.56	99	928	17.0	162	10	101	216	1.7	164	-2.3	1390	10.0	99	98
2022	1585	0.53	-0.24	100	1189	10.1	98	1189	0.80	100	898	18.0	147	11	100	236	2.4	80	-2.8	497	7.7	100	99
2023	1641	0.37	-0.24	102	1310	9.7	97	1310	0.50	99	969	17.0	36	6	101	152	1.8					101	99
2024	1541	0.33	-0.17	102	1239	9.9	98	1239	0.50	99	896	18.5			100	1	1.0					104	99
2025	1470	0.57	-0.18	100	971	11.5	101	971	0.87	100	141	17.5			101								101
2026	517	0.43	-0.13	101	25	10.3	99	25	1.46	102													103

Genetic Trends for Growth Test Traits



Herd

Birth Year	Growth									Frame						Selection Values	
	FCR			ADG			Scrotal Circumf.			Height			Length			Growth Value	Prod Value
	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi		
2016																	
2017																	
2018																	
2019																	
2020																	
2021																	
2022																	
2023																	
2024																	
2025																	

Breed

Birth Year	Growth									Frame						Selection Values	
	FCR			ADG			Scrotal Circumf.			Height			Length			Growth Value	Prod Value
	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi		
2016				21	-26	84	21	-3.0	82	21	-9	85	21	-12	80	82	79
2017							3	-3.8	81								
2018				60	26	97	58	5.0	98	58	3	100	58	6	97	97	93
2019	15	-26	108	40	29	98	40	5.7	99	40	4	102	40	7	97	95	92
2020	15	-20	101	79	19	96	83	4.4	97	83	0	96	83	3	94	94	92
2021				52	84	113	52	10.2	108	52	9	108	52	21	111	111	107
2022				64	57	106	70	8.3	104	70	8	107	70	16	106	106	103
2023				85	45	103	88	9.3	106	88	4	102	88	13	103	102	100
2024				78	64	107	77	10.8	109	78	7	106	78	17	107	105	104
2025				21	111	120	21	20.0	127	21	17	120	21	41	129	121	125

Percentile Table for Bulls (based on live animals)

%	Calf weight			Growth & efficiency				Fertility				Frame	
	Birth weight	Weaning weight	Milk (WW.Mat.)	Post wean	Mature weight	ADG	Kleiber	Scrotal circum.	Heifer Fertility	Cow Fertility	Longevity	Height	Length
Mean	0.54	11.4	0.9	18.9	15	43	34	7.2	2.3	-2.1	14.1	4	12
Top	-5.29	30.5	14.2	48.9	57	212	116	28.5	-28.1	-9.7	33.0	36	56
1	-3.36	27.5	10.7	43.3	45	187	94	28.5	-16.3	-7.2	30.1	27	51
2	-2.72	25.8	9.4	39.7	41	158	82	24.7	-14.2	-6.5	27.8	24	44
3	-2.37	24.1	8.3	37.2	39	146	78	22.7	-13.4	-6.0	26.1	23	42
4	-2.10	23.0	7.4	35.9	37	137	75	21.2	-12.0	-5.8	24.7	21	40
5	-1.94	22.3	6.9	34.7	36	132	71	19.5	-10.9	-5.5	23.8	20	38
6	-1.78	21.6	6.5	33.6	35	127	69	18.6	-10.1	-5.4	23.3	19	36
7	-1.66	21.0	6.1	32.7	33	120	67	17.8	-9.5	-5.2	22.8	19	35
8	-1.55	20.5	5.9	32.1	32	116	65	16.7	-8.7	-5.1	22.4	18	34
9	-1.45	20.1	5.7	31.4	31	113	63	16.4	-8.0	-5.0	21.7	17	32
10	-1.29	19.8	5.4	30.7	30	110	62	15.9	-7.4	-4.9	21.4	16	31
20	-0.67	16.6	3.5	26.4	25	84	51	12.0	-3.8	-3.8	18.7	12	23
30	-0.22	14.6	2.5	22.9	20	67	44	9.8	-1.5	-3.2	16.8	9	19
40	0.14	12.6	1.6	20.3	17	53	39	8.1	0.4	-2.6	15.3	6	15
50	0.45	10.9	0.8	18.2	14	39	33	6.5	2.4	-2.0	13.9	3	11
60	0.79	9.4	0.0	16.3	11	28	27	5.0	4.2	-1.5	12.6	1	7
70	1.21	7.9	-0.9	14.2	8	15	23	3.5	6.2	-1.0	10.9	-2	4
80	1.72	6.2	-1.9	11.6	4	3	17	1.9	8.5	-0.3	9.0	-4	0
90	2.60	3.8	-3.3	8.0	-1	-15	7	-0.3	12.2	0.6	6.6	-8	-5
91	2.74	3.5	-3.5	7.5	-1	-18	6	-0.5	12.5	0.7	6.3	-9	-6
92	2.90	3.2	-3.7	6.8	-2	-21	4	-0.7	13.1	0.8	6.1	-9	-7
93	3.01	2.9	-4.1	6.3	-3	-23	3	-1.3	13.8	1.0	5.8	-10	-8
94	3.18	2.4	-4.4	5.6	-4	-26	1	-1.8	14.5	1.1	5.6	-10	-8
95	3.44	1.7	-4.8	5.1	-6	-32	-1	-2.2	15.2	1.3	5.3	-11	-9
96	3.63	0.8	-5.1	4.1	-7	-36	-5	-2.8	16.2	1.5	4.8	-12	-10
97	3.92	0.3	-5.6	3.3	-8	-43	-9	-3.4	17.6	1.8	4.2	-13	-12
98	4.18	-0.9	-6.1	2.0	-10	-54	-13	-4.6	18.5	2.2	3.4	-14	-14
99	4.76	-2.1	-6.9	-0.7	-14	-69	-20	-6.5	20.0	2.7	1.8	-18	-18
Bottom	5.79	-12.6	-9.3	-10.1	-26	-226	-102	-15.8	26.0	5.6	-3.7	-35	-48

Percentile Table for Cows (based on live animals)

%	Calf weight			Growth & efficiency				Fertility				Frame	
	Birth weight	Weaning weight	Milk (WW.Mat.)	Post wean	Mature weight	ADG	Kleiber	Scrotal circum.	Heifer Fertility	Cow Fertility	Longevity	Height	Length
Mean	0.56	10.7	0.9	17.9	12	31	30	5.5	1.4	-2.1	14.5	2	8
Top	-4.87	30.5	17.0	48.7	58	212	108	28.5	-38.3	-11.5	33.0	36	56
1	-3.07	25.4	12.0	39.0	45	152	83	24.8	-23.1	-8.4	30.7	23	43
2	-2.54	23.3	10.4	36.3	41	141	77	21.7	-19.2	-7.6	28.6	21	39
3	-2.18	22.3	9.4	34.4	38	133	73	19.8	-17.6	-7.1	27.0	20	35
4	-1.95	21.5	8.6	32.9	36	124	70	18.3	-16.2	-6.7	26.0	18	34
5	-1.78	20.7	7.9	32.1	34	115	66	17.1	-14.8	-6.5	25.3	18	32
6	-1.64	20.0	7.4	31.3	32	109	64	16.3	-13.8	-6.1	24.5	17	30
7	-1.53	19.5	7.0	30.7	31	104	62	15.6	-12.9	-6.0	23.9	16	29
8	-1.38	18.9	6.6	30.0	30	101	61	15.0	-12.2	-5.7	23.5	15	28
9	-1.27	18.6	6.3	29.5	29	98	59	14.4	-11.5	-5.5	22.9	15	27
10	-1.19	18.2	6.0	29.0	28	95	58	13.9	-10.8	-5.3	22.5	14	27
20	-0.49	15.8	4.0	25.1	22	73	48	10.4	-6.1	-4.1	19.6	10	20
30	-0.10	13.8	2.7	22.2	18	55	41	8.2	-3.1	-3.3	17.6	7	15
40	0.24	12.1	1.7	19.8	15	42	35	6.6	-0.7	-2.7	15.8	4	11
50	0.54	10.4	0.8	17.5	12	29	29	5.2	1.5	-2.1	14.3	2	8
60	0.86	9.0	-0.1	15.6	9	18	24	3.6	3.9	-1.5	12.9	0	4
70	1.21	7.4	-1.2	13.2	6	5	18	2.1	6.1	-0.8	11.4	-3	1
80	1.64	5.7	-2.4	10.8	2	-8	12	0.3	9.0	0.0	9.5	-6	-3
90	2.32	3.4	-4.2	7.5	-5	-29	2	-2.2	13.4	1.1	6.8	-10	-9
91	2.42	3.2	-4.4	6.9	-6	-31	1	-2.5	14.0	1.3	6.5	-10	-10
92	2.53	2.7	-4.7	6.3	-7	-34	0	-3.0	14.7	1.4	6.2	-11	-10
93	2.67	2.3	-5.0	5.9	-8	-38	-2	-3.4	15.6	1.6	5.8	-12	-11
94	2.82	1.8	-5.4	5.2	-9	-42	-4	-3.9	16.2	1.8	5.4	-13	-12
95	2.96	1.3	-5.8	4.3	-11	-47	-6	-4.4	17.3	2.1	5.0	-13	-14
96	3.12	0.8	-6.2	3.3	-13	-53	-9	-5.0	18.4	2.4	4.3	-14	-15
97	3.37	-0.2	-6.8	2.2	-16	-60	-12	-5.8	19.7	2.7	3.6	-16	-17
98	3.60	-1.2	-7.6	0.9	-19	-69	-17	-6.6	21.8	3.3	2.4	-18	-19
99	4.22	-2.6	-9.2	-1.4	-22	-82	-28	-8.5	24.5	4.3	0.1	-21	-23
Bottom	5.79	-11.0	-16.4	-13.2	-41	-137	-69	-18.3	33.3	9.8	-24.3	-32	-36

Sires

Bull			Selection Values								Calf		Dam		Growth				Fertility				Frame		Measured Progeny					
ID	Index EBV Acc	Sire ID	Calv. Ease Value	Calf Grwth Value	Milk Value	Maint. Value	Fertility Value	Cow Value	Growth Value	Prod Value	Birth Dir	Wean Dir	Birth Mat.	Wean Mat.	Post wn wt	Mature weight	ADG	FCR	Scrotal	Heifer Fertility	Cow Fertility	Long-evi ty	Height	Length	Birth	Wean	Dgt/Calvs.			Grwth Test
																											Dam ID			
0397108304		5893113049 0389109544	100	101	93	108	84	97	112	98	101	101	92	93	104	92	109	102	110	103	80	85	66	92	181	138	36	122	37	
NELSON			97	97	93	67	74	82	79	81	0.47	11.3	0.16	-1.2	20.7	4	70	-21	11.4	-0.2	1.6	7.1	-22	1						
			97	97	93	67	74	82	79	81	98	97	92	93	94	67	88	66	92	88	61	95	92	91						
5232801219		GS538973 5294075519	94	119	104	75	101	110	116	109	93	119	107	104	141	125	115	122	113	94	103	85	112	115	65	63	12	38	2	
SNOOPY			95	94	84	38	58	68	51	65	1.37	19.6	-0.47	2.0	45.4	38	94	-37	12.6	6.0	-2.7	7.5	11	26						
			95	94	84	38	58	68	51	65	96	94	83	84	87	38	51	46	57	74	43	89	58	56						
7195122401		8587103951 7186127842	118	92	63	119	90	89	88	88	115	92	112	63	85	81	85	77	79	88	92	83	58	80	214	126	25	88	34	
LAUREL RR ELITE			98	97	92	75	80	86	82	85	-1.13	7.4	-0.73	-10.3	8.4	-7	-22	0	-4.6	10.3	-0.6	6.4	-28	-13						
			98	97	92	75	80	86	82	85	99	97	92	92	94	75	89	72	92	88	73	96	92	91						
8552394134		D1893102983 8596100049	101	98	109	99	97	104	97	101	98	98	124	109	96	101	103	100	97	96	98	82	113	106	159	116	20	71	10	
PINAY			97	96	89	67	64	77	70	76	0.76	10.1	-1.26	3.7	15.9	13	49	-19	4.4	4.3	-1.7	6.1	12	16						
			97	96	89	67	64	77	70	76	98	96	88	89	90	67	69	63	75	79	50	94	76	74						
8894104162		7187110011 4580102372	80	111	124	90	94	105	105	103	78	111	118	124	103	110	111	132	86	106	91	83	122	106	105	64	13	38	15	
JUMPER			96	94	84	54	60	72	56	69	3.03	16.1	-0.98	8.2	20.2	23	77	-45	-1.0	-2.2	-0.4	6.1	18	16						
			96	94	84	54	60	72	56	69	97	94	84	84	86	54	78	30	84	76	44	92	85	83						
98CHL		RVSCHL RR4 SCHL	96	88	103	90	90	84			95	88	106	103	75	110				89	92	82			9	4	2	8		
GIONO			71	56	49	32	22	38			1.10	5.3	-0.42	1.8	1.7	23				9.1	-0.5	5.9								
			71	56	49	32	22	38			74	56	44	49	43	32				26	18	40								
FR2101109 480		0395121015 2195101267	85	105	127	92	83	104			90	105	67	127	106	108	106	107	102	85	85	89	108	106	60	51	15	60		
SISTERON			94	93	85	42	59	69			1.65	13.3	1.31	9.0	22.0	21	57	-25	7.3	12.1	0.8	9.3	8	16						
			94	93	85	42	59	69			95	93	85	85	84	42	13	8	14	77	41	85	14	13						
FR7932491 006		RVS17 FR793249068 4	110	99	100						109	99	99	100	97							84			29	5				
ROULIO			80	56	20						-0.48	10.5	-0.15	0.8	16.5							6.9								
			80	56	20						88	56	5	20	9							36								
MBM00726 43		MBM0053095 MBF0026781	72	121	100	95	101	96			75	121	91	100	132	105	105		99	98	102	96	107	107	18	13				
MORNITY NERO			78	73	22	8	10	30			3.40	20.7	0.24	0.8	39.4	17	56		5.5	3.0	-2.5	12.3	8	17						
			78	73	22	8	10	30			84	73	22	22	38	8	11		11	11	8	49	11	10						
MCS 070032		THG 040021 THG 030065	68	104	124	93	97	89	114	93	68	104	130	124	102	107	116	118	105	130	87	93	129	113	53	39	13	60		
CORNICH 07 032			94	93	85	33	60	68	32	61	4.14	12.6	-1.50	8.4	19.8	20	96	-33	8.8	-19.3	0.4	11.2	24	23						
			94	93	85	33	60	68	32	61	95	93	85	85	88	33	36	26	37	75	46	88	37	37						
MCS 080017		THG 030062 THG 020117	62	104	117	94	49	74	92	76	66	104	71	117	115	106	94	99	96	56	55	71	106	96	43	36	7	22		
DALE 08 017			92	91	76	27	55	63	28	56	4.36	12.7	1.11	6.2	28.3	19	12	-18	4.2	32.3	6.4	0.8	7	5						
			92	91	76	27	55	63	28	56	94	91	74	76	85	27	31	24	31	70	40	84	32	31						

Sires

Bull			Selection Values								Calf		Dam		Growth				Fertility				Frame		Measured Progeny				
ID	Index EBV Acc	Sire ID	Calv. Ease Value	Calf Grwth Value	Milk Value	Maint. Value	Fertility Value	Cow Value	Growth Value	Prod Value	Birth Dir	Wean Dir	Birth Mat.	Wean Mat.	Post wn wt	Mature weight	ADG	FCR	Scrotal	Heifer Fertility	Cow Fertility	Long-evi ty	Height	Length	Birth	Wean	Dgt/Calvs.		Grwth Test
																											Dam ID		
MCS 090025		THG 030023 THG 060059	121	101	75	91	76	99	97	97	120	101	95	75	99	109	103	113	91	100	73	104	106	102	18	17	8	48	
09 025			89	87	80	24	53	61	27	54	-1.71	11.3	0.03	-6.7	17.4	21	47	-30	1.6	2.0	3.0	16.2	7	12					
											90	87	78	80	79	24	28	24	30	66	40	78	30	29					
MCS 090062		THG 030062 CY 990202	67	110	85	101	51	67	91	71	58	110	107	85	118	99	86	88	79	72	53	104	99	86	63	45	21	37	
09 062			94	93	84	30	62	68	30	60	5.35	15.7	-0.51	-3.7	30.2	12	-17	-9	-4.7	20.9	6.8	16.2	2	-6					
											96	93	81	84	85	30	35	24	36	81	43	86	36	36					
MCS 090064		MFET1512 THG 050030	75	111	112	86	124	97	108	98	78	111	93	112	110	114	103	107	96	129	119	80	114	105	85	71	15	35	
09 064			96	95	84	41	63	71	37	64	3.11	16.2	0.14	4.5	24.6	27	47	-25	4.3	-18.3	-5.7	4.7	13	15					
											97	95	84	84	88	41	46	26	48	77	49	88	48	48					
MCS 120006		FR210110948 THG 030031	105	85	120	107	97	102			109	85	44	120	67	93	81	82	78	117	91	87	89	86	79	56	10	28	
12 006			94	93	80	23	50	61			-0.46	3.7	2.33	6.9	-4.0	5	-37	-4	-5.2	-10.4	-0.5	8.0	-5	-6					
											96	93	79	80	72	23	17	18	20	64	36	85	20	20					
MCS 120010		FR210110948 THG 990054	64	126	109	81	99	96	114	97	70	126	67	109	135	119	116	118	119	96	101	87	117	117	84	65	21	48	
IRON MIKE			96	95	86	30	61	68	22	59	3.91	22.9	1.29	3.5	41.5	32	97	-33	15.6	4.5	-2.2	8.3	15	28					
											97	95	86	86	81	30	24	19	25	77	45	87	25	25					
MCS 140003		MCS 090062 THG 020057	67	107	107	84	58	75	100	78	67	107	104	107	114	116	101	104	94	65	63	97	110	103	39	30	6	15	
14 003			92	91	75	22	50	60	22	52	4.27	14.4	-0.35	3.1	27.7	29	39	-22	3.0	26.2	5.0	12.8	10	13					
											94	91	73	75	77	22	25	19	26	64	37	78	26	26					
MCS 170007		MCS 090064 MCS 120069	73	121	105	83	104	97	116	99	76	121	87	105	111	117	116	120	105	101	105	88	109	113	33	23	2	5	
JAMES BOND			93	91	83	77	78	82	76	81	3.29	20.5	0.39	2.5	25.7	30	98	-35	8.6	0.9	-3.0	8.8	9	24					
											94	91	83	83	72	77	77	76	77	80	77	87	77	77					
MCS 170129		MCS 140003 MCS 120012	63	122	120	79	74	94	112	96	62	122	78	120	132	121	113	110	109	75	78	98	119	114	34	23			
MCS 170129			93	91	81	76	77	82	76	81	4.84	21.1	0.81	6.9	39.6	34	86	-27	10.8	19.0	2.1	13.5	17	25					
											94	91	81	81	72	76	76	75	76	78	76	84	76	76					
MCS 170134		MCS 120010 MCS 080080	61	129	116	76	91	99	114	100	65	129	63	116	146	124	117	116	117	91	92	74	118	118	47	34	4	7	
MCS 170134			92	91	70	24	44	57	22	50	4.54	24.5	1.47	5.8	48.7	37	103	-32	15.0	8.0	-0.7	2.0	16	29					
											94	91	69	70	72	24	28	16	29	55	34	75	29	29					
MCS 180024		MCS 120010 MCS 120064	76	122	105	85	95	101	109	101	78	122	93	105	128	115	115	124	107	87	99	107	117	111	1	1			
MCS 180024			77	75	61	22	38	49	20	43	3.04	21.4	0.13	2.6	36.9	27	94	-39	9.8	10.8	-1.8	17.5	15	22					
											79	75	61	61	58	22	25	14	27	49	27	60	27	27					
MCS 180029		MCS 120006 MCS 130072	86	123	97	88	77	103			90	123	71	97	121	112	110	104	100	80	80	99	116	115	2	2	1	1	
MCS 180029			76	75	61	17	35	47			1.69	21.8	1.12	0.0	32.5	25	72	-22	6.0	15.8	1.7	13.8	14	25					
											78	75	58	61	56	17	15	12	16	45	25	61	16	16					

