

SUSSEX

BREEDING VALUE REPORT

September 2026



BONNIE BRAE SUSSEX

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The brand you need

 **LOGIX**



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



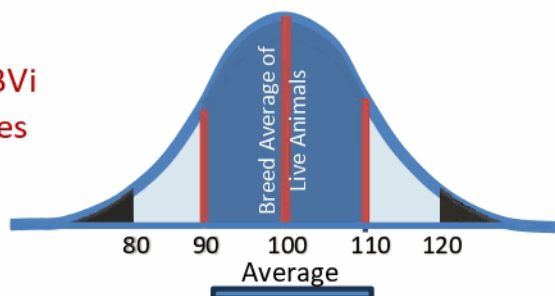
80% LOGIX Cow Value +
20% LOGIX Growth Value

LOGIX Carcass Value

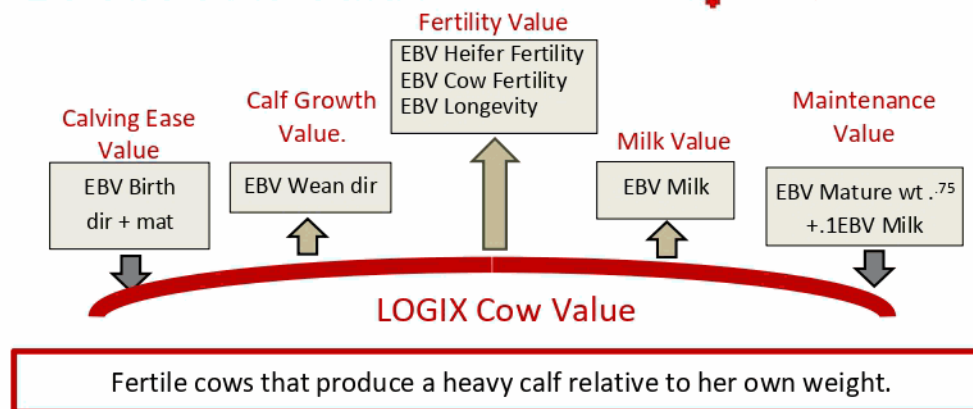


Select for more meat on the carcass as measured from end weight in Phase C and D Growth Tests and RTU scanning.

Interpretation of EBVi and Selection Values



LOGIX Cow Value



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

Contemporary Groups

The correct composition of contemporary groups is one of the cornerstones of BLUP breeding value estimation. Breeding values are estimated from the differences between animals exposed to the same environment, *as these differences are caused by genetics*. The following aspects are important:

1. Animals at the same time, place and treatment

A contemporary group is a comparable group of animals measured at the same time in the same environment. It is therefore a comparable group of animals that were together on the same farm or camp in the same year and season. If there are animals in the group that were treated differently, they should be given a separate treatment code because their performance is influenced by other environmental influences than the rest of the group. Examples of possible different treatments are when some animals received supplements or creep feed, sale or show animals, embryo donors, sick or foster calves or even purchased cows and calves. If bull and heifer calves or older cows and young heifers were in the same camp, they should be placed in the same group – corrections for sex, age and first calving of cows are automatically made during breeding value estimation.

2. Progeny of at least two sires, of which one is a link sire

The progeny of different sires needs to be compared in the same group in order to determine the sires' genetic merit relative to each other. At least one sire should be a link sire with progeny in other herds. Genetic links between herds are used to determine the position of sires in the breed. All sires are good link sires. Smaller herds could artificially inseminate some cows or allow some cows to be covered by another herd's bull.