Sires

Bull				Selection Values							Calf		Dam		Growth				Fertility				Frame		Measured Progeny				
ID	Index EBV Acc	Sire ID	Dam ID	Calv. Ease Value	Calf Grwth Value	Milk Value	Maint. Value	Fertility Value	Cow Value	Growth Value	Prod Value	Birth Dir	Wean Dir	Birth Mat.	Wean Mat.	Post wn wt	Mature weight	ADG	FCR	Scrotal	Heifer Fertility	Cow Fertility	Long-evi ty	Height	Length	Birth	Wean	Dgt/Calvs.	Grwth Test
MCS 180030		MCS 120006	MCS 120043	89	118	110	81	89	109			94	118	63	110	104	119	114	114	108	101	87	92	118	118	6	2	1	2
MCS 180030				81	76	62	15	35	47			1.24 83	19.5 76	1.46 59	4.0 62	21.1 57	32 15	89 14	-30 12	10.0 15	1.2 44	0.3 26	10.5 62	16 15	29 15				
MCS 200032		MCS 170007	MCS 110048	74	113	106	85	95	90	110	92	78	113	76	106	111	115	111	113	100	108	92	89	110	108	5	1		
MCS 200032				88	85	80	76	76	79	76	78	3.06 89	16.8 85	0.89 80	2.7 80	25.4 61	28 76	79 76	-29 76	6.3 76	-4.1 77	-0.6 76	9.0 81	10 76	18 76				
MCS 210022		MBM0072643	MCS 100103	87	104	101	100	103	94	98	94	90	104	80	101	114	100	100	98	96	113	99	110	93	99	3	1		
MCS 210022				75	69	44	18	27	40	22	36	1.70 79	13.0 69	0.70 43	1.2 44	27.8 49	12 18	34 24	-17 19	3.9 25	-7.0 33	-2.0 21	19.0 50	-3 26	9 25				
RJC16		RJC	RR4S3	66	131	100	83	97	97			57	131	97	100	131	117	115	112	109	84	101	84	117	117	53	37	2	2
MYLOVE				90	88	63	17	30	49			5.40 94	25.5 88	-0.04 57	0.8 63	39.0 54	30 17	95 17	-29 16	10.5 19	13.1 46	-2.3 13	7.0 60	15 19	28 19				
RVS17		RVS850	RR4S0	116	98	100						114	98		100	96						86			4	2			
OCEAN				60	45	20						-1.06 66	10.0 45	0.8 20		15.3 18						7.5 35							

Breeding Values and Accuracies: Bulls

Inbreeding in red is high

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

Animal			Selection Values									Birth		Wean				Growth			Fertility				Frame	
Index EBV Acc	% Inbreeding	Sire ID Dam ID	Calv. Ease V	Calf Growth V		Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length
MCS 220037 94150281 MCS TANK 22-0037 X 10		RJC16 MCS 170002	63 73	139 70	122 45	74 16	117 28	117 40				54 5.79 76	80 0.73 47	126 39 16	139 29.2 70	122 7.6 45	137 107 44	146 48.9 49	120 114 18	114 -30 12	114 13.1 19	109 -4.3 38	117 -5.2 17	99 14.1 46	128 23 19	126 38 19
MCS 230003 94934510 23 0003		98CHL MCS 170020	98 69	101 48	102 46	94 23	96 28	99 36	98 21	97 33		99 0.67 72	93 0.12 45	106 19 23	101 11.3 48	102 1.5 46	93 14 39	88 10.5 40	101 37 24	104 -22 17	100 6.1 25	99 2.3 34	96 -1.3 22	96 12.5 41	90 -5 26	93 2 25
MCS 230012 94934114 MCS THUNDER 23-012		FR210110948 MCS 120043	94 76	98 71	116 61	93 24	78 38	99 48				96 0.96 78	82 0.64 59	107 20 24	98 10.2 71	116 5.9 61	109 49 52	96 15.8 59	103 46 12	107 -25 9	98 4.8 13	94 5.8 48	76 2.4 29	101 15.0 55	106 7 13	102 12 13
MCS 230013 94934122 MCS TUNDRA 23-013		FR210110948 MCS 110043	82 75	112 70	127 60	87 27	91 38	108 48				85 2.25 77	84 0.53 59	113 26 27	112 16.4 70	127 9.1 60	124 80 52	113 27.0 58	120 111 17	113 -30 13	112 12.5 17	99 2.5 49	90 -0.2 28	104 16.4 56	122 19 17	119 31 17
MCS 230015 95244778 23 015	3	FR210110948 MCS 120064	94 76	102 71	115 60	95 28	90 36	104 48				95 1.09 78	93 0.13 59	105 18 28	102 12.0 71	115 5.5 60	112 54 53	101 19.0 57	105 55 23	115 -32 11	94 3.1 25	91 8.3 46	92 -0.5 26	97 12.9 56	107 8 25	100 10 25
MCS 230019 95443073 23 019	3	MCS 170129 MCS 120031	68 72	107 70	118 50	88 15	87 30	86 42				70 3.97 75	97 -0.04 48	112 25 15	107 14.1 70	118 6.5 50	115 61 45	112 26.0 50	106 60 17	107 -24 11	101 6.9 18	101 1.0 37	84 0.8 23	100 14.5 49	113 12 18	106 16 18
MCS 230020 95443081 23 020	6	MCS 170129 MCS 120066	90 72	107 70	100 51	89 13	75 30	92 41				91 1.53 75	90 0.29 48	111 24 13	107 14.0 70	100 0.7 51	101 32 45	111 25.5 48	102 42 13	105 -23 10	96 3.8 13	83 13.4 37	77 2.2 22	101 14.7 48	108 9 13	102 11 13
MCS 230021 95832713 23 021		7195122401 MCS 200050	92 74	107 61	84 57	100 39	100 44	91 50	100 42	91 48		93 1.34 76	94 0.08 57	100 13 39	107 14.1 61	84 -3.9 57	93 15 52	104 21.2 55	100 34 46	97 -16 37	95 3.6 47	98 2.8 51	101 -2.3 36	99 13.8 57	84 -9 47	97 6 47
MCS 230025 95832549 23 025		RJC16 MCS 100048	69 62	120 60	109 48	82 22	95 32	94 40	114 20	96 36		71 3.89 63	98 -0.10 49	118 31 22	120 20.1 60	109 3.7 48	116 64 43	119 30.6 54	114 88 24	110 -27 15	110 11.1 26	99 2.5 41	95 -1.1 24	104 16.3 48	120 17 26	116 27 25
MCS 230035 95896767 23 035		RJC16 MCS 100048	68 62	121 60	109 48	82 22	95 32	94 40	114 20	97 36		70 3.97 63	98 -0.08 49	118 31 22	121 20.6 60	109 3.7 48	117 66 43	121 32.1 54	114 88 24	110 -27 15	110 11.1 26	99 2.5 41	95 -1.1 24	103 16.0 48	120 17 26	116 27 25
MCS 230036 95896783 MCS RONALDINHO 23-036		7195122401 MCS 200056	98 73	105 69	89 55	103 39	92 44	96 52	96 42	94 50		97 0.85 75	99 -0.14 56	97 10 39	105 13.3 69	89 -2.6 55	96 21 54	103 20.0 55	96 18 45	93 -14 36	92 2.1 47	93 6.3 51	93 -0.8 36	94 11.4 56	84 -9 47	93 2 46
MCS 230038 95832721 23 038		8552394134 MCS 110044	97 75	99 61	114 60	95 36	101 40	103 49	105 38	102 47		96 1.05 77	106 -0.46 60	105 18 36	99 10.2 61	114 5.2 60	108 47 52	101 18.9 56	109 72 38	104 -22 34	101 6.7 41	108 -4.1 48	98 -1.8 32	98 13.6 59	117 15 41	110 21 40

Breeding Values and Accuracies: Bulls

Inbreeding in red is high

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

Animal			Selection Values							Birth		Wean				Growth			Fertility				Frame		
Index EBV Acc	% Inbreeding	Sire ID Dam ID	Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length
MCS 230040 95998167 23 040	13	FR210110948 MCS 180008	78 74	107 71	116 57	86 24	75 36	91 47			81 2.66 76	80 0.71 55	114 27 24	107 14.1 71	116 5.7 57	112 56 51	107 23.0 58	108 65 10	108 -26 7	102 7.0 11	73 20.6 47	80 1.7 26	103 15.7 53	112 11 11	108 18 11
MCS 230047 96155544 23 047		RJC16 MCS 170002	65 73	133 70	122 45	71 16	117 28	112 40			58 5.32 76	89 0.31 47	129 42 16	133 26.5 70	122 7.6 45	130 93 44	137 43.3 49	124 127 18	117 -32 12	117 14.8 19	107 -3.4 38	118 -5.4 17	97 13.1 46	131 25 19	130 42 19
MCS 230051 96155684 23 051	1	FR210110948 MCS 130046	92 75	92 73	116 61	96 25	99 38	94 49			95 1.17 77	79 0.76 59	104 17 25	92 7.2 73	116 5.9 61	106 41 53	98 17.2 60	98 29 17	103 -21 11	94 3.0 18	102 0.1 48	98 -1.8 27	108 18.1 55	95 -1 18	96 5 17
MCS 230052 96215330 MCS 230052		MBM0072643 MCS 100103	118 74	98 54	101 43	100 18	103 27	114 36	99 22	109 33	118 -1.50 77	86 0.46 43	100 13 18	98 10.1 54	101 1.2 43	92 13 38	96 15.5 42	100 37 24	99 -18 19	96 4.3 25	112 -6.8 33	100 -2.0 21	100 14.5 45	93 -2 26	100 10 25
MCS 230054 96215363 MCS 230054		RJC16 MCS 170073	67 73	120 69	106 46	86 11	98 26	92 38			72 3.78 76	77 0.87 48	114 27 11	120 20.3 69	106 2.9 46	115 61 42	111 25.5 44	108 68 11	108 -26 10	103 7.6 12	100 1.7 33	97 -1.6 18	100 14.6 44	112 11 12	111 21 12
MCS 240001 96385992 24 001	5	MCS 170129 MCS 120039	87 75	126 72	98 52	70 13	82 29	104 42			89 1.81 78	87 0.42 49	130 43 13	126 22.9 72	98 0.4 52	108 46 46	124 34.1 56	121 116 14	120 -36 10	116 14.3 14	88 10.3 36	83 1.1 22	110 19.0 48	125 21 14	123 35 14
MCS 240002 96386008 24 002	4	MCS 170129 MCS 170071	63 73	135 71	104 50	75 13	92 28	100 41			68 4.24 76	81 0.68 48	125 38 13	135 27.4 71	104 2.1 50	120 72 45	145 48.1 52	120 111 13	119 -35 10	114 13.3 14	86 11.3 33	95 -1.1 22	107 17.9 47	123 20 14	122 33 14
MCS 240006 96520655 24 006	6	MCS 170129 MCS 170107	63 73	119 71	111 50	84 13	99 30	91 41			59 5.16 76	79 0.74 48	116 29 13	119 19.8 71	111 4.3 50	117 65 45	124 34.5 52	112 80 12	111 -28 9	108 10.2 12	98 2.8 37	99 -1.9 22	106 17.4 47	117 15 12	112 22 12
MCS 240007 96529508 24 007	10	MCS 170129 MCS 110099	63 73	131 73	108 52	74 16	78 30	96 43			65 4.48 76	80 0.71 49	126 39 16	131 25.4 73	108 3.4 52	119 70 47	129 37.9 56	121 115 12	117 -33 9	117 14.6 12	70 22.8 38	85 0.8 22	101 14.8 49	125 21 12	123 34 12
MCS 240008 96576608 24 008	7	MCS 170129 MCS 210018	81 69	106 68	112 43	89 11	80 23	92 37			85 2.31 72	81 0.69 39	111 24 11	106 13.7 68	112 4.5 43	110 51 41	117 29.9 50	105 56 11	105 -23 8	99 5.6 11	92 7.2 29	79 1.8 17	107 17.5 42	114 13 11	106 16 11
MCS 240019 97461743 24 019	1	5232801219 MCS 210033	96 73	117 70	109 55	79 21	103 35	115 45	114 26	113 41	97 0.91 75	93 0.12 53	121 34 21	117 19.1 70	109 3.7 55	113 56 49	125 34.9 56	114 90 26	117 -33 24	113 12.5 29	101 0.9 44	103 -2.7 26	97 12.9 55	114 13 30	116 26 29
MCS 240021 97496053 24 021		98CHL MCS 200024	81 69	94 63	97 43	95 16	96 20	75 35			84 2.36 72	80 0.72 39	105 18 16	94 8.0 63	97 0.1 43	96 22 41	90 11.9 42	89 -8 7	92 -13 6	87 -0.4 7	101 1.3 24	95 -1.1 16	95 11.8 37	93 -3 8	90 -1 7

Breeding Values and Accuracies: Bulls

Inbreeding in red is high

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

Animal		Selection Values									Birth		Wean				Growth			Fertility				Frame	
Index EBV Acc		Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value		Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length
MCS 240023	RJC16	74	113	111	89	100	94				79	66	111	113	111	115	109	107	106	98	98	101	96	109	108
97560759	MCS 180039	73	70	45	12	27	39				2.90	1.32	24	16.9	4.2	61	24.0	61	-24	4.8	3.4	-2.2	12.3	9	18
MCS 240023											76	47	12	70	45	42	45	11	10	12	36	18	45	12	12
MCS 240024	RJC16	67	125	106	85	99	97				61	108	115	125	106	120	122	109	110	105	94	101	95	113	111
97560767	MCS 160053	73	70	45	14	28	40				5.01	-0.54	28	22.6	2.7	72	33.2	71	-27	8.7	5.8	-2.2	12.0	12	21
MCS 240024											76	47	14	70	45	43	50	16	10	17	37	19	46	17	16
MCS 240026	MBM0072643	64	123	102	87	106	91				64	82	113	123	102	116	133	110	111	105	104	106	102	109	111
97667885	MCS 200050	70	64	37	10	20	33				4.66	0.64	26	21.6	1.6	63	40.2	74	-28	8.8	-0.8	-3.2	15.5	9	21
MCS 240026											74	35	10	64	37	37	41	12	7	12	26	13	38	12	12
MCS 240027	RJC16	65	134	100	86	101	101	115	102		62	90	114	134	100	119	133	120	118	115	94	102	92	109	114
97667893	MCS 170020	74	69	46	20	30	42	23	38		4.89	0.29	27	26.8	1.0	70	40.4	113	-34	13.9	5.8	-2.6	10.7	9	25
MCS 240027											77	48	20	69	46	45	48	26	19	27	39	21	47	27	27
MCS 240029	MCS 120006	102	86	113	103	85	95				105	69	97	86	113	101	72	88	93	82	112	79	99	94	89
97668271	MCS 120043	76	71	59	15	35	45				-0.02	1.19	10	4.5	4.9	32	-0.5	-12	-13	-2.9	-6.3	1.9	13.7	-2	-2
MCS 240029											78	57	15	71	59	48	54	14	12	15	44	26	55	15	15
MCS 240035	MBM0072643	96	117	95	92	110	109				96	97	108	117	95	102	127	106	110	100	106	110	100	108	108
97927859	MCS 190038	70	53	37	11	24	32				0.98	-0.02	21	18.6	-0.7	34	36.2	58	-27	5.9	-2.7	-4.0	14.2	9	18
MORNTY NERO											74	38	11	53	37	34	36	12	8	13	30	17	40	12	12
MCS 240036	RJC16	78	98	103	92	80	77				80	93	108	98	103	101	102	100	101	93	77	84	99	105	100
97927867	MCS 180008	73	69	45	12	26	39				2.78	0.16	21	9.8	1.8	31	19.6	37	-20	2.6	17.9	0.8	13.8	6	10
MYLOVE											76	45	12	69	45	42	46	12	10	12	35	17	44	13	12
MCS 240037	RVS17	107	109	115	77	81	116				107	92	123	109	115	106	115	125	119	128	73	86	95	129	128
97927875	MCS 120033	71	63	42	10	24	35				-0.23	0.20	36	15.2	5.4	41	28.0	131	-35	20.6	20.3	0.5	11.8	24	40
OCEAN											74	40	10	63	42	38	46	11	9	12	31	16	40	12	12
MCS 240038	MBM0072643	74	104	102	104	89	83				78	81	96	104	102	109	106	90	94	87	105	86	93	95	92
97977474	MCS 180033	70	53	37	10	22	32				3.05	0.68	8	12.7	1.6	48	22.4	-2	-14	-0.8	-1.4	0.5	11.2	-1	0
MORNTY NERO											74	37	10	53	37	33	36	8	6	9	28	17	39	9	9
MCS 240039	FR210110948	92	103	118	86	82	102				93	92	114	103	118	112	100	108	108	104	89	82	100	114	109
97978407	MCS 190004	74	60	55	25	38	45				1.33	0.18	27	12.4	6.5	54	18.3	65	-25	8.1	9.4	1.2	14.6	13	19
SISTERON											76	56	25	60	55	47	52	14	9	15	48	28	53	15	15
MCS 240044	MCS 170129	65	117	120	89	89	95				57	90	111	117	120	124	120	105	112	96	94	90	104	109	104
98131733	MCS 210049	71	57	42	17	26	36				5.41	0.28	24	18.7	7.1	79	31.5	55	-29	4.0	6.1	-0.2	16.2	9	13
MCS 240044											74	42	17	57	42	39	46	22	11	24	32	19	44	24	24
MCS 250001	RJC16	75	128	94	83	102	99				77	89	117	128	94	111	134	113	114	107	93	104	99	115	115
98131857	MCS 170071	73	71	47	13	26	39				3.14	0.29	30	24.1	-0.9	53	40.9	86	-31	9.5	6.4	-2.9	13.9	14	26
MCS 250001											76	48	13	71	47	44	41	14	11	15	34	19	46	15	14

Breeding Values and Accuracies: Bulls

Inbreeding in red is high

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

Animal		Selection Values									Birth		Wean				Growth			Fertility				Frame	
Index EBV Acc		Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value		Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length
MCS 250002		78	124	116	78	119	112				79	95	122	124	116	122	122	117	111	114	114	118	87	124	123
98131840	MCS 170002	67	62	38	14	24	35				2.89	0.04	35	22.2	5.9	76	33.0	100	-28	13.1	-8.1	-5.5	8.2	20	34
MCS 250002											70	38	14	62	38	38	32	16	9	17	31	16	36	17	16
MCS 250004		74	96	104	92	101	75				78	83	108	96	104	103	90	93	95	92	103	100	94	97	94
98259674	98CHL MCS 200022	70	46	42	15	20	31				3.10	0.59	20	9.2	2.0	37	11.8	10	-15	2.1	-0.4	-2.1	11.3	1	3
MCS 250004											73	41	15	46	42	34	34	6	6	7	25	15	35	7	7
MCS 250007		77	110	111	98	66	92				79	90	102	110	111	115	114	101	99	92	71	70	99	106	102
98259682	FR210110948 MCS 130072	75	72	60	25	38	48				2.89	0.27	15	15.7	4.1	61	27.8	39	-18	2.0	21.6	3.5	13.7	7	11
MCS 250007											77	59	25	72	60	52	54	14	9	15	50	27	55	15	15
MCS 250008		63	129	116	73	93	100				61	77	127	129	116	124	133	122	119	118	84	96	107	122	123
98256753	4 MCS 170129 MCS 170097	73	70	49	13	28	40				4.99	0.85	40	24.5	5.9	79	40.3	119	-35	15.5	12.5	-1.4	17.7	19	34
MCS 250008											76	48	13	70	49	44	46	12	9	13	37	19	47	13	13
MCS 250010		74	117	121	75	96	100				77	87	125	117	121	119	123	114	113	112	92	98	106	120	117
98440464	4 MCS 170129 MCS 180045	71	70	49	13	30	41				3.22	0.39	38	18.6	7.2	69	33.3	90	-29	12.3	7.4	-1.7	17.2	17	28
MCS 250010											74	48	13	70	49	44	46	13	10	14	38	21	47	14	14
MCS 250013		65	112	110	89	72	82				68	90	111	112	110	113	114	102	101	98	79	74	101	104	102
99039083	14 MCS 170129 MCS 180051	71	58	45	14	29	37				4.16	0.29	24	16.5	4.0	57	27.4	44	-20	5.2	16.2	2.8	15.1	5	12
MCS 250013											74	45	14	58	45	39	45	15	12	16	37	21	44	16	16
MCS 250016		68	123	108	81	88	95				70	102	119	123	108	117	123	118	113	109	89	89	97	121	119
99088981	RJC16 MCS 180001	61	59	43	13	26	35				4.01	-0.26	32	21.9	3.2	65	33.3	104	-30	10.7	9.1	-0.1	12.9	18	30
MYLOVE											63	45	13	59	43	38	40	13	11	14	35	17	45	14	14
MCS 250018		64	137	111	71	101	106				63	87	129	137	111	124	130	126	121	120	90	105	99	128	130
99088916	RJC16 MCS 210015	72	68	41	10	22	36				4.76	0.41	42	28.0	4.3	81	38.4	136	-36	16.6	8.9	-3.0	13.9	23	42
MYLOVE											75	42	10	68	41	40	37	11	9	12	31	12	41	12	11
MCS 250020		64	132	100	81	103	96				54	83	119	132	100	117	129	117	116	112	94	106	100	115	117
99088932	RJC16 MCS 180041	73	70	47	13	28	40				5.79	0.57	32	25.7	0.9	66	37.7	100	-32	12.4	6.2	-3.2	14.2	14	28
MYLOVE											76	47	13	70	47	43	42	13	11	14	37	19	44	14	14
MCS 250023		77	113	120	94	100	104				82	75	106	113	120	121	123	109	108	104	98	100	93	111	109
99392748	MBM0072643 MCS 120012	59	54	41	14	25	34				2.65	0.93	19	17.0	6.9	74	33.6	71	-26	8.2	3.2	-2.2	11.2	11	19
MORNTY NERO											61	43	14	54	41	36	42	10	7	11	30	20	43	11	11
MCS 250024		75	116	115	88	79	98				78	88	112	116	115	118	124	112	112	113	79	82	98	118	115
99392722	MBM0072643 MCS 120033	57	54	43	11	24	33				3.06	0.35	25	18.2	5.4	66	34.4	82	-28	12.6	16.3	1.3	13.3	16	25
MORNTY NERO											59	41	11	54	43	36	42	12	9	13	31	17	43	13	13
MCS 250026		72	108	118	94	77	90				78	49	106	108	118	117	140	103	107	101	78	81	89	110	104
99392730	MBM0072643 MCS 110071	57	54	42	10	22	32				3.07	2.08	19	14.7	6.4	64	45.0	48	-24	6.6	17.1	1.5	9.0	10	13
MORNTY NERO											59	40	10	54	42	35	42	12	9	12	31	14	43	12	12

Breeding Values and Accuracies: Bulls

Inbreeding in red is high

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

Animal		Selection Values									Birth		Wean				Growth			Fertility				Frame	
Index EBV Acc		Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value		Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length
MCS 250032 99391468 OCEAN	MCS 210040	92	102	106	91	101	98				93	93	109	102	106	104	97	107	112	100	108	98	86	111	107
		64	61	36	14	21	33				1.35	0.16	22	12.0	2.8	38	16.1	62	-29	6.0	-4.2	-1.8	7.5	11	18
											68	33	14	61	36	37	28	20	8	21	28	14	32	21	21
MCS 250037 99510141 MCS 250037	FR793249100 MCS 230007	97	106	111	93	95	108				98	89	107	106	111	107	104	106	107	100	96	95	94	106	105
		70	62	35	12	19	33				0.75	0.33	20	13.6	4.4	43	21.2	57	-24	6.2	4.6	-1.2	11.4	7	15
											74	32	12	62	35	36	30	7	5	7	24	14	35	7	7
MCS 250038 99510133 MCS 250038	FR793249100 MCS 220048	80	112	112	87	104	100				84	73	113	112	112	114	111	110	109	109	99	104	95	111	113
		70	62	33	7	17	31				2.37	1.03	26	16.6	4.5	60	25.9	76	-26	10.7	2.3	-2.9	12.2	10	23
											74	30	7	62	33	34	26	7	6	7	22	12	35	7	7
MCS 250039 6020124498 MYLOVE	RJC16 MCS 170119	62	131	104	81	92	95				61	70	119	131	104	120	128	119	116	115	82	96	93	114	118
		73	70	45	15	28	40				5.04	1.14	32	25.4	2.1	71	36.7	107	-32	13.5	13.9	-1.3	11.0	13	29
											76	47	15	70	45	43	42	16	13	17	38	17	46	17	17
MCS 250041 6020124480 MYLOVE	RJC16 MCS 160053	108	112	106	83	99	118				106	104	117	112	106	100	106	111	111	107	93	101	94	115	113
		73	58	45	14	28	37				-0.14	-0.34	29	16.4	2.7	30	22.5	78	-28	9.5	6.4	-2.4	11.3	14	23
											76	47	14	58	45	39	45	16	10	17	37	19	45	17	16
MCS 250044 6020124522 MORNITY NERO	MBM0072643 MCS 190004	73	116	105	88	91	93				74	104	112	116	105	112	119	107	108	102	96	91	103	113	110
		70	53	36	12	24	33				3.51	-0.38	25	18.6	2.6	56	30.9	64	-25	7.2	4.8	-0.4	15.6	12	20
											74	38	12	53	36	34	36	14	8	15	30	18	39	15	14
MCS 250045 6020124530 OCEAN	RVS17 MCS 170071	102	114	94	86	105	110				103	91	114	114	94	100	121	112	113	109	98	106	99	113	114
		69	46	40	10	22	30				0.27	0.23	26	17.6	-0.9	29	32.0	81	-30	10.6	3.1	-3.3	13.9	12	24
											72	39	10	46	40	32	32	10	8	11	25	18	36	11	11
MCS 250046 6020124548 ROULIO	FR793249100 MCS 230006	65	114	102	92	96	83				68	90	108	114	102	115	119	108	107	106	90	99	92	104	107
		70	45	26	10	15	25				4.23	0.25	21	17.3	1.4	60	30.8	67	-25	9.0	8.7	-1.9	10.7	5	17
											74	29	10	45	26	27	26	13	10	13	20	10	31	13	13
MCS 260001 6020124555 ROULIO	FR793249100 MCS 210046	97	100	103	98	91	98				97	98	102	100	103	100	99	102	106	100	86	94	97	98	99
		70	45	27	11	20	28				0.87	-0.07	15	10.8	1.9	30	17.6	45	-24	6.0	11.8	-1.0	12.8	2	9
											74	32	11	45	27	28	28	14	10	14	27	12	32	14	14
MCS 260004 6020124589 OCEAN	RVS17 MCS 210002	106	102	120	93	99	117				106	92	107	102	120	109	100	108	112	102	99	99	92	112	107
		68	43	33	15	20	29				-0.14	0.19	20	11.8	6.9	48	18.2	68	-29	7.0	2.6	-1.9	10.4	11	17
											72	35	15	43	33	30	32	20	8	21	24	15	36	22	21
MCS 260009 6020813728 26 0009	FR793249100 MCS 170073	103	100	106	95	100	106				106	75	105	100	106	100	92	99	101	97	107	97	98	102	101
		70	48	39	8	20	29				-0.11	0.94	18	11.1	2.9	29	12.8	31	-20	4.6	-3.3	-1.6	13.4	4	10
											73	39	8	48	39	32	28	7	6	8	23	16	36	8	8
MCS 260014 6020813769 26 0014	FR793249100 MCS 230024	89	112	99	90	103	101				89	101	110	112	99	106	116	108	109	103	95	105	97	109	110
		68	41	25	8	18	25				1.76	-0.22	23	16.5	0.7	41	28.6	66	-26	7.5	5.3	-3.0	12.8	9	20
											72	29	8	41	25	25	27	10	7	11	26	10	30	10	10

Breeding Values and Accuracies: Bulls

Inbreeding in red i

Value <80	Value >120
-----------	------------

Breeding values with an accuracy < 5% are not printed

Animal				Selection Values								Birth		Wean				Growth			Fertility				Frame	
Index EBV Acc	ID Number Name	% Inbreeding	Sire ID Dam ID	Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length
MCS 260015	6020813777	26 0015	FR793249100 MCS 230022	88 68	111 39	103 21	90 7	98 12	100 22			89 1.80 73	95 0.04 26	110 23 7	111 16.0 39	103 1.7 21	105 40 22	114 27.5 21	108 66 8	108 -25 7	105 8.8 9	90 8.6 17	101 -2.3 8	91 10.1 30	109 9 9	109 19 9
MCS 260018	6020813801	26 0018	FR793249100 MCS 230030	80 70	104 41	113 29	96 12	102 18	94 26			83 2.54 74	86 0.43 32	104 17 12	104 12.8 41	113 4.8 29	114 60 27	109 24.3 28	101 39 6	101 -20 5	100 6.0 7	105 -1.7 24	100 -2.2 13	94 11.5 34	103 5 7	102 11 7
MCS 260020	6020813827	26 0020	FR793249100 MCS 230057	85 69	112 44	105 24	89 7	104 14	100 24			86 2.19 74	97 -0.03 28	111 24 7	112 16.4 44	105 2.4 24	108 47 25	113 26.9 24	107 61 7	106 -24 6	105 8.8 7	97 3.7 19	105 -3.1 9	92 10.4 30	109 9 7	108 18 7
MCS 260022	6020813892	3 26 0022	MCS 140003 MCS 120012	71 76	108 61	124 55	88 17	78 35	92 42			75 3.44 78	82 0.63 55	112 25 17	108 14.7 61	124 8.1 55	120 71 44	116 28.8 52	107 63 15	107 -25 12	102 7.0 16	81 14.8 44	81 1.6 26	94 11.4 52	112 12 16	107 17 16
MCS 260023	6020813843	26 0023	FR793249100 MCS 230049	104 70	101 46	104 31	100 12	80 22	105 29			104 0.12 74	95 0.05 32	100 13 12	101 11.6 46	104 2.2 31	100 30 30	102 19.7 30	99 31 7	98 -17 5	95 3.4 7	79 16.4 29	83 1.0 14	91 10.2 34	102 4 7	99 9 7
MCS 260024	6020813850	26 0024	FR793249100 MCS 230058	91 68	114 43	103 21	92 5	103 11	107 22			92 1.48 73	93 0.14 25	108 20 5	114 17.5 43	103 1.8 21	105 40 23	113 27.0 22	106 60 6		105 8.5 6	98 3.4 15	104 -2.9 7	94 11.7 28	106 7 6	107 17 6
MCS 260025	6020813900	26 0025	MCS 140003 MCS 220034	85 60	102 58	109 48	92 18	76 32	90 39			86 2.17 61	99 -0.12 49	108 21 18	102 11.9 58	109 3.6 48	106 42 41	99 17.5 49	100 34 18	100 -19 14	95 3.5 18	85 11.9 41	77 2.3 23	99 13.8 49	101 3 18	100 9 18
MCS 260026	6020813918	26 0026	MCS 140003 MCS 220034	85 60	102 58	109 48	92 18	76 32	90 39			86 2.17 61	99 -0.12 49	108 21 18	102 11.9 58	109 3.6 48	106 42 41	99 17.5 49	100 34 18	100 -19 14	95 3.5 18	85 11.9 41	77 2.3 23	99 13.8 49	101 3 18	100 9 18

Breeding Values and Accuracies: Cows

Value <80	Value >120
-----------	------------

Breeding values with an accuracy < 5% are not printed

Animal				Selection Values								Birth		Wean				Growth			Fertility				Frame	
Index EBV Acc	% Inbreeding	ID Number Name	Sire ID Dam ID	Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length
MCS 100102 72187735 10 102		5232801219 THG 050065		107 90	102 88	132 89	64 75	133 78	124 82	113 75	120 81	104 0.12 90	123 -1.21 88	136 49 75	102 11.9 88	132 10.7 89	114 59 84	113 26.7 75	111 79 75	110 -27 74	108 10.3 76	136 -23.2 81	126 -7.0 76	114 21.1 83	120 18 76	118 29 79
MCS 110043 73082570 11 043	2 	MCS 070032 THG 040048		80 88	111 86	129 89	88 76	98 78	108 82	123 76	109 81	80 2.77 88	104 -0.36 88	112 25 76	111 15.9 86	129 9.7 89	125 83 84	110 25.0 72	125 134 76	114 -30 75	115 13.7 76	116 -9.4 80	93 -0.7 77	113 20.4 83	128 23 76	125 36 76
MCS 110099 74152943 11 099		FR210110948 THG 030074		83 86	114 82	102 84	88 27	79 49	95 59			87 2.00 86	74 0.98 81	112 25 27	114 17.3 82	102 1.4 84	108 45 64	111 25.3 72	106 57 18	108 -25 13	102 7.3 19	73 20.5 62	85 0.8 36	97 13.1 68	110 10 19	106 16 19
MCS 120012 74506874 12 012		FR210110948 THG 040076		83 91	105 87	139 87	92 76	98 79	112 82	110 75	110 81	88 1.90 91	60 1.62 88	108 21 76	105 13.3 87	139 12.9 87	131 95 83	114 27.8 76	113 86 75	110 -27 75	110 11.0 75	98 3.3 81	99 -1.8 77	91 10.1 84	115 13 75	111 21 75
MCS 120033 74661059 12 033	1 	MCS 080017 THG 070139		78 89	110 87	130 88	81 75	56 78	100 82	117 75	101 81	81 2.71 89	86 0.46 86	119 32 75	110 15.8 87	130 10.1 88	124 79 83	117 29.3 76	119 107 75	116 -32 75	127 19.8 75	60 29.7 81	62 5.0 76	101 14.8 82	129 24 75	122 34 75
MCS 120043 75187781 12 043	6	MCS 090025 THG 070147		96 86	101 81	105 85	89 19	74 48	95 57	100 20	94 50	96 1.02 86	98 -0.08 82	111 23 19	101 11.6 81	105 2.3 85	101 32 62	95 14.8 70	105 54 22	112 -29 17	97 4.8 23	101 1.0 59	70 3.6 38	107 17.6 66	109 9 23	104 14 22
MCS 120064 76126325 12 064		8894104162 THG 060114		83 86	112 77	106 84	96 32	98 40	100 56	98 34	98 52	82 2.63 86	117 -0.93 82	104 17 32	112 16.5 77	106 2.8 84	112 55 64	112 26.2 63	107 64 44	126 -40 21	89 0.5 48	95 5.1 50	100 -2.0 29	97 13.0 69	110 10 48	98 7 47
MCS 130030 76899004 13 030	4	MCS 090064 THG 050039		102 85	111 79	119 81	85 29	144 50	127 59	111 30	121 53	100 0.60 85	116 -0.88 81	115 28 29	111 16.2 79	119 6.5 81	117 66 63	110 24.8 65	110 76 34	117 -33 24	111 11.7 35	157 -38.3 62	133 -8.3 37	89 9.1 66	115 13 35	111 21 35
MCS 130072 78952207 13 072	2	MCS 090062 THG 050058		79 86	117 81	91 84	100 23	51 50	87 59	102 22	88 52	78 3.10 86	114 -0.81 81	100 12 23	117 18.9 81	91 -1.9 84	106 42 63	123 33.6 66	100 37 25	95 -15 17	86 -1.2 26	55 32.8 64	58 5.9 35	107 17.9 67	108 8 26	103 12 26
MCS 160053 84857036 MCS 160053		MCS 090064 MCS 130076		93 82	114 77	112 76	84 22	102 48	112 55	107 20	109 48	92 1.52 83	113 -0.77 76	116 29 22	114 17.3 77	112 4.6 76	114 58 58	115 28.0 68	107 61 26	111 -28 14	105 8.5 27	103 -0.2 59	102 -2.4 37	103 15.7 64	113 12 28	108 19 27
MCS 170002 85165264 MCS 170002	1	MCS 090064 THG 050065		72 82	116 77	144 75	74 28	135 47	118 56	114 26	115 50	76 3.31 83	85 0.50 76	126 39 28	116 18.5 77	144 14.4 75	135 104 60	121 32.4 64	111 77 31	106 -24 18	105 8.6 33	138 -24.5 61	129 -7.5 33	103 16.0 66	125 21 33	120 31 33
MCS 170020 84959436 MCS 170020		0397108304 MCS 110103		77 84	114 79	101 77	97 37	103 52	95 61	110 43	96 57	81 2.75 85	82 0.62 78	103 15 37	114 17.2 79	101 1.2 77	110 51 64	113 27.1 66	114 90 48	117 -33 35	112 12.1 51	109 -4.6 63	100 -2.1 41	98 13.4 67	91 -4 51	100 10 50

Breeding Values and Accuracies: Cows

Inbreeding in red is high

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

Animal			Selection Values								Birth		Wean				Growth			Fertility				Frame	
Index EBV Acc	% Inbreeding	Sire ID Dam ID	Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length
ID Number Name																									
MCS 170071 85778314 MCS 170071	1	MCS 120010 MCS 100096	90 83	131 79	89 80	78 20	109 44	111 55			93 1.38 84	83 0.60 78	122 35 20	131 25.2 79	89 -2.6 80	107 43 60	141 45.6 59	118 106 21	122 -37 16	112 12.0 23	100 1.7 51	110 -3.9 36	112 20.3 63	120 17 23	121 32 22
MCS 170073 86052651 MCS 170073		MCS 120006 MCS 120039	92 83	102 78	113 77	92 15	99 40	101 51			97 0.92 84	51 2.02 77	108 21 15	102 11.7 78	113 4.9 77	109 48 57	89 11.2 54	97 24 14	101 -20 12	93 2.5 15	117 -9.8 47	93 -0.8 33	112 19.9 61	103 4 16	101 10 15
MCS 170097 86204617 MCS 170097	1	MCS 120010 MCS 130046	70 82	121 78	114 77	76 19	110 44	100 54			75 3.37 83	74 0.97 77	124 37 19	121 20.9 78	113 5.0 77	118 66 58	122 32.7 60	120 114 19	121 -36 14	118 15.4 21	97 3.8 59	112 -4.4 28	115 21.4 63	115 14 21	120 31 20
MCS 170107 86681780 MCS 170107		MCS 120010 MCS 110008	63 83	116 80	100 80	87 19	124 46	85 55			67 4.34 84	80 0.73 77	113 25 19	116 18.2 80	100 0.8 80	107 45 60	117 29.5 62	112 82 17	112 -29 13	108 10.4 18	120 -12.3 59	121 -6.1 34	110 18.9 64	117 15 18	111 22 18
MCS 170119 86682572 MCS 170119		MCS 120010 MCS 120069	61 83	129 78	108 75	78 24	87 46	94 55	121 24	98 49	67 4.33 84	44 2.33 76	122 35 24	129 24.5 78	108 3.4 75	120 71 59	122 33.3 61	124 130 27	123 -38 21	123 17.8 28	80 15.7 60	91 -0.5 32	101 15.0 64	114 13 28	122 33 28
MCS 180001 86685757 MCS 180001	5	MCS 140003 MCS 110043	82 82	116 78	115 73	79 18	79 42	102 52			82 2.61 83	107 -0.47 71	121 34 18	116 18.2 78	115 5.6 73	116 63 56	114 27.5 58	120 113 20	114 -31 16	109 11.0 21	95 5.2 54	77 2.2 31	108 18.1 62	126 22 21	122 33 20
MCS 180008 86685815 MCS 180008	6	MCS 140003 MCS 110112	68 82	108 78	106 76	83 18	67 42	77 53			71 3.87 83	90 0.27 71	117 30 18	108 14.9 78	106 2.9 76	106 42 57	113 26.9 61	107 62 16	108 -25 12	99 5.4 16	61 29.1 54	75 2.6 30	111 19.6 60	113 12 16	107 17 16
MCS 180032 87466819 MCS 180032		MCS 120006 MCS 120033	78 80	97 78	141 76	96 16	81 44	100 53			84 2.39 81	53 1.93 71	104 17 16	97 9.6 78	141 13.3 76	128 88 57	94 14.3 58	99 31 14	99 -18 12	101 6.7 15	95 5.2 55	80 1.7 33	102 15.2 60	108 8 16	103 13 15
MCS 180033 87318820 MCS 180033	13	MCS 120006 MCS 110097	102 80	79 76	105 70	113 18	77 46	85 53			105 -0.06 81	70 1.17 72	87 -1 18	79 1.2 76	105 2.4 70	93 14 55	68 -3.1 58	75 -60 13	81 -3 12	74 -7.1 14	111 -5.9 56	70 3.5 35	91 10.1 60	82 -10 14	76 -16 14
MCS 180036 87465274 MCS 180036	1	MCS 120006 MCS 100096	94 81	95 78	108 76	102 18	96 41	95 52			99 0.70 82	58 1.69 72	98 11 18	95 8.5 78	108 3.2 76	103 36 57	90 11.9 58	89 -8 19	96 -15 15	80 -4.3 21	99 2.2 56	96 -1.4 26	116 22.1 62	95 -1 21	92 1 21
MCS 180039 87832010 MCS 180039		MCS 120006 MCS 110031	89 82	101 78	122 76	91 16	104 45	104 53			94 1.20 83	44 2.33 74	109 22 16	101 11.3 78	122 7.6 76	115 60 57	89 10.6 58	102 44 15	104 -22 13	90 1.2 16	110 -5.0 56	102 -2.4 34	104 16.3 61	105 6 16	103 13 16
MCS 180041 87832036 MCS 180041	1	MCS 120010 MCS 130046	73 81	105 79	100 79	89 19	108 47	82 55			79 2.94 82	67 1.32 75	111 24 19	105 13.5 79	100 0.9 79	101 31 59	105 21.4 60	105 54 19	110 -27 14	103 7.8 21	108 -3.6 59	107 -3.4 35	115 21.5 61	101 4 21	103 13 20

Breeding Values and Accuracies: Cows

Inbreeding in red is high

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

Animal			Selection Values									Birth		Wean				Growth			Fertility				Frame	
Index EBV Acc	% Inbreeding	Sire ID Dam ID	Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	
ID Number Name																										
MCS 180044 87935185 MCS 180044		MCS 120010 MCS 100053	72 80	119 75	114 66	84 25	114 48	102 54	115 26	103 48	76 3.28 81	82 0.62 70	116 29 25	119 19.8 75	114 5.2 66	119 70 55	117 29.5 60	117 101 28	117 -33 22	116 14.1 29	115 -8.5 61	112 -4.3 34	91 10.2 62	107 8 30	113 23 29	
MCS 180045 87935193 MCS 180045	1	MCS 120010 MCS 100102	96 82	108 79	121 78	73 20	118 48	114 56			97 0.93 83	96 -0.02 78	127 40 20	108 14.7 79	121 7.3 78	113 56 59	110 25.1 61	114 88 20	114 -30 16	113 12.9 22	109 -4.3 62	118 -5.4 34	113 20.6 63	119 16 22	118 29 22	
MCS 180051 88753959 MCS 180051		MCS 140003 MCS 100103	91 81	92 76	99 69	100 21	69 45	80 53	92 24	81 47	91 1.56 82	100 -0.19 71	100 13 21	92 7.3 76	99 0.5 69	93 15 55	87 9.4 60	91 2 27	92 -12 21	87 -0.4 28	83 13.4 59	70 3.6 31	105 16.6 60	89 -6 28	90 -1 28	
MCS 180054 88753983 MCS 180054	5	MCS 140003 MCS 110043	81 81	100 77	108 73	90 18	81 46	84 53			80 2.79 82	111 -0.65 72	110 23 18	100 11.0 77	108 3.2 73	103 36 56	95 14.9 59	108 66 20	105 -23 16	99 5.7 21	97 4.1 58	79 1.9 35	109 18.8 59	114 13 21	108 18 20	
MCS 190004 88754015 MCS 190004	4	MCS 140003 MCS 100048	85 82	109 76	111 69	80 23	81 47	96 54	112 22	97 48	83 2.49 83	118 -0.97 74	120 33 23	109 15.1 76	111 4.3 69	109 47 56	101 19.1 61	110 73 26	109 -26 16	106 9.0 27	93 6.7 58	80 1.7 36	110 19.0 60	120 17 27	113 23 27	
MCS 190038 89723191 MCS 190038	1	MCS 120010 MCS 100096	101 81	117 76	90 71	88 20	119 46	112 53			100 0.52 82	103 -0.32 73	112 25 20	117 19.0 76	90 -2.1 71	101 32 56	131 39.0 60	107 61 21	114 -30 16	100 6.3 23	115 -8.4 60	118 -5.4 33	103 16.0 62	109 9 23	108 18 22	
MCS 190044 89840227 MCS 190044		MCS 120010 MCS 120069	77 78	107 74	110 61	94 24	94 45	91 52	103 24	92 46	81 2.76 79	78 0.80 64	106 19 24	107 14.1 74	110 4.0 61	111 52 53	117 29.4 60	105 54 27	108 -26 21	104 8.2 28	98 3.1 60	94 -0.9 30	100 14.6 60	96 0 28	101 10 28	
MCS 200003 89840243 MCS 200003	17	MCS 170007 MCS 170029	69 78	139 74	100 70	66 18	112 31	106 47			72 3.78 79	91 0.24 66	134 47 18	139 29.0 74	100 1.0 70	117 65 54	122 32.7 54	130 152 22	129 -43 15	121 16.9 23	95 5.5 39	116 -5.0 23	102 15.4 56	128 23 23	131 43 23	
MCS 200015 90086281 MCS 200015	4	MCS 170007 MCS 120021	83 80	111 75	104 67	89 18	101 32	97 47			83 2.54 81	111 -0.65 66	111 24 18	111 16.2 75	104 2.1 67	108 46 53	102 19.7 56	111 79 21	116 -32 15	101 6.8 21	115 -8.5 39	97 -1.5 24	102 15.4 57	114 13 22	108 19 21	
MCS 200024 90526146 MCS 200024	7	MCS 120006 MCS 170071	102 78	98 74	92 69	101 15	102 34	95 47			106 -0.13 79	54 1.87 65	99 12 15	98 9.8 74	92 -1.6 69	92 13 53	94 14.1 54	90 -3 14	95 -15 12	85 -1.3 15	112 -6.6 41	98 -1.7 26	103 15.6 58	96 -1 15	93 2 15	
MCS 200033 90594102 MCS 200033	2	MCS 170007 MCS 170094	80 71	114 68	106 47	89 16	90 29	97 40			83 2.53 74	89 0.33 44	111 24 16	114 17.5 68	106 2.8 47	111 54 44	97 16.5 50	105 55 18	108 -25 13	98 5.0 19	89 9.2 38	92 -0.6 20	96 12.3 50	107 8 19	106 16 19	
MCS 200050 90957549 MCS 200050	2	MCS 170134 MCS 130046	70 79	120 75	105 68	80 17	111 38	93 49			74 3.48 80	76 0.89 67	120 33 17	120 20.0 75	105 2.4 68	111 53 53	122 33.0 57	114 90 21	116 -32 13	111 11.7 22	109 -4.8 52	110 -3.9 24	110 19.0 55	109 10 22	113 24 22	

Breeding Values and Accuracies: Cows

Inbreeding in red is high

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

Animal			Selection Values							Birth		Wean				Growth			Fertility				Frame		
Index EBV Acc	% Inbreeding	Sire ID Dam ID	Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length
ID Number Name																									
MCS 210002 91378083 MCS 210002	3	8894104162 MCS 120012	84 80	106 74	140 65	92 30	96 38	113 51	107 30	110 47	87 2.09 81	85 0.49 70	108 21 30	106 13.5 74	140 13.1 65	132 96 56	107 22.7 60	112 80 40	121 -36 16	97 4.8 43	101 0.8 48	95 -1.2 29	98 13.2 62	118 16 43	108 18 42
MCS 210015 91933465 MCS 210015	4	MCS 180030 MCS 180045	83 76	123 72	123 66	71 13	104 32	116 45			87 2.07 77	74 0.98 62	129 42 13	123 21.8 72	123 7.8 66	123 79 50	114 27.7 49	121 118 12	119 -35 10	118 15.1 13	100 1.5 42	105 -3.0 21	113 20.8 51	125 21 14	126 38 13
MCS 210018 91969048 MCS 210018	2	MCS 180029 MCS 120021	100 74	103 69	99 60	94 14	87 30	100 43			101 0.49 76	93 0.14 56	106 19 14	103 12.3 69	99 0.6 60	100 29 48	105 21.3 52	105 55 14	106 -24 11	96 4.0 15	105 -2.1 38	83 1.1 22	110 19.2 49	115 14 15	106 16 15
MCS 210024 92373273 MCS 210024	3	8894104162 MCS 180036	84 75	96 70	118 57	102 29	94 36	93 48	89 30	91 44	85 2.24 77	94 0.09 61	98 11 29	96 9.2 70	118 6.3 57	112 54 52	85 8.0 56	92 5 40	109 -26 17	76 -6.3 43	105 -1.7 47	92 -0.5 26	108 18.1 58	101 4 44	91 0 43
MCS 210029 92462316 MCS 210029	4	8894104162 MCS 130030	95 76	109 74	121 59	88 31	119 39	117 50	108 32	113 46	92 1.44 78	118 -0.96 58	112 25 31	109 15.2 74	121 7.2 59	118 68 55	104 20.7 60	111 78 42	125 -39 19	99 5.5 45	132 -20.5 49	112 -4.4 29	89 8.9 58	118 16 46	109 19 45
MCS 210033 92644921 MCS 210033	7	MCS 120010 MCS 170096	91 79	112 76	118 69	85 17	105 38	112 49			93 1.30 80	83 0.59 66	115 28 17	112 16.6 76	118 6.4 69	117 66 54	102 19.8 56	110 73 14	109 -27 12	109 10.8 15	109 -4.8 48	103 -2.6 28	108 18.0 59	113 12 15	113 23 14
MCS 210036 92641463 MCS 210036		8894104162 MCS 140001	82 75	112 73	96 59	90 29	87 38	91 49	103 30	92 45	82 2.62 77	132 -1.58 58	110 22 29	112 16.6 73	96 -0.5 59	103 35 54	106 22.3 59	105 55 41	118 -34 17	90 1.0 44	104 -1.1 49	84 1.0 27	98 13.4 57	117 15 44	102 12 43
MCS 210038 92641489 MCS 210038	1	8894104162 MCS 120043	92 77	106 75	118 66	89 28	87 44	106 53	103 30	104 48	90 1.72 79	117 -0.91 63	111 24 28	106 13.8 75	118 6.4 66	115 60 56	91 12.2 60	109 69 40	123 -38 17	93 2.3 43	108 -3.6 58	83 1.1 29	105 16.6 59	116 14 44	106 16 43
MCS 210040 92641505 MCS 210040	2	8894104162 MCS 170073	89 78	102 75	116 69	91 28	101 42	101 53	99 29	99 48	92 1.50 79	85 0.51 66	109 22 28	102 11.9 75	116 5.9 69	111 53 57	93 13.7 56	104 51 39	117 -33 16	90 0.9 43	120 -12.3 56	95 -1.1 28	107 17.7 59	112 12 43	104 13 42
MCS 210046 92856343 MCS 210046	1	MCS 180024 MCS 120069	88 77	101 71	107 53	97 22	81 39	92 47	101 24	92 42	89 1.79 79	96 0.02 63	103 16 22	101 11.2 71	107 3.0 53	105 40 49	99 17.5 54	104 52 27	111 -28 20	98 5.2 28	73 20.3 54	86 0.4 24	109 18.6 53	96 -1 28	98 7 28
MCS 210049 92912278 MCS 210049	2	8894104162 MCS 130046	72 76	99 73	118 60	98 29	105 38	87 50	94 32	87 46	74 3.56 78	101 -0.20 63	102 15 29	99 10.5 73	118 6.5 60	113 56 54	97 15.9 60	97 25 42	114 -30 18	83 -2.8 45	112 -6.8 48	102 -2.4 28	110 19.0 60	99 2 45	93 2 44
MCS 220006 93004620 MCS 220006	14	MCS 170134 MCS 160046	79 75	120 69	103 49	82 16	102 32	100 42			82 2.58 77	84 0.54 56	118 31 16	120 20.3 69	103 1.9 49	111 53 45	131 39.0 54	111 78 17	112 -29 10	110 11.5 17	100 1.5 40	102 -2.5 24	93 10.9 52	114 13 18	112 23 17

Breeding Values and Accuracies: Cows

Inbreeding in red is high

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

Animal			Selection Values								Birth		Wean				Growth			Fertility				Frame	
Index EBV Acc	% Inbreeding	Sire ID Dam ID	Calv. Ease V	Calv Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length
ID Number Name																									
MCS 220012 93814366 MCS 220012	1	MCS 170129 MCS 100096	82 62	124 60	109 51	79 16	95 32	108 40			83 2.49 63	96 0.01 50	121 34 16	124 21.9 60	109 3.6 51	117 65 42	134 41.2 50	114 91 19	117 -33 14	105 8.4 20	91 8.3 40	97 -1.5 23	112 20.2 51	119 16 20	117 28 20
MCS 220013 93814358 MCS 220013	1	MCS 170129 MCS 100096	82 62	124 60	109 51	79 16	95 32	108 40			83 2.49 63	96 0.01 50	121 34 16	124 21.9 60	109 3.6 51	117 65 42	134 41.2 50	114 91 19	117 -33 14	105 8.4 20	91 8.3 40	97 -1.5 23	112 20.2 51	119 16 20	117 28 20
MCS 220020 94150083 22 020		RJC16 MCS 110112	63 62	123 62	113 57	81 16	93 30	94 40			62 4.88 63	80 0.73 48	119 32 16	123 21.7 62	113 4.9 57	122 75 45	123 33.5 52	117 100 13	113 -30 10	110 11.0 13	75 18.9 38	100 -2.0 21	99 14.0 49	120 17 14	118 29 13
MCS 220021 94150091 22 021		RJC16 MCS 110112	64 62	116 59	110 47	82 16	93 30	86 38			67 4.34 63	83 0.60 48	118 31 16	116 18.5 59	110 3.9 47	111 52 41	109 24.3 52	115 95 13	112 -29 10	108 10.3 13	76 18.4 38	99 -1.9 21	93 11.0 48	118 16 14	116 27 13
MCS 220022 94150109 22 022		98CHL MCS 110048	90 55	90 46	105 46	94 17	88 22	81 32			91 1.57 56	91 0.24 45	106 19 17	90 6.1 46	105 2.3 46	86 -1 36	73 0.1 48	92 3 14	94 -14 11	90 1.0 15	104 -1.2 27	85 0.7 17	89 9.1 42	95 -1 15	90 -2 15
MCS 220024 94150125 22 024		98CHL MCS 110048	89 55	90 46	105 46	94 17	88 22	81 32			91 1.61 56	90 0.25 45	106 19 17	90 6.1 46	105 2.3 46	86 1 36	74 0.9 48	92 3 14	94 -14 11	90 1.0 15	104 -1.2 27	85 0.7 17	89 9.1 42	95 -1 15	90 -2 15
MCS 220028 94150216 22 028		RJC16 MCS 180041	65 75	112 72	99 57	93 13	101 28	80 42			61 4.94 77	89 0.30 55	107 20 13	112 16.3 72	99 0.6 57	105 40 47	100 18.0 47	102 43 13	104 -23 11	98 5.2 14	98 3.1 37	102 -2.5 19	105 16.7 46	102 4 14	101 11 14
MCS 220031 94150174 22 031		RJC16 MCS 180037	88 73	121 69	104 41	83 14	116 28	111 39			87 1.98 76	105 -0.42 45	117 30 14	121 20.7 69	104 2.2 41	112 54 41	116 28.9 40	114 91 13	115 -31 11	112 12.1 14	114 -7.7 38	114 -4.8 17	85 7.0 45	116 15 14	115 26 14
MCS 220034 94150257 22 034		FR210110948 MCS 100103	104 78	97 74	111 60	100 28	93 40	106 50	97 22	103 44	104 0.06 79	94 0.11 64	100 13 28	97 9.4 74	111 4.1 60	106 42 54	84 7.3 61	98 29 24	97 -17 19	96 4.0 26	106 -2.4 50	91 -0.3 30	101 14.8 58	92 -3 26	97 6 26
MCS 220035 94150265 22 035		RJC16 MCS 110112	66 75	126 73	110 48	82 16	93 30	98 42			56 5.56 78	95 0.03 48	118 31 16	126 23.2 73	110 3.9 48	119 68 46	110 25.0 52	115 95 13	112 -29 10	108 10.3 13	75 18.8 38	100 -2.0 21	95 11.8 48	118 16 14	116 27 13
MCS 220044 94150356 22 044	6	MCS 120006 MCS 190002	108 74	100 71	111 54	90 15	98 34	112 44			111 -0.66 76	74 0.96 52	110 23 15	100 11.1 71	111 4.4 54	106 42 47	85 8.2 47	104 51 13	106 -24 11	101 6.9 14	116 -9.6 44	93 -0.8 25	91 10.2 54	111 10 14	107 17 14
MCS 220048 95087714 22 0048	6	MCS 120006 MCS 170097	80 76	110 73	124 63	88 15	105 34	105 46			85 2.23 78	44 2.33 61	112 25 15	110 15.6 73	124 8.3 63	122 75 50	105 21.5 52	106 58 13	107 -24 11	103 7.7 14	105 -1.8 44	104 -2.8 23	106 17.4 56	107 8 14	109 19 14

Breeding Values and Accuracies: Cows

Inbreeding in red is high

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

Animal			Selection Values							Birth		Wean				Growth			Fertility				Frame		
Index EBV Acc	% Inbreeding	Sire ID Dam ID	Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length
ID Number Name																									
MCS 220058 94779477 22 058		8894104162 MCS 110048	87 63	87 60	116 57	94 29	90 36	84 45	99 32	85 42	87 1.98 64	98 -0.08 57	106 19 29	87 4.9 60	116 5.9 57	101 32 49	82 6.3 58	104 49 41	116 -32 19	89 0.5 44	112 -6.8 45	85 0.8 26	89 9.1 59	112 11 45	100 9 44
MCS 220064 94779519 22 064		8894104162 MCS 110048	81 63	96 60	116 57	94 29	90 36	87 45	99 32	88 42	82 2.61 64	96 0.02 57	106 19 29	96 9.3 60	116 5.6 57	108 45 49	93 13.8 58	104 49 41	116 -32 19	89 0.5 44	112 -6.8 45	85 0.8 26	89 9.1 59	112 11 45	100 9 44
MCS 220068 94784048 22 068		FR210110948 MCS 120033	84 77	108 75	122 66	88 24	69 38	101 50			87 2.09 79	87 0.41 63	112 25 24	108 14.6 75	122 7.5 66	118 68 55	105 21.9 60	110 75 13	110 -27 10	113 12.6 14	73 20.8 49	73 2.9 27	101 14.7 57	117 15 14	112 22 14
MCS 220069 94784055 22 069		98CHL MCS 200022	91 70	90 64	104 43	97 15	100 20	85 35			93 1.29 73	84 0.53 41	103 16 15	90 6.3 64	104 2.0 43	94 17 41	76 1.9 42	88 -11 6	90 -11 6	87 -0.5 7	105 -1.6 25	99 -1.8 15	96 12.5 37	92 -3 7	88 -3 7
MCS 220071 94784063 22 071		FR210110948 MCS 130072	90 75	110 73	106 60	97 25	67 38	99 49			91 1.59 77	96 0.01 59	103 16 25	110 15.4 73	106 2.6 60	111 51 53	107 22.8 58	102 44 14	100 -19 9	93 2.7 15	70 22.7 50	71 3.3 27	99 13.8 55	107 8 15	103 13 15
MCS 230006 94934056 23 0006		RJC16 MCS 120069	63 77	128 71	104 49	85 20	92 30	95 43	113 24	96 39	54 5.75 79	80 0.72 57	115 28 20	128 24.1 71	104 2.0 49	121 73 47	126 35.4 52	116 97 25	114 -30 20	110 11.3 27	82 14.1 40	96 -1.4 21	100 14.5 50	106 7 27	113 24 26
MCS 230007 94934064 23 0007		FR210110948 MCS 110031	72 78	114 73	123 67	89 24	88 38	100 50			76 3.23 79	78 0.81 64	111 24 24	114 17.6 73	123 7.9 67	124 81 55	115 28.1 60	107 64 13	110 -27 10	96 4.1 14	94 5.6 49	89 0.1 28	103 15.9 56	108 9 14	106 15 14
MCS 230022 95832697 23 022		RJC16 MCS 200019	70 73	123 54	105 38	81 15	96 24	96 34			73 3.62 75	91 0.24 52	119 32 15	123 21.6 54	105 2.5 38	114 59 36	128 37.1 40	115 95 16	115 -31 14	109 10.9 18	82 14.0 33	101 -2.2 16	98 13.3 47	116 15 18	116 27 17
MCS 230024 95832531 23 024		RJC16 MCS 100096	81 66	125 60	99 48	82 16	105 36	104 41			82 2.63 67	102 -0.26 57	118 31 16	125 22.6 60	99 0.5 48	111 53 41	127 36.6 52	115 95 19	117 -33 15	104 8.3 21	92 7.3 53	108 -3.6 20	109 18.7 49	118 15 21	118 29 20
MCS 230026 95832556 23 026		RJC16 MCS 100048	77 65	116 60	109 48	82 22	101 38	98 43	114 20	99 38	77 3.18 66	107 -0.47 56	118 31 22	116 18.4 60	109 3.7 48	111 53 43	111 25.9 54	114 88 24	110 -27 15	110 11.1 26	110 -5.3 53	98 -1.7 24	107 17.7 49	120 17 26	116 27 25
MCS 230027 95832564 23 027		RJC16 MCS 100048	69 62	119 60	109 48	82 22	95 32	94 40	114 20	96 36	71 3.83 63	99 -0.11 49	118 31 22	119 19.7 60	109 3.7 48	115 62 43	117 29.5 54	114 88 24	110 -27 15	110 11.1 26	99 2.5 41	95 -1.1 24	105 16.9 48	120 17 26	116 27 25
MCS 230029 95832580 23 029		RJC16 MCS 100048	71 65	116 60	109 48	82 22	88 38	91 43	114 20	94 38	73 3.67 66	97 -0.06 56	118 31 22	116 18.5 60	109 3.7 48	113 57 43	112 26.1 54	114 88 24	110 -27 15	110 11.1 26	86 11.6 53	91 -0.4 24	107 17.7 49	120 17 26	116 27 25

Breeding Values and Accuracies: Cows

Inbreeding in red is high

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

Animal			Selection Values							Birth		Wean				Growth			Fertility				Frame			
Index EBV Acc	% Inbreeding	Sire ID Dam ID	Calv. Ease V	Calv Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	
ID Number Name																										
MCS 230030 95832705 23 030		FR210110948 MCS 100054	72 76	109 60	126 56	93 23	103 38	100 45			77 3.14 78	72 1.05 63	107 20 23	109 15.2 60	126 8.8 56	124 80 46		110 24.6 54	101 41 12	101 -20 10	99 5.4 13	112 -6.7 49	99 -2.0 27	104 16.2 57	104 6 13	103 12 13
MCS 230032 95832606 23 032		RJC16 MCS 100096	87 66	124 60	99 48	82 16	109 36	108 41			86 2.14 67	109 -0.58 57	118 31 16	124 21.9 60	99 0.5 48	109 48 41		125 34.6 52	115 95 19	117 -33 15	104 8.3 21	99 2.2 53	110 -4.0 20	109 18.7 49	118 15 21	118 29 20
MCS 230039 95976445 MCS 230039		RJC16 MCS 180039	63 75	122 69	111 45	86 12	101 27	94 39			68 4.17 77	77 0.84 54	114 27 12	122 21.2 69	111 4.2 45	119 70 42		114 27.7 40	110 75 11	109 -26 10	101 6.6 12	95 5.0 36	103 -2.6 18	96 12.3 46	112 12 12	112 22 12
MCS 230043 96155502 23 043		RJC16 MCS 100096	82 75	138 73	99 49	72 16	108 30	116 42			81 2.76 78	113 -0.77 50	128 41 16	138 28.7 73	99 0.5 49	113 58 46		134 41.1 52	127 141 19	126 -40 15	116 14.1 21	90 8.9 40	113 -4.5 20	103 15.7 48	128 23 21	131 43 20
MCS 230044 96155510 23 044		RJC16 MCS 110097	85 75	114 73	106 49	84 16	87 28	99 42			85 2.23 78	100 -0.17 49	116 29 16	114 17.5 73	106 2.6 49	108 45 46		106 22.3 52	113 85 13	113 -29 11	109 10.8 14	82 14.1 39	90 -0.3 18	95 12.0 47	115 14 14	114 25 13
MCS 230045 96155528 23 045		FR210110948 MCS 180054	86 75	101 71	117 57	91 23	85 43	95 49			88 1.87 77	87 0.42 61	109 22 23	101 11.3 71	117 6.0 57	111 52 50		96 15.6 57	106 59 12	105 -23 9	100 6.2 12	98 3.2 58	84 1.0 28	99 14.1 54	110 10 12	106 16 12
MCS 230046 96155536 23 046	7	5232801219 MCS 210015	83 74	125 70	113 54	71 20	102 39	112 46	120 26	112 42	86 2.20 76	86 0.44 58	129 42 20	125 22.6 70	113 5.0 54	118 68 48		130 38.1 56	121 115 26	122 -37 23	117 15.0 29	94 6.0 54	104 -2.9 24	99 13.9 54	121 18 30	123 35 29
MCS 230048 96155551 23 048		FR210110948 MCS 190004	88 76	107 71	119 55	88 25	85 43	103 49			89 1.77 78	92 0.18 62	112 25 25	107 14.1 71	119 6.6 55	115 62 50		108 23.3 57	105 55 14	106 -24 9	102 6.9 15	97 4.0 58	84 0.9 28	100 14.2 55	112 11 15	106 16 15
MCS 230049 96155668 23 049		FR210110948 MCS 130072	92 76	104 73	109 60	101 25	59 43	97 51			93 1.35 78	90 0.25 63	99 11 25	104 12.8 73	109 3.5 60	110 51 53		110 24.8 59	97 24 14	96 -16 9	88 0.1 15	60 29.6 59	66 4.4 27	98 13.4 57	102 4 15	98 7 15
MCS 230055 96215371 MCS 230055		RJC16 MCS 120021	68 77	122 60	107 47	86 14	98 28	95 38			57 5.40 79	111 -0.67 56	114 27 14	122 21.4 60	107 3.1 47	119 69 40		123 33.8 47	115 93 15	115 -31 12	107 9.7 16	105 -2.0 38	96 -1.3 19	95 12.2 48	122 19 16	115 25 16
MCS 230057 96420278 23 057		RJC16 MCS 180045	65 76	124 69	110 46	79 13	107 28	97 40			63 4.81 78	94 0.09 55	121 34 13	124 22.3 69	110 4.1 46	122 75 43		128 37.2 46	113 84 13	111 -28 11	109 10.8 15	96 4.2 38	109 -3.8 18	99 14.0 47	116 14 15	115 26 14
MCS 230058 96385984 23 058		MBM0072643 MCS 170097	64 73	129 65	107 41	86 10	106 22	100 35			67 4.28 76	87 0.41 50	114 27 10	129 24.6 65	107 2.9 41	120 71 39		133 40.2 42	112 84 11	114 -30 7	108 10.3 12	97 3.5 30	107 -3.5 15	104 16.4 44	111 11 12	113 24 11

Breeding Values and Accuracies: Cows

Inbreeding in red is high

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

Animal			Selection Values								Birth		Wean				Growth			Fertility				Frame	
Index EBV Acc	% Inbreeding	Sire ID Dam ID	Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length
ID Number Name																									
MCS 240003 96409453 24 003	6	MCS 170129 MCS 200022	81 72	110 69	110 46	87 12	93 24	95 38			85 2.21 75	70 1.18 44	113 26 12	110 15.5 69	110 3.9 46	110 51 42	106 22.4 50	106 59 10	105 -23 8	102 7.4 10	95 4.9 31	93 -0.9 18	102 15.2 45	112 12 10	108 18 10
MCS 240004 96409461 24 004	8	MCS 170129 MCS 140001	97 73	73 71	104 51	113 14	71 29	73 41			96 0.99 76	104 -0.35 48	87 0 14	73 -1.5 71	104 2.0 51	87 2 45	87 9.7 47	73 -69 15	79 -2 10	70 -9.4 15	102 0.3 38	66 4.3 20	103 16.0 48	86 -8 15	70 -23 15
MCS 240009 96576616 24 009	3	MCS 170129 MCS 130030	76 72	126 72	116 51	76 17	111 30	111 43			77 3.17 75	99 -0.15 49	124 37 17	126 23.2 72	116 5.9 51	123 77 47	127 36.5 54	120 112 18	120 -35 13	118 15.2 19	113 -7.5 38	108 -3.7 23	94 11.5 48	124 20 19	121 33 19
MCS 240012 97352439 24 012		MBM0072643 MCS 180032	76 70	111 67	120 41	92 9	92 22	100 35			81 2.76 74	72 1.05 37	108 20 9	111 16.1 67	120 7.0 41	119 69 39	114 27.5 42	106 59 9	106 -24 7	104 8.1 10	95 5.2 28	92 -0.6 17	102 15.4 40	111 11 9	109 20 9
MCS 240013 97352447 24 013	14	MCS 120006 MCS 210040	102 73	86 70	119 54	104 18	98 32	100 43			106 -0.13 75	59 1.63 51	96 9 18	86 4.2 70	119 6.7 54	106 41 47	74 0.7 46	88 -12 22	96 -16 12	79 -4.6 23	121 -12.8 43	91 -0.5 22	102 15.3 53	96 0 24	89 -2 23
MCS 240014 97361349 MCS 240014	1	MBM0072643 MCS 180036	86 70	111 67	104 40	94 10	100 22	100 35			90 1.75 74	76 0.88 38	106 18 10	111 16.0 67	104 2.0 40	106 42 39	112 26.0 42	102 43 11	105 -23 8	94 3.1 12	97 3.9 29	101 -2.2 14	109 18.6 41	106 7 12	105 15 12
MCS 240015 97415996 24 015		RJC16 MCS 200003	65 72	133 69	100 43	76 13	104 22	98 37			65 4.49 75	93 0.13 43	124 37 13	133 26.4 69	100 0.9 43	117 65 42	125 35.3 44	121 118 14	120 -35 11	113 13.0 15	89 9.1 30	108 -3.6 13	98 13.3 43	121 18 15	122 34 15
MCS 240016 97403893 24 016		MBM0072643 MCS 180041	79 71	108 67	100 42	94 10	104 24	90 36			83 2.46 75	77 0.85 39	106 18 10	108 14.7 67	100 0.9 42	103 36 40	115 28.2 43	103 46 11	106 -24 7	99 5.5 12	104 -0.9 30	104 -2.8 18	110 19.0 41	102 4 12	103 12 11
MCS 240017 97403901 24 017		RJC16 MCS 120064	67 75	124 59	103 48	89 18	97 25	95 37			64 4.69 78	107 -0.50 50	111 23 18	124 22.0 59	103 1.8 48	118 67 42	125 34.7 43	111 80 24	119 -34 13	99 5.5 26	89 9.1 34	100 -2.2 16	91 10.0 46	113 12 26	107 18 25
MCS 240020 97496046 24 020		FR210110948 MCS 110043	80 76	109 60	128 60	90 27	90 38	106 46			83 2.47 78	86 0.47 59	110 23 27	109 15.2 60	128 9.4 60	125 81 49	109 24.3 54	116 96 17	110 -28 13	109 10.5 17	100 1.4 49	89 0.0 28	107 17.5 56	118 16 17	115 26 17
MCS 240022 97496921 24 022	2	MCS 120006 MCS 210038	96 73	102 70	117 53	97 19	93 33	106 44			99 0.72 75	78 0.82 51	103 16 19	102 11.7 70	117 6.0 53	113 57 47	83 7.2 47	97 22 22	104 -23 12	87 -0.7 24	111 -6.0 43	88 0.1 23	103 15.6 53	104 6 24	98 7 23
MCS 240032 97796304 MCS 240032		RVS17 MCS 110031	123 72	99 63	105 44	88 10	99 24	119 36			122 -2.00 75	87 0.39 41	112 25 10	99 10.6 63	105 2.5 44	93 14 39	98 16.6 46	110 75 12	111 -28 9	101 6.5 12	98 2.9 30	99 -1.9 18	102 15.5 38	110 10 13	109 19 12

Breeding Values and Accuracies: Cows

Inbreeding in red is high

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

Animal			Selection Values								Birth		Wean				Growth			Fertility				Frame	
Index EBV Acc	% Inbreeding	Sire ID Dam ID	Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length
ID Number Name																									
MCS 240033 97796312 MCS 240033	6	MCS 120006 MCS 220006	103 72	95 58	110 47	95 14	100 30	103 38			107 -0.28 75	60 1.63 48	105 18 14	95 8.8 58	110 4.0 47	103 36 40	93 13.4 45	96 20 12	97 -17 10	94 3.1 13	109 -4.5 38	97 -1.5 22	90 9.5 50	101 4 13	99 8 13
MCS 240040 98006968 MCS 240040		RJC16 MCS 180054	76 73	113 58	104 43	87 13	89 28	90 37			76 3.24 76	103 -0.33 46	113 26 13	113 17.1 58	104 2.0 43	107 44 38	109 24.3 41	112 80 13	108 -26 11	104 8.1 14	90 8.6 37	90 -0.2 19	97 12.9 42	116 14 14	112 23 14
MCS 240041 98787419 MCS 240041	1	MCS 170129 MCS 100102	89 73	108 60	125 52	72 16	103 31	108 40			89 1.80 76	100 -0.19 50	128 41 16	108 14.8 60	125 8.6 52	116 62 43	119 31.0 50	112 82 18	110 -27 14	109 10.5 20	105 -2.1 39	102 -2.5 23	111 19.6 50	120 17 20	116 27 20
MCS 240042 98787401 MCS 240042	1	MCS 170129 MCS 100102	82 73	112 60	126 52	72 16	103 31	107 40			83 2.48 76	101 -0.20 50	128 41 16	112 16.5 60	126 8.8 52	119 68 43	122 33.1 50	112 82 18	110 -27 14	109 10.5 20	105 -2.1 39	102 -2.5 23	111 19.6 50	120 17 20	116 27 20
MCS 240043 98131782 MCS 240043	2	MCS 210022 MCS 210024	86 68	100 49	111 36	101 17	98 23	95 32			88 1.89 72	87 0.40 37	99 11 17	100 10.9 49	111 4.1 36	109 48 34	99 17.7 37	96 20 23	103 -22 13	86 -1.2 25	109 -4.3 29	96 -1.2 17	109 18.5 38	97 0 25	95 4 25
MCS 250003 98259666 MCS 250003		MCS 210022 MCS 210002	75 70	117 65	120 40	89 18	101 24	106 37			79 2.98 73	84 0.52 41	111 24 18	117 18.9 65	120 7.0 40	124 80 41	120 31.7 39	114 90 23	116 -32 12	105 8.5 25	103 -0.3 29	101 -2.2 18	109 18.6 42	113 12 25	113 24 25
MCS 250005 98259716 MCS 250005	6	MCS 170129 MCS 170073	67 72	115 59	117 48	85 11	86 26	92 36			74 3.56 75	65 1.40 48	115 28 11	115 18.0 59	117 6.1 48	119 70 39	114 27.5 43	105 55 11	106 -24 8	101 6.6 11	96 4.6 32	86 0.6 21	105 16.7 45	111 11 11	107 18 11
MCS 250006 98259724 MCS 250006	6	MCS 170129 MCS 170073	74 72	112 59	117 48	85 11	86 26	94 36			80 2.88 75	64 1.41 48	115 28 11	112 16.4 59	117 5.9 48	116 63 39	111 25.4 43	105 55 11	106 -24 8	101 6.6 11	96 4.6 32	86 0.6 21	105 16.7 45	111 11 11	107 18 11
MCS 250011 98440472 MCS 250011	2	MCS 200032 MCS 120012	88 72	103 54	122 48	89 16	97 28	103 37			93 1.34 74	67 1.28 49	111 24 16	103 12.3 54	122 7.5 48	115 61 39	107 23.1 45	112 83 14	111 -28 10	105 8.6 15	103 -0.4 34	95 -1.2 22	90 9.6 45	112 11 15	109 20 15
MCS 250012 98471071 MCS 250012	6	MCS 170129 MCS 170107	71 71	97 71	114 50	99 13	96 30	81 41			76 3.31 74	76 0.91 48	101 14 13	97 9.8 71	114 5.3 50	109 48 45	108 23.6 46	93 9 12	96 -16 9	90 1.2 12	104 -1.3 37	94 -1.0 22	103 16.0 47	100 3 12	92 1 12
MCS 250014 99040073 MCS 250014		FR793249100 MCS 220020	82 51	114 61	106 31	87 8	97 15	100 29			84 2.36 54	91 0.25 24	113 25 8	114 17.6 61	106 2.9 31	110 51 33	115 28.0 26	112 80 6	109 -26 5	108 10.3 7	85 12.1 19	102 -2.4 11	93 10.9 32	113 12 7	113 23 7
MCS 250015 99088908 ROULIO		FR793249100 MCS 220028	81 68	104 62	99 31	99 7	100 14	87 29			82 2.56 73	94 0.10 28	101 14 7	104 12.8 62	99 0.7 31	100 30 33	97 16.5 24	97 24 7	99 -18 5	96 4.0 7	99 2.2 19	101 -2.2 9	95 12.0 31	98 1 7	97 6 7

Breeding Values and Accuracies: Cows

Inbreeding in red is high

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

Animal		Selection Values								Birth		Wean				Growth			Fertility				Frame	
Index EBV Acc		Calv. Ease V	Calv Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length
ID	Sire ID																							
Number	Dam ID																							
Name																								
MCS 250017	RJC16	68	123	108	81	88	95			70	102	119	123	108	117	123	118	113	109	89	89	96	121	119
99088999	MCS 180001	61	59	43	13	26	35			4.01	-0.26	32	21.9	3.2	65	33.3	104	-30	10.7	9.1	-0.1	12.7	18	30
MYLOVE										63	45	13	59	43	38	40	13	11	14	35	17	45	14	14
MCS 250019	FR793249100	120	98	105	99	97	118			119	96	101	98	105	94	84	99	99	99	102	96	93	96	99
99088924	MCS 220034	70	46	31	14	20	29			-1.58	0.00	13	9.9	2.5	16	7.7	33	-18	5.4	0.4	-1.3	10.9	0	8
ROULIO										74	32	14	46	31	30	31	12	10	13	25	15	34	13	13
MCS 250021	MBM0072643	75	116	115	88	79	98			78	88	112	116	115	118	124	112	112	113	79	82	97	118	115
99392698	MCS 120033	57	54	43	11	24	33			3.06	0.35	25	18.2	5.4	66	34.4	82	-28	12.6	16.3	1.3	13.2	16	25
MORNITY NERO										59	41	11	54	43	36	42	12	9	13	31	17	43	13	13
MCS 250022	MBM0072643	72	108	118	94	77	90			78	49	106	108	118	117	140	103	107	101	78	81	88	110	104
99392706	MCS 110071	57	54	42	10	22	32			3.07	2.08	19	14.7	6.4	64	45.0	48	-24	6.6	17.1	1.5	8.8	10	13
MORNITY NERO										59	40	10	54	42	35	42	12	9	12	31	14	43	12	12
MCS 250025	RJC16	81	106	102	96	97	90			82	102	104	106	102	107	104	102	105	94	103	96	94	105	100
99391427	MCS 200015	72	69	42	12	22	37			2.64	-0.25	17	13.7	1.5	43	21.2	43	-23	3.1	-0.6	-1.3	11.4	6	10
MY LOVE										75	44	12	69	42	41	40	13	11	14	30	13	43	14	14
MCS 250027	MBM0072643	72	108	118	94	77	90			78	49	106	108	118	117	140	103	107	101	78	81	88	110	104
99392714	MCS 110071	57	54	42	10	22	32			3.07	2.08	19	14.7	6.4	64	45.0	48	-24	6.6	17.1	1.5	8.8	10	13
MORNITY NERO										59	40	10	54	42	35	42	12	9	12	31	14	43	12	12
MCS 250028	MBM0072643	93	105	106	95	89	99			92	103	105	105	106	107	104	103	102	99	99	88	87	107	104
99391435	MCS 180001	66	61	38	9	22	33			1.42	-0.31	18	13.0	2.8	43	20.6	49	-21	5.4	2.7	0.3	8.4	8	14
MORNITY NERO										69	36	9	61	38	36	29	10	8	10	27	16	33	10	10
MCS 250029	MBM0072643	84	108	101	92	105	94			87	88	108	108	101	104	109	104	105	103	105	104	88	102	104
99391443	MCS 200050	65	61	35	8	19	31			2.07	0.37	21	14.4	1.3	38	24.0	51	-23	7.6	-1.7	-2.9	8.6	4	13
OCEAN										68	34	8	61	35	35	28	10	7	11	26	12	30	11	11
MCS 250030	MBM0072643	83	113	101	89	105	97			84	94	111	113	101	107	105	107	109	103	99	106	85	107	107
99510661	MCS 200003	64	61	36	9	16	31			2.37	0.09	24	16.8	1.3	44	21.7	63	-26	7.7	2.2	-3.2	7.1	8	17
MCS 250030										68	33	9	61	36	35	27	11	7	11	20	12	31	11	11
MCS 250031	MBM0072643	109	85	111	103	83	98			109	91	97	85	111	99	87	94	96	96	90	84	84	98	94
99391450	MCS 220068	64	60	34	12	19	32			-0.48	0.22	10	4.1	4.1	26	9.5	10	-15	3.8	8.9	1.0	6.8	1	3
ROULIO										68	31	12	60	34	35	30	6	5	7	25	13	31	7	7
MCS 250033	MBM0072643	102	111	103	87	104	112			102	93	113	111	103	106	103	111	109	111	101	104	87	112	113
99391476	MCS 210033	64	61	36	8	19	32			0.30	0.15	26	16.0	1.8	43	20.4	77	-27	11.5	0.7	-2.8	8.1	11	24
MY LOVE										68	33	8	61	36	35	28	7	6	7	24	14	32	7	7
MCS 250034	MBM0072643	76	109	104	99	99	90			81	74	101	109	104	109	112	96	101	89	99	99	105	100	99
99410680	MCS 180036	70	68	40	10	22	36			2.72	0.97	14	14.9	2.0	49	26.4	22	-20	0.3	2.5	-1.9	16.5	3	8
MCS 250034										74	38	10	68	40	39	35	11	8	12	29	14	41	12	12

1

Breeding Values and Accuracies: Cows

Inbreeding in red is high

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

Animal			Selection Values									Birth		Wean				Growth			Fertility				Frame	
Index EBV Acc	% Inbreeding	Sire ID Dam ID	Calv. Ease V	Calf Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length	
ID Number Name																										
MCS 250035 99410698 MCS 250035		MBM0072643 MCS 180032	82 70	115 68	120 41	90 9	93 22	108 36			86 2.15 74	73 1.02 37	110 23 9	115 17.8 68	120 7.0 41	118 68 39	116 29.2 36	109 71 9	108 -26 7	107 9.6 10	94 6.2 28	93 -0.9 17	98 13.3 41	114 13 9	113 23 9	
MCS 250036 99510125 MCS 250036		RJC16 MCS 170020	71 73	108 70	100 46	101 20	97 30	83 42	99 23	85 38	74 3.53 76	87 0.40 48	99 12 20	108 14.6 70	100 1.0 46	111 51 45	111 25.8 44	102 43 26	105 -23 19	98 5.0 27	101 0.8 39	97 -1.5 21	91 10.2 47	92 -3 27	94 3 27	
MCS 250040 6020124506 ROULIO		FR793249100 MCS 120043	103 73	97 67	102 44	98 9	87 24	99 37			103 0.23 77	98 -0.09 41	102 15 9	97 9.6 67	102 1.5 44	97 24 40	94 14.2 35	98 27 11	102 -21 9	95 3.3 11	101 1.2 29	85 0.8 19	96 12.3 39	101 3 11	97 7 11	
MCS 250042 6020124472 MORNITY NERO		MBM0072643 MCS 180039	68 71	113 67	111 40	96 9	103 23	92 36			75 3.45 74	65 1.40 39	104 17 9	113 16.9 67	111 4.2 40	117 66 39	113 26.6 35	101 40 9	103 -22 7	92 2.1 10	104 -1.3 29	102 -2.4 17	99 13.8 41	104 5 10	102 12 9	
MCS 250043 6020124514 ROULIO		FR793249100 MCS 130072	94 72	108 49	95 43	100 11	76 24	97 32			93 1.31 76	107 -0.48 41	100 13 11	108 14.7 49	95 -0.5 43	100 29 34	110 25.1 34	100 37 13	98 -17 8	93 2.8 13	77 18.0 32	79 1.8 17	96 12.4 38	105 6 13	102 11 13	
MCS 260002 6020124563 ROULIO		FR793249100 MCS 170107	92 71	107 49	100 40	93 10	112 24	101 32			94 1.27 75	89 0.30 39	107 20 10	107 14.3 49	100 0.8 40	98 24 33	104 21.0 32	106 60 9	106 -24 7	105 8.6 9	109 -4.5 30	111 -4.2 17	97 12.9 37	109 9 9	106 16 9	
MCS 260003 6020124571 ROULIO		FR793249100 MCS 180045	108 71	104 48	110 39	86 10	109 24	115 31			108 -0.32 75	98 -0.07 39	114 27 10	104 12.6 48	110 4.1 39	101 32 32	101 19.1 31	107 63 10	107 -25 8	107 9.8 11	103 -0.5 31	110 -3.9 17	99 13.8 36	110 10 11	109 20 11	
MCS 260006 6020184591 26 0006	3	MCS 170129 MCS 170002	64 70	125 58	133 47	77 17	105 30	108 39			59 5.16 73	82 0.63 47	123 36 17	125 22.4 58	133 11.0 47	134 101 41	131 39.3 46	112 81 17	108 -25 11	107 9.7 18	106 -2.7 38	103 -2.7 21	101 14.8 47	122 19 19	117 28 18	
MCS 260007 6020184609 26 0007	4	MCS 170129 MCS 170097	71 70	118 59	116 48	78 13	92 28	96 37			75 3.35 73	76 0.90 48	122 35 13	118 19.1 59	116 5.8 48	117 66 40	123 33.8 46	117 100 12	116 -32 9	114 13.1 13	86 11.4 37	95 -1.2 19	106 17.5 46	117 15 13	117 28 13	
MCS 260011 6020813736 26 0011		FR793249100 MCS 230026	103 68	108 41	104 25	91 11	101 20	111 26			102 0.29 72	103 -0.29 28	109 22 11	108 14.4 41	104 2.3 25	98 25 26	100 17.9 28	107 63 12	105 -23 7	106 8.9 13	104 -1.0 27	100 -2.0 12	96 12.3 30	111 10 13	109 19 13	
MCS 260012 6020813744 26 0012		FR793249100 MCS 230039	98 68	111 44	105 24	92 6	101 14	110 24			99 0.65 73	88 0.36 27	108 21 6	111 15.8 44	105 2.5 24	101 32 25	100 18.4 21	105 56 6	105 -23 5	101 6.7 6	97 4.1 18	102 -2.5 9	90 9.6 29	107 8 6	106 16 6	
MCS 260013 6020813751 26 0013		FR793249100 MCS 230032	101 68	111 41	99 25	90 8	105 18	110 25			100 0.55 72	104 -0.36 29	110 23 8	111 16.2 41	99 0.7 25	100 30 25	110 24.7 27	108 66 10	109 -26 7	103 7.5 11	99 2.7 26	106 -3.2 10	97 12.8 30	109 9 10	110 20 10	

Breeding Values and Accuracies: Cows

Inbreeding in red is high

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

Animal			Selection Values								Birth		Wean				Growth			Fertility				Frame	
Index EBV Acc	% Inbreeding	Sire ID Dam ID	Calv. Ease V	Calv Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Birth wt dir	Birth mat	Mature wt	Wean wt	Wean mat	Cow-Calf Ratio (Wean)	Postwean wt	ADG	FCR	Scrotal Circ.	Heifer Fertility	Cow Fertility	Longevity	Height	Length
ID Number Name																									
MCS 260016 6020813785 26 0016		FR793249100 MCS 230048	104 70	103 45	109 28	93 12	93 22	110 29			104 0.09 74	95 0.03 31	107 19 12	103 12.3 45	109 3.7 28	102 34 28	100 18.2 29	103 46 7		101 6.8 8	97 3.6 29	93 -0.7 14	92 10.6 33	106 7 8	104 14 8
MCS 260017 6020813793 26 0017		FR793249100 MCS 230045	92 70	100 45	108 29	95 12	93 22	96 29			93 1.36 74	93 0.12 31	105 18 12	100 10.9 45	108 3.4 29	105 40 29	100 18.1 28	103 48 6		101 6.4 6	98 3.2 29	93 -0.7 14	92 10.5 33	106 7 6	104 13 6
MCS 260019 6020813819 26 0019		FR793249100 MCS 230029	88 68	108 41	104 25	91 11	94 20	97 26			88 1.90 72	99 -0.11 28	109 22 11	108 14.5 41	104 2.3 25	105 40 26	106 22.3 28	107 63 12	105 -23 7	106 8.9 13	92 7.4 27	96 -1.4 12	96 12.3 30	111 10 13	109 19 13
MCS 260021 6020813835 26 0021		FR793249100 MCS 230046	89 69	112 45	107 28	85 10	101 20	103 28			90 1.70 73	93 0.13 29	115 28 10	112 16.6 45	107 2.9 28	110 50 28	117 29.9 28	111 76 13	112 -28 12	109 10.9 15	96 4.6 27	103 -2.6 12	92 10.4 32	111 11 15	112 23 14
MCS 260027 6020813868 26 0027		FR793249100 MCS 230055	88 69	111 41	103 25	92 7	99 14	101 23			88 1.91 74	105 -0.40 28	108 21 7	111 15.9 41	103 1.9 25	104 38 24	108 23.4 24	108 65 8	108 -25 6	104 8.2 8	102 0.6 19	98 -1.8 9	90 9.6 30	112 11 8	108 18 8

Selection List on Cow Value

Bulls 2 years and older

ID Sorted on ID			Name	Sire ID	Dam ID	% Inbreeding	Horned / Polled	Myostatin			Genomic tested	Calving Ease Value Acc	Calf Growth Value Acc	Milk Value Acc	Maint. Value Acc	Fertility Value Acc	Cow Value Acc	Growth Value Acc	Prod Value Acc								
												★★★★☆															
1	MCS 220037	MCS TANK 22-0037 X 10	RJC16	MCS 170002	0.0							63	73	139	70	122	45	74	16	117	28	117	40				
2	MCS 230047	23 047	RJC16	MCS 170002	0.0							65	73	133	70	122	45	71	16	117	28	112	40				
3	MCS 230052	MCS 230052	MBM0072643	MCS 100103	0.0							118	74	98	54	101	43	100	18	103	27	114	36	99	22	109	33
4	MCS 240019	24 019	5232801219	MCS 210033	1.2							96	73	117	70	109	55	79	21	103	35	115	45	114	26	113	41
5	MCS 240037	OCEAN	RVS17	MCS 120033	0.0							107	71	109	63	115	42	77	10	81	24	116	35				
												★★★★															
1	MCS 230013	MCS TUNDRA 23-013	FR2101109480	MCS 110043	0.0							82	75	112	70	127	60	87	27	91	38	108	48				
2	MCS 230015	23 015	FR2101109480	MCS 120064	3.1							94	76	102	71	115	60	95	28	90	36	104	48				
3	MCS 230038	23 038	8552394134	MCS 110044	0.0							97	75	99	61	114	60	95	36	101	40	103	49	105	38	102	47
4	MCS 240001	24 001	MCS 170129	MCS 120039	5.0							87	75	126	72	98	52	70	13	82	29	104	42				
5	MCS 240002	24 002	MCS 170129	MCS 170071	3.8							63	73	135	71	104	50	75	13	92	28	100	41				
6	MCS 240027	MCS 240027	RJC16	MCS 170020	0.0							65	74	134	69	100	46	86	20	101	30	101	42	115	23	102	38
7	MCS 240035	MORNITY NERO	MBM0072643	MCS 190038	0.8							96	70	117	53	95	37	92	11	110	24	109	32				
8	MCS 240039	SISTERON	FR2101109480	MCS 190004	0.0							92	74	103	60	118	55	86	25	82	38	102	45				
												★★★★☆															
1	MCS 230003	23 0003	98CHL	MCS 170020	0.0							98	69	101	48	102	46	94	23	96	28	99	36	98	21	97	33
2	MCS 230012	MCS THUNDER 23-012	FR2101109480	MCS 120043	0.0							94	76	98	71	116	61	93	24	78	38	99	48				
3	MCS 230020	23 020	MCS 170129	MCS 120066	6.1							90	72	107	70	100	51	89	13	75	30	92	41				
4	MCS 230021	23 021	7195122401	MCS 200050	0.1							92	74	107	61	84	57	100	39	100	44	91	50	100	42	91	48
5	MCS 230025	23 025	RJC16	MCS 100048	0.0							69	62	120	60	109	48	82	22	95	32	94	40	114	20	96	36
6	MCS 230035	23 035	RJC16	MCS 100048	0.0							68	62	121	60	109	48	82	22	95	32	94	40	114	20	97	36
7	MCS 230036	MCS RONALDINHO 23-036	7195122401	MCS 200056	0.0							98	73	105	69	89	55	103	39	92	44	96	52	96	42	94	50
8	MCS 230040	23 040	FR2101109480	MCS 180008	12.5							78	74	107	71	116	57	86	24	75	36	91	47				
9	MCS 230051	23 051	FR2101109480	MCS 130046	0.8							92	75	92	73	116	61	96	25	99	38	94	49				
10	MCS 230054	MCS 230054	RJC16	MCS 170073	0.0							67	73	120	69	106	46	86	11	98	26	92	38				
11	MCS 240006	24 006	MCS 170129	MCS 170107	5.9							63	73	119	71	111	50	84	13	99	30	91	41				

Selection List on Cow Value

Bulls 2 years and older

ID Sorted on ID			Name	Sire ID	Dam ID	% Inbreeding	Horned / Polled	Myostatin Q204X nt821 F94L Genomic tested				Calving Ease Value Acc	Calf Growth Value Acc	Milk Value Acc	Maint. Value Acc	Fertility Value Acc	Cow Value Acc	Growth Value Acc	Prod Value Acc							
												★★★★														
12	MCS 240007	24 007	MCS 170129	MCS 110099	9.8							63	73	131	73	108	52	74	16	78	30	96	43			
13	MCS 240008	24 008	MCS 170129	MCS 210018	6.5							81	69	106	68	112	43	89	11	80	23	92	37			
14	MCS 240023	MCS 240023	RJC16	MCS 180039	0.0							74	73	113	70	111	45	89	12	100	27	94	39			
15	MCS 240024	MCS 240024	RJC16	MCS 160053	0.0							67	73	125	70	106	45	85	14	99	28	97	40			
16	MCS 240026	MCS 240026	MBM0072643	MCS 200050	0.4							64	70	123	64	102	37	87	10	106	20	91	33			
17	MCS 240029	MCS 240029	MCS 120006	MCS 120043	0.1							102	76	86	71	113	59	103	15	85	35	95	45			
18	MCS 240044	MCS 240044	MCS 170129	MCS 210049	1.2							65	71	117	57	120	42	89	17	89	26	95	36			
												★★★★														
1	MCS 230019	23 019	MCS 170129	MCS 120031	3.3							68	72	107	70	118	50	88	15	87	30	86	42			
2	MCS 240038	MORNITY NERO	MBM0072643	MCS 180033	0.0							74	70	104	53	102	37	104	10	89	22	83	32			
												★★★★														
1	MCS 240021	24 021	98CHL	MCS 200024	0.0							81	69	94	63	97	43	95	16	96	20	75	35			
2	MCS 240036	MYLOVE	RJC16	MCS 180008	0.0							78	73	98	69	103	45	92	12	80	26	77	39			

Selection List on Cow Value

Cows 2 years and older

ID	Name	Sire ID	Dam ID	% Inbreeding	Horned / Polled	Myostatin			Genomic tested	Calving Ease Value	Calf Growth Value	Milk Value	Maint. Value	Fertility Value	Cow Value	Growth Value	Prod Value										
Sorted on ID						Q204X	nt821	F94L		Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc										
										★★★★																	
1	MCS 100102	10 102	5232801219	THG 050065	0.0	HH	0	0	0		107	90	102	88	132	89	64	75	133	78	124	82	113	75	120	81	
2	MCS 130030	13 030	MCS 090064	THG 050039	4.1						102	85	111	79	119	81	85	29	144	50	127	59	111	30	121	53	
											★★★★☆																
1	MCS 120012	12 012	FR2101109480	THG 040076	0.0	HH	0	0	0		83	91	105	87	139	87	92	76	98	79	112	82	110	75	110	81	
2	MCS 160053	MCS 160053	MCS 090064	MCS 130076	0.3						93	82	114	77	112	76	84	22	102	48	112	55	107	20	109	48	
3	MCS 170002	MCS 170002	MCS 090064	THG 050065	0.5						72	82	116	77	144	75	74	28	135	47	118	56	114	26	115	50	
4	MCS 170071	MCS 170071	MCS 120010	MCS 100096	0.9						90	83	131	79	89	80	78	20	109	44	111	55					
5	MCS 180045	MCS 180045	MCS 120010	MCS 100102	1.0						96	82	108	79	121	78	73	20	118	48	114	56					
6	MCS 190038	MCS 190038	MCS 120010	MCS 100096	0.9						101	81	117	76	90	71	88	20	119	46	112	53					
7	MCS 210002	MCS 210002	8894104162	MCS 120012	3.1						84	80	106	74	140	65	92	30	96	38	113	51	107	30	110	47	
8	MCS 210015	MCS 210015	MCS 180030	MCS 180045	4.0						83	76	123	72	123	66	71	13	104	32	116	45					
9	MCS 210029	MCS 210029	8894104162	MCS 130030	3.9						95	76	109	74	121	59	88	31	119	39	117	50	108	32	113	46	
10	MCS 210033	MCS 210033	MCS 120010	MCS 170096	6.8						91	79	112	76	118	69	85	17	105	38	112	49					
11	MCS 220031	22 031	RJC16	MCS 180037	0.0						88	73	121	69	104	41	83	14	116	28	111	39					
12	MCS 220044	22 044	MCS 120006	MCS 190002	6.4						108	74	100	71	111	54	90	15	98	34	112	44					
13	MCS 230043	23 043	RJC16	MCS 100096	0.0						82	75	138	73	99	49	72	16	108	30	116	42					
14	MCS 230046	23 046	5232801219	MCS 210015	7.0						83	74	125	70	113	54	71	20	102	39	112	46	120	26	112	42	
15	MCS 240009	24 009	MCS 170129	MCS 130030	3.2						76	72	126	72	116	51	76	17	111	30	111	43					
16	MCS 240032	MCS 240032	RVS17	MCS 110031	0.0						123	72	99	63	105	44	88	10	99	24	119	36					
											★★★★																
1	MCS 110043	11 043	MCS 070032	THG 040048	2.3	HH	0	0	0		80	88	111	86	129	89	88	76	98	78	108	82	123	76	109	81	
2	MCS 120033	12 033	MCS 080017	THG 070139	1.0	HH	1	0	0		78	89	110	87	130	88	81	75	56	78	100	82	117	75	101	81	
3	MCS 120064	12 064	8894104162	THG 060114	0.0						83	86	112	77	106	84	96	32	98	40	100	56	98	34	98	52	
4	MCS 170073	MCS 170073	MCS 120006	MCS 120039	0.3						92	83	102	78	113	77	92	15	99	40	101	51					
5	MCS 170097	MCS 170097	MCS 120010	MCS 130046	0.5						70	82	121	78	114	77	76	19	110	44	100	54					
6	MCS 180001	MCS 180001	MCS 140003	MCS 110043	4.5						82	82	116	78	115	73	79	18	79	42	102	52					

Selection List on Cow Value

Cows 2 years and older

ID Sorted on ID			Name	Sire ID	Dam ID	% Inbreeding	Horned / Polled	Myostatin		Genomic tested	Calving Ease Value Acc	Calf Growth Value Acc	Milk Value Acc	Maint. Value Acc	Fertility Value Acc	Cow Value Acc	Growth Value Acc	Prod Value Acc								
											★★★															
7	MCS 180032	MCS 180032	MCS 120006	MCS 120033	0.3						78	80	97	78	141	76	96	16	81	44	100	53				
8	MCS 180039	MCS 180039	MCS 120006	MCS 110031	0.1						89	82	101	78	122	76	91	16	104	45	104	53				
9	MCS 180044	MCS 180044	MCS 120010	MCS 100053	0.2						72	80	119	75	114	66	84	25	114	48	102	54	115	26	103	48
10	MCS 200003	MCS 200003	MCS 170007	MCS 170029	16.6						69	78	139	74	100	70	66	18	112	31	106	47				
11	MCS 210018	MCS 210018	MCS 180029	MCS 120021	2.2						100	74	103	69	99	60	94	14	87	30	100	43				
12	MCS 210038	MCS 210038	8894104162	MCS 120043	0.8						92	77	106	75	118	66	89	28	87	44	106	53	103	30	104	48
13	MCS 210040	MCS 210040	8894104162	MCS 170073	2.0						89	78	102	75	116	69	91	28	101	42	101	53	99	29	99	48
14	MCS 220006	MCS 220006	MCS 170134	MCS 160046	14.4						79	75	120	69	103	49	82	16	102	32	100	42				
15	MCS 220012	MCS 220012	MCS 170129	MCS 100096	0.9						82	62	124	60	109	51	79	16	95	32	108	40				
16	MCS 220013	MCS 220013	MCS 170129	MCS 100096	0.9						82	62	124	60	109	51	79	16	95	32	108	40				
17	MCS 220034	22 034	FR2101109480	MCS 100103	0.0						104	78	97	74	111	60	100	28	93	40	106	50	97	22	103	44
18	MCS 220048	22 0048	MCS 120006	MCS 170097	6.5						80	76	110	73	124	63	88	15	105	34	105	46				
19	MCS 220068	22 068	FR2101109480	MCS 120033	0.0						84	77	108	75	122	66	88	24	69	38	101	50				
20	MCS 230007	23 0007	FR2101109480	MCS 110031	0.0						72	78	114	73	123	67	89	24	88	38	100	50				
21	MCS 230024	23 024	RJC16	MCS 100096	0.0						81	66	125	60	99	48	82	16	105	36	104	41				
22	MCS 230030	23 030	FR2101109480	MCS 100054	0.0						72	76	109	60	126	56	93	23	103	38	100	45				
23	MCS 230032	23 032	RJC16	MCS 100096	0.0						87	66	124	60	99	48	82	16	109	36	108	41				
24	MCS 230048	23 048	FR2101109480	MCS 190004	0.0						88	76	107	71	119	55	88	25	85	43	103	49				
25	MCS 230058	23 058	MBM0072643	MCS 170097	0.4						64	73	129	65	107	41	86	10	106	22	100	35				
26	MCS 240012	24 012	MBM0072643	MCS 180032	0.3						76	70	111	67	120	41	92	9	92	22	100	35				
27	MCS 240013	24 013	MCS 120006	MCS 210040	14.1						102	73	86	70	119	54	104	18	98	32	100	43				
28	MCS 240014	MCS 240014	MBM0072643	MCS 180036	0.8						86	70	111	67	104	40	94	10	100	22	100	35				
29	MCS 240020	24 020	FR2101109480	MCS 110043	0.0						80	76	109	60	128	60	90	27	90	38	106	46				
30	MCS 240022	24 022	MCS 120006	MCS 210038	1.6						96	73	102	70	117	53	97	19	93	33	106	44				
31	MCS 240033	MCS 240033	MCS 120006	MCS 220006	6.4						103	72	95	58	110	47	95	14	100	30	103	38				
32	MCS 240041	MCS 240041	MCS 170129	MCS 100102	0.7						89	73	108	60	125	52	72	16	103	31	108	40				
33	MCS 240042	MCS 240042	MCS 170129	MCS 100102	0.7						82	73	112	60	126	52	72	16	103	31	107	40				
											★★★															

Selection List on Cow Value

Cows 2 years and older

ID Name Sorted on ID			Sire ID	Dam ID	% Inbreeding	Horned / Polled	Myostatin		Genomic tested	Calving Ease Value Acc	Calf Growth Value Acc	Milk Value Acc	Maint. Value Acc	Fertility Value Acc	Cow Value Acc	Growth Value Acc	Prod Value Acc								
										★★★★★															
1	MCS 110099	11 099	FR2101109480	THG 030074	0.0					83	86	114	82	102	84	88	27	79	49	95	59				
2	MCS 120043	12 043	MCS 090025	THG 070147	5.9					96	86	101	81	105	85	89	19	74	48	95	57	100	20	94	50
3	MCS 170020	MCS 170020	0397108304	MCS 110103	0.0					77	84	114	79	101	77	97	37	103	52	95	61	110	43	96	57
4	MCS 170119	MCS 170119	MCS 120010	MCS 120069	0.3					61	83	129	78	108	75	78	24	87	46	94	55	121	24	98	49
5	MCS 180036	MCS 180036	MCS 120006	MCS 100096	0.9					94	81	95	78	108	76	102	18	96	41	95	52				
6	MCS 190004	MCS 190004	MCS 140003	MCS 100048	4.2					85	82	109	76	111	69	80	23	81	47	96	54	112	22	97	48
7	MCS 190044	MCS 190044	MCS 120010	MCS 120069	0.3					77	78	107	74	110	61	94	24	94	45	91	52	103	24	92	46
8	MCS 200015	MCS 200015	MCS 170007	MCS 120021	4.3					83	80	111	75	104	67	89	18	101	32	97	47				
9	MCS 200024	MCS 200024	MCS 120006	MCS 170071	6.7					102	78	98	74	92	69	101	15	102	34	95	47				
10	MCS 200033	MCS 200033	MCS 170007	MCS 170094	2.0					80	71	114	68	106	47	89	16	90	29	97	40				
11	MCS 200050	MCS 200050	MCS 170134	MCS 130046	2.0					70	79	120	75	105	68	80	17	111	38	93	49				
12	MCS 210024	MCS 210024	8894104162	MCS 180036	3.1					84	75	96	70	118	57	102	29	94	36	93	48	89	30	91	44
13	MCS 210036	MCS 210036	8894104162	MCS 140001	0.0					82	75	112	73	96	59	90	29	87	38	91	49	103	30	92	45
14	MCS 210046	MCS 210046	MCS 180024	MCS 120069	0.7					88	77	101	71	107	53	97	22	81	39	92	47	101	24	92	42
15	MCS 220020	22 020	RJC16	MCS 110112	0.0					63	62	123	62	113	57	81	16	93	30	94	40				
16	MCS 220035	22 035	RJC16	MCS 110112	0.0					66	75	126	73	110	48	82	16	93	30	98	42				
17	MCS 220071	22 071	FR2101109480	MCS 130072	0.0					90	75	110	73	106	60	97	25	67	38	99	49				
18	MCS 230006	23 0006	RJC16	MCS 120069	0.0					63	77	128	71	104	49	85	20	92	30	95	43	113	24	96	39
19	MCS 230022	23 022	RJC16	MCS 200019	0.0					70	73	123	54	105	38	81	15	96	24	96	34				
20	MCS 230026	23 026	RJC16	MCS 100048	0.0					77	65	116	60	109	48	82	22	101	38	98	43	114	20	99	38
21	MCS 230027	23 027	RJC16	MCS 100048	0.0					69	62	119	60	109	48	82	22	95	32	94	40	114	20	96	36
22	MCS 230029	23 029	RJC16	MCS 100048	0.0					71	65	116	60	109	48	82	22	88	38	91	43	114	20	94	38
23	MCS 230039	MCS 230039	RJC16	MCS 180039	0.0					63	75	122	69	111	45	86	12	101	27	94	39				
24	MCS 230044	23 044	RJC16	MCS 110097	0.0					85	75	114	73	106	49	84	16	87	28	99	42				
25	MCS 230045	23 045	FR2101109480	MCS 180054	0.0					86	75	101	71	117	57	91	23	85	43	95	49				
26	MCS 230049	23 049	FR2101109480	MCS 130072	0.0					92	76	104	73	109	60	101	25	59	43	97	51				
27	MCS 230055	MCS 230055	RJC16	MCS 120021	0.0					68	77	122	60	107	47	86	14	98	28	95	38				
28	MCS 230057	23 057	RJC16	MCS 180045	0.0					65	76	124	69	110	46	79	13	107	28	97	40				
29	MCS 240003	24 003	MCS 170129	MCS 200022	6.2					81	72	110	69	110	46	87	12	93	24	95	38				

Selection List on Cow Value

Cows 2 years and older

ID Sorted on ID			Name	Sire ID	Dam ID	% Inbreeding	Hommed / Polled	Myostatin		Genomic tested	Calving Ease Value Acc	Calf Growth Value Acc	Milk Value Acc	Maint. Value Acc	Fertility Value Acc	Cow Value Acc	Growth Value Acc	Prod Value Acc								
											★★★★															
30	MCS 240015	24 015	RJC16	MCS 200003	0.0						65	72	133	69	100	43	76	13	104	22	98	37				
31	MCS 240016	24 016	MBM0072643	MCS 180041	0.4						79	71	108	67	100	42	94	10	104	24	90	36				
32	MCS 240017	24 017	RJC16	MCS 120064	0.0						67	75	124	59	103	48	89	18	97	25	95	37				
33	MCS 240040	MCS 240040	RJC16	MCS 180054	0.0						76	73	113	58	104	43	87	13	89	28	90	37				
34	MCS 240043	MCS 240043	MCS 210022	MCS 210024	1.8						86	68	100	49	111	36	101	17	98	23	95	32				
											★★★★															
1	MCS 130072	13 072	MCS 090062	THG 050058	1.5						79	86	117	81	91	84	100	23	51	50	87	59	102	22	88	52
2	MCS 170107	MCS 170107	MCS 120010	MCS 110008	0.5						63	83	116	80	100	80	87	19	124	46	85	55				
3	MCS 180033	MCS 180033	MCS 120006	MCS 110097	12.5						102	80	79	76	105	70	113	18	77	46	85	53				
4	MCS 180041	MCS 180041	MCS 120010	MCS 130046	0.5						73	81	105	79	100	79	89	19	108	47	82	55				
5	MCS 180051	MCS 180051	MCS 140003	MCS 100103	0.3						91	81	92	76	99	69	100	21	69	45	80	53	92	24	81	47
6	MCS 180054	MCS 180054	MCS 140003	MCS 110043	4.5						81	81	100	77	108	73	90	18	81	46	84	53				
7	MCS 210049	MCS 210049	8894104162	MCS 130046	1.6						72	76	99	73	118	60	98	29	105	38	87	50	94	32	87	46
8	MCS 220021	22 021	RJC16	MCS 110112	0.0						64	62	116	59	110	47	82	16	93	30	86	38				
9	MCS 220022	22 022	98CHL	MCS 110048	0.0						90	55	90	46	105	46	94	17	88	22	81	32				
10	MCS 220024	22 024	98CHL	MCS 110048	0.0						89	55	90	46	105	46	94	17	88	22	81	32				
11	MCS 220028	22 028	RJC16	MCS 180041	0.0						65	75	112	72	99	57	93	13	101	28	80	42				
12	MCS 220058	22 058	8894104162	MCS 110048	0.0						87	63	87	60	116	57	94	29	90	36	84	45	99	32	85	42
13	MCS 220064	22 064	8894104162	MCS 110048	0.0						81	63	96	60	116	57	94	29	90	36	87	45	99	32	88	42
14	MCS 220069	22 069	98CHL	MCS 200022	0.0						91	70	90	64	104	43	97	15	100	20	85	35				
											★★★★															
1	MCS 180008	MCS 180008	MCS 140003	MCS 110112	5.8						68	82	108	78	106	76	83	18	67	42	77	53				
2	MCS 240004	24 004	MCS 170129	MCS 140001	8.3						97	73	73	71	104	51	113	14	71	29	73	41				

Selection List on Cow Value

Bull Calves younger than 2 years

ID			Name	Sire ID	Dam ID	% Inbreeding	Horned / Polled	Myostatin		Genomic tested	Calving Ease Value	Calf Growth Value	Milk Value	Maint. Value	Fertility Value	Cow Value	Growth Value	Prod Value							
Sorted on ID								Q204X	nt821	F94L	Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc						
											★★★★☆														
1	MCS 250002	MCS 250002		MCS 170002		0.0					78	67	124	62	116	38	78	14	119	24	112	35			
2	MCS 250041	MYLOVE	RJC16	MCS 160053		0.0					108	73	112	58	106	45	83	14	99	28	118	37			
3	MCS 250045	OCEAN	RVS17	MCS 170071		0.0					102	69	114	46	94	40	86	10	105	22	110	30			
4	MCS 260004	OCEAN	RVS17	MCS 210002		0.0					106	68	102	43	120	33	93	15	99	20	117	29			
											★★★★														
1	MCS 250008	MCS 250008	MCS 170129	MCS 170097		3.7					63	73	129	70	116	49	73	13	93	28	100	40			
2	MCS 250010	MCS 250010	MCS 170129	MCS 180045		3.7					74	71	117	70	121	49	75	13	96	30	100	41			
3	MCS 250018	MYLOVE	RJC16	MCS 210015		0.0					64	72	137	68	111	41	71	10	101	22	106	36			
4	MCS 250023	MORNITY NERO	MBM0072643	MCS 120012		0.0					77	59	113	54	120	41	94	14	100	25	104	34			
5	MCS 250037	MCS 250037	FR7932491006	MCS 230007		0.0					97	70	106	62	111	35	93	12	95	19	108	33			
6	MCS 250038	MCS 250038	FR7932491006	MCS 220048		0.0					80	70	112	62	112	33	87	7	104	17	100	31			
7	MCS 260009	26 0009	FR7932491006	MCS 170073		0.0					103	70	100	48	106	39	95	8	100	20	106	29			
8	MCS 260014	26 0014	FR7932491006	MCS 230024		0.0					89	68	112	41	99	25	90	8	103	18	101	25			
9	MCS 260015	26 0015	FR7932491006	MCS 230022		0.0					88	68	111	39	103	21	90	7	98	12	100	22			
10	MCS 260020	26 0020	FR7932491006	MCS 230057		0.0					85	69	112	44	105	24	89	7	104	14	100	24			
11	MCS 260023	26 0023	FR7932491006	MCS 230049		0.0					104	70	101	46	104	31	100	12	80	22	105	29			
12	MCS 260024	26 0024	FR7932491006	MCS 230058		0.0					91	68	114	43	103	21	92	5	103	11	107	22			
											★★★★☆														
1	MCS 250001	MCS 250001	RJC16	MCS 170071		0.0					75	73	128	71	94	47	83	13	102	26	99	39			
2	MCS 250007	MCS 250007	FR2101109480	MCS 130072		0.0					77	75	110	72	111	60	98	25	66	38	92	48			
3	MCS 250016	MYLOVE	RJC16	MCS 180001		0.0					68	61	123	59	108	43	81	13	88	26	95	35			
4	MCS 250020	MYLOVE	RJC16	MCS 180041		0.0					64	73	132	70	100	47	81	13	103	28	96	40			
5	MCS 250024	MORNITY NERO	MBM0072643	MCS 120033		0.5					75	57	116	54	115	43	88	11	79	24	98	33			
6	MCS 250026	MORNITY NERO	MBM0072643	MCS 110071		0.1					72	57	108	54	118	42	94	10	77	22	90	32			
7	MCS 250032	OCEAN		MCS 210040		0.0					92	64	102	61	106	36	91	14	101	21	98	33			
8	MCS 250039	MYLOVE	RJC16	MCS 170119		0.0					62	73	131	70	104	45	81	15	92	28	95	40			
9	MCS 250044	MORNITY NERO	MBM0072643	MCS 190004		0.4					73	70	116	53	105	36	88	12	91	24	93	33			
10	MCS 260001	ROULIO	FR7932491006	MCS 210046		0.0					97	70	100	45	103	27	98	11	91	20	98	28			

Selection List on Cow Value
Bull Calves younger than 2 years

ID Sorted on ID	Name	Sire ID	Dam ID	% Inbreeding	Horned / Polled	Myostatin Q204X nt821 F94L	Genomic tested	Calving Ease Value Acc	Calf Growth Value Acc	Milk Value Acc	Maint. Value Acc	Fertility Value Acc	Cow Value Acc	Growth Value Acc	Prod Value Acc	
											★★★★☆					
11	MCS 260018	26 0018	FR7932491006	MCS 230030	0.0			8070	10441	11329	9612	10218	9426			
12	MCS 260022	26 0022	MCS 140003	MCS 120012	3.0			7176	10861	12455	8817	7835	9242			
13	MCS 260025	26 0025	MCS 140003	MCS 220034	0.1			8560	10258	10948	9218	7632	9039			
14	MCS 260026	26 0026	MCS 140003	MCS 220034	0.1			8560	10258	10948	9218	7632	9039			
											★★★					
1	MCS 250013	MCS 250013	MCS 170129	MCS 180051	13.9			6571	11258	11045	8914	7229	8237			
2	MCS 250046	ROULIO	FR7932491006	MCS 230006	0.0			6570	11445	10226	9210	9615	8325			
											★★★					
1	MCS 250004	MCS 250004	98CHL	MCS 200022	0.0			7470	9646	10442	9215	10120	7531			

Selection List on Cow Value

Heifers younger than 2 years

ID Sorted on ID			Name	Sire ID	Dam ID	% Inbreeding	Horned / Polled	Myostatin Q204X nt821 F94L	Genomic tested	Calving Ease Value Acc	Calf Growth Value Acc	Milk Value Acc	Maint. Value Acc	Fertility Value Acc	Cow Value Acc	Growth Value Acc	Prod Value Acc							
										★★★★☆														
1	MCS 250019	ROULIO	FR7932491006	MCS 220034	0.0					120	70	98	46	105	31	99	14	97	20	118	29			
2	MCS 250033	MY LOVE		MCS 210033	0.0					102	64	111	61	103	36	87	8	104	19	112	32			
3	MCS 260003	ROULIO	FR7932491006	MCS 180045	0.0					108	71	104	48	110	39	86	10	109	24	115	31			
4	MCS 260011	26 0011	FR7932491006	MCS 230026	0.0					103	68	108	41	104	25	91	11	101	20	111	26			
5	MCS 260012	26 0012	FR7932491006	MCS 230039	0.0					98	68	111	44	105	24	92	6	101	14	110	24			
6	MCS 260013	26 0013	FR7932491006	MCS 230032	0.0					101	68	111	41	99	25	90	8	105	18	110	25			
7	MCS 260016	26 0016	FR7932491006	MCS 230048	0.0					104	70	103	45	109	28	93	12	93	22	110	29			
										★★★★														
1	MCS 250003	MCS 250003	MCS 210022	MCS 210002	0.1					75	70	117	65	120	40	89	18	101	24	106	37			
2	MCS 250011	MCS 250011	MCS 200032	MCS 120012	2.4					88	72	103	54	122	48	89	16	97	28	103	37			
3	MCS 250014	MCS 250014	FR7932491006	MCS 220020	0.0					82	51	114	61	106	31	87	8	97	15	100	29			
4	MCS 250035	MCS 250035	MBM0072643	MCS 180032	0.3					82	70	115	68	120	41	90	9	93	22	108	36			
5	MCS 260002	ROULIO	FR7932491006	MCS 170107	0.0					92	71	107	49	100	40	93	10	112	24	101	32			
6	MCS 260006	26 0006	MCS 170129	MCS 170002	3.0					64	70	125	58	133	47	77	17	105	30	108	39			
7	MCS 260021	26 0021	FR7932491006	MCS 230046	0.0					89	69	112	45	107	28	85	10	101	20	103	28			
8	MCS 260027	26 0027	FR7932491006	MCS 230055	0.0					88	69	111	41	103	25	92	7	99	14	101	23			
										★★★★☆														
1	MCS 250005	MCS 250005	MCS 170129	MCS 170073	5.7					67	72	115	59	117	48	85	11	86	26	92	36			
2	MCS 250006	MCS 250006	MCS 170129	MCS 170073	5.7					74	72	112	59	117	48	85	11	86	26	94	36			
3	MCS 250017	MYLOVE	RJC16	MCS 180001	0.0					68	61	123	59	108	43	81	13	88	26	95	35			
4	MCS 250021	MORNITY NERO	MBM0072643	MCS 120033	0.5					75	57	116	54	115	43	88	11	79	24	98	33			
5	MCS 250022	MORNITY NERO	MBM0072643	MCS 110071	0.1					72	57	108	54	118	42	94	10	77	22	90	32			
6	MCS 250025	MY LOVE	RJC16	MCS 200015	0.0					81	72	106	69	102	42	96	12	97	22	90	37			
7	MCS 250027	MORNITY NERO	MBM0072643	MCS 110071	0.1					72	57	108	54	118	42	94	10	77	22	90	32			
8	MCS 250028	MORNITY NERO		MCS 180001	0.0					93	66	105	61	106	38	95	9	89	22	99	33			
9	MCS 250029	OCEAN		MCS 200050	0.0					84	65	108	61	101	35	92	8	105	19	94	31			
10	MCS 250030	MCS 250030		MCS 200003	0.0					83	64	113	61	101	36	89	9	105	16	97	31			
11	MCS 250031	ROULIO		MCS 220068	0.0					109	64	85	60	111	34	103	12	83	19	98	32			

Selection List on Cow Value
Heifers younger than 2 years

ID		Name	Sire ID	Dam ID	% Inbreeding	Horned / Polled	Myostatin			Calving Ease Value	Calf Growth Value	Milk Value	Maint. Value	Fertility Value	Cow Value	Growth Value	Prod Value									
Sorted on ID							Q204X	nt821	F94L	Genomic tested	Acc	Acc	Acc	Acc	Acc	Acc	Acc									
									★★★★☆																	
12	MCS 250034	MCS 250034	MBM0072643	MCS 180036	0.8						76	70	109	68	104	40	99	10	99	22	90	36				
13	MCS 250040	ROULIO	FR7932491006	MCS 120043	0.0						103	73	97	67	102	44	98	9	87	24	99	37				
14	MCS 250042	MORNITY NERO	MBM0072643	MCS 180039	0.2						68	71	113	67	111	40	96	9	103	23	92	36				
15	MCS 250043	ROULIO	FR7932491006	MCS 130072	0.0						94	72	108	49	95	43	100	11	76	24	97	32				
16	MCS 260007	26 0007	MCS 170129	MCS 170097	3.7						71	70	118	59	116	48	78	13	92	28	96	37				
17	MCS 260017	26 0017	FR7932491006	MCS 230045	0.0						92	70	100	45	108	29	95	12	93	22	96	29				
18	MCS 260019	26 0019	FR7932491006	MCS 230029	0.0						88	68	108	41	104	25	91	11	94	20	97	26				
									★★★																	
1	MCS 250012	MCS 250012	MCS 170129	MCS 170107	5.9						71	71	97	71	114	50	99	13	96	30	81	41				
2	MCS 250015	ROULIO	FR7932491006	MCS 220028	0.0						81	68	104	62	99	31	99	7	100	14	87	29				
3	MCS 250036	MCS 250036	RJC16	MCS 170020	0.0						71	73	108	70	100	46	101	20	97	30	83	42	99	23	85	38

	EBVi	Description / Measurement	Goal	Low Value	High Value
Selection Values	Calving Ease Value	Difficult calving due to high birth weight	Average birth weight	High	Low
	Calf Growth Value	Calf's genetic ability for prewean growth	Heavy weaner	Light	Heavy
	Milk Value	Cow's genetic mothering and milking ability	Enough milk for calf	Less	More
	Maintenance Value	Maintenance requirement of cow (weight and milk)	Low cow maintenance	High	Low
	Fertility Value	Fertility and retention of cows and heifers	Fertile cows	Low	High
	Cow Value	Combination of calving ease, calf growth, milk, maintenance and fertility values (Rand-value per Ha)	Profitable cows	Loss	Profit
	Weaner Calf Value	Heavier weaners and more milk, with lower birth and cow weights	Heavy weaner	Light	Heavy
	Growth Value	Efficient growth on veld and in feedlot (Rand-value per animal)	Profitable growth	Loss	Profit
	Production Value	Combination of Cow- and Growth Values (Rand-value)	Profitable animals	Loss	Profit
	Carcass Value	Meat on carcass (Weight and RTU EBVs)	Meat on carcass	Less	More
Birth	Cow weight - birth	Cow weight at birth of calves	Mature cow weight	Light	Heavy
	Birth weight direct	Birth weight (Calf's genetic ability)	Average birth weight	Heavy	Light
	Cow-Calf birth	EBV Birth dir / EBV Mature cow weight	Average	Low	High
Wean	Cow Weight wean	Cow weight at weaning of calves	Mature cow weight	Light	Heavy
	Weaning weight direct	Weaning weight (Calf's genetic ability)	Heavy weaners	Light	Heavy
	Weaning weight mat	Weaning weight (Dam's genetic ability)	Good mothers	Poor	Good
	Cow-Calf Wean	EBV Wean dir / EBV Mature cow weight	High cow-calf ratio	Low	High
Growth & Adaptation	Post-Wean weight	12- and 18mth weights	Post-wean growth	Low	High
	Ave. Daily Gain	Average daily gain in growth test (Phase C and D)	Good growth	Poor	Good
	Veld Growth	ADG on veld (Phase B)	Good adaptation	Poor	Good
	Feed Conversion Ratio	100g feed intake /g weight gain	Feed Efficiency	Poor	Good
	Final Test Weight	Final weight in growth test (Phase C and D)	Heavy Carcasses	Light	Heavy
	Skin Thickness	Measured in growth tests	Thicker skin	Thin	Thick
Fertility	Scrotal Circumference	Scrotal circumference in growth test	Fertile bulls	Less	More
	Heifer Fertility	Age at first calving	Fertile heifers	Less	More
	Cow Fertility	First 3 inter-calving periods (ICPs)	Fertile cows	Less	More
	Longevity	Retention of progeny	Acceptable progeny	Poor	Good
Frame	Height	Shoulder / Hip height in growth test	Average height	Short	Tall
	Length	Length in growth test	Longer (more meat)	Short	Long
	Length:Height	EBV Length / EBV Height	Longer, not higher	Less desirable	More desirable
Carcass	Eye Muscle Area	RTU Eye muscle area	Muscle in carcass	Small	Big
	Fat	RTU P8 Backfat Thickness	Carcass quality & adaptability	Thin	Thick
	Marbling	RTU % Marbling	Juicy meat	Low	High
	Dressing%	Carcass weight / Live weight	High dressing %	Low	High

Notes on the interpretation of EBVs, EBVi's, sub-values and selection values

EBVi (EBVindex) is the breeding value index and is easier to interpret than the breeding value, especially for commercial farmers buying from stud farmers. The base of a breeding value index is 100, which is the average of all the live animals in the breed, and all values are expressed relative to this value. Values above 100 are always in a more desirable direction: an index of 105 for AFC indicates a genetic potential to calve earlier. Note that a very high index is not always desirable. For certain traits, such as birth weight, average values can be better.

EBV: (Estimated Breeding Value) indicates the genetic potential of the animal for a specific trait. It is presented in the unit of measurement and relative to the average of animals born in the base year (1990 for most breeds and traits). Higher values for certain traits are better while lower values for other traits are better, for example, an EBV of -2 for AFC (age at first calving) indicates that the animal has the genetic potential to calve 2 days earlier than the average heifer in 1990 (the base year). Earlier calving is better and therefore low breeding values (high breeding value indices) are better. For weaning weight, higher values are better.

Sub-values combine similar breeding values in a scientific manner to simplify the selection of animals. For example, AFC (age at first calving) and ICP (inter-calving period) are combined to form the sub-value Fertility by taking the heritability and economic importance in consideration. The sub-value is expressed in an index format, thus an animal with a sub-value of 110 for Fertility will genetically be above average compared to the live animals in the breed.

Selection Values (Cow Value and Growth Value) combine the sub-values into a single value. This gives a quick and easy indication of the combined genetic value of an animal compared to the breed. It is advised to still look at the sub-values to see where the strengths and weaknesses lie.

How to use breeding values to select animals

Selecting animals on breeding values is easy if you know how. There is a common saying that “good nutrition can mask poor breeding”. This is very true. If an animal that is genetically inferior is fed well, it can appear as a great animal. This great performance will not be passed over to future generations. An animal that is genetically superior can appear to be inferior if its environment did not allow it to reach its true potential. It is best to select animals that are most adapted to the environment and can reach their full potential. To continuously adapt the environment to the animal can be expensive.

The reason why the use of breeding values is such a valuable tool is because it “removes” the environmental effect that contributes to the performance.

Scientific methods are used to determine how much of the performance is due to genetics and to identify genetically superior animals. This involves the measurement of animals under controlled environments, complete record keeping and pedigree information. *If performance recording and pedigree information are not done correctly, breeding values of these animals will not be useful.* Keep in mind that breeding is a long-term option: the effect of a bull selected/bought today will only show much later. If it is a good decision, his daughters will become part of the breeding herd and contribute to overall profitability in future.

Even if a bull is not perfect in all aspects, knowing the shortcomings will allow strategic selection with suitable cows. Traits are genetically correlated, meaning that a change in one trait can lead to a change in another. This change can be favourable or unfavourable. An increase in weaning weight can lead to an increase in birth weight, which can lead to calving difficulty. It is therefore advisable to not only select on a single trait. Take other traits in consideration to avoid negative effects.

How to improve the herd genetically

The first and most important aspect is to know what type of animal will improve the herd genetically. This can be determined through the following factors:

What happens to the calves? For example: used as replacement heifers, sold as stud animals or sold to commercial breeders who sell weaner calves.

How much feed is available? The availability of feed (or the hardness of the environment) determines the optimal frame size. If feed is abundant and the environment is less harsh, larger animals would be ideal. If not, medium framed animals would be ideal.

What is the genetics of the cow herd? Are they the wrong frame type, grow too slowly, do not have enough milk, etc.? Always aim to breed a calf that is superior to its dam.

Conclusion

Different types of bulls are suitable for different types of cows, environments and breeding objectives. Inbreeding should be avoided or limited as much as possible. Mating programs are available to aid in the pairing of bulls and cows.

The data used for this evaluation is pedigree information and performance data found on LOGIX as provided by breeders. All attempts are made to present accurate information. SA Stud Book takes no responsibility for the use and interpretation of information presented in this report.