3. Larger groups stabilise Breeding Values

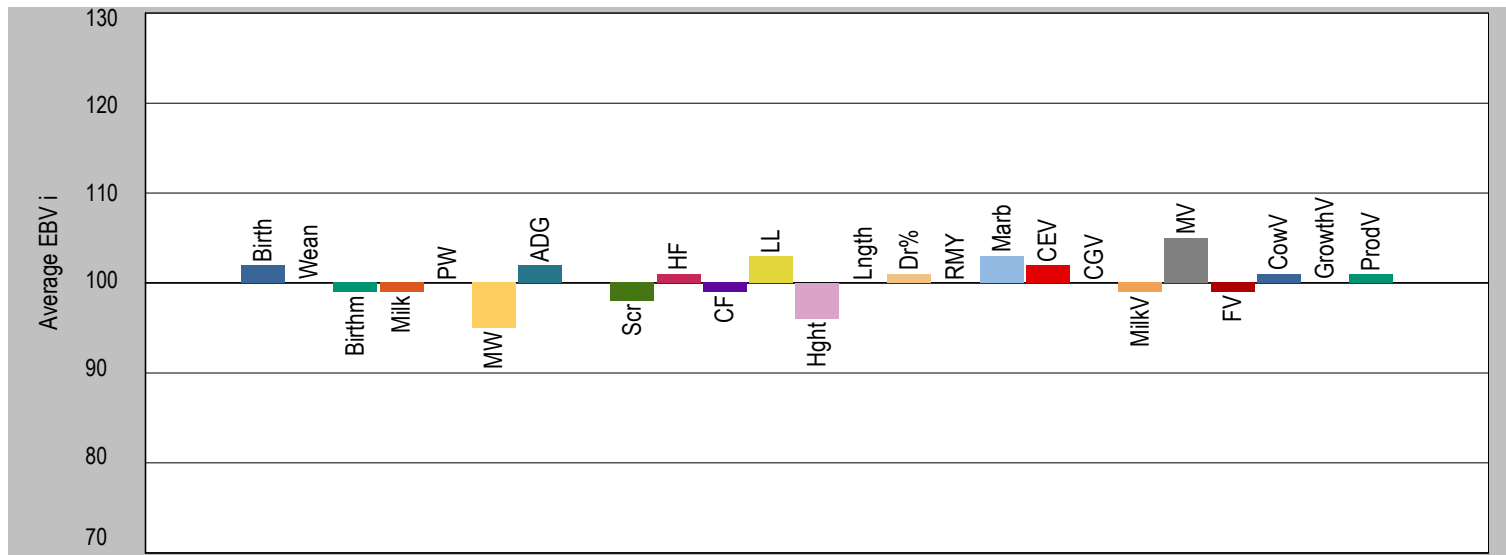
Larger groups result in more accurate and stable breeding values, as the mean and distribution of the group can be more accurately determined and are thus more representative. Groups should preferably have more than 5 animals. Weigh all the animals in the same group on the same day, as corrections for age differences are made during genetic evaluation. The use of breeding seasons rather than through the year calving will also increase contemporary group size. Groups with less than 3 animals are not included in breeding value estimation. An accidental mistake in a small group affects the animal itself, its family, all the other animals in the group and their families. The effect could be much less in large groups.

4. Measure all animals in the contemporary group

Weigh ALL the animals in the contemporary group, the good as well as the poor performers. Weigh animals before they are culled, so their parents can be penalized for their poor breeding.



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	Lngth:	Length
ADG:	Average Daily Gain	Dr%:	Dressing%
FCR:	Feed Conversion Ratio	RMY:	Red Meat Yield
		Marb:	Marbling

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	EBV Index	EBV Breed
Prewrite Growth	Birth Weight	0.96	102	1.09
	Wean Weight	15.3	100	15.4
	Birth Mat.	0.47	99	0.44
	Milk (Wn.Mat.)	6.1	99	6.2
Postwean Growth	Postwean Wt	30.1	100	29.9
	Mature Weight	21	95	26
	ADG	125	102	113
	FCR			-90
Fertility	Scrotal Circumf.	12.7	98	13.7
	Heifer Fertility	-1.9	101	-1.5
	Cow Fertility	-5.6	99	-5.8
	Longevity	26.8	103	24.9
Frame	Height	16	96	19
	Length	32	100	32
Carcass	Dressing%	-0.03	101	-0.05
	RedMeatYield	0.6	100	0.4
	Marbling	-0.36	103	-0.65

Selection Value	Ave. Herd
Calving Ease	102
Calf Growth	100
Milk	99
Maintenance	105
Fertility	99
Cow Value	101
Growth Value	100
Production Value	101

- 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

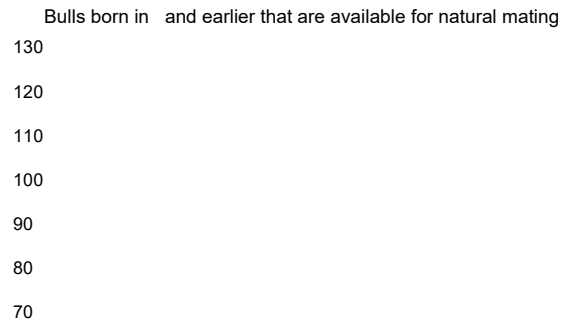
Milk: Cows with more milk and better mothering ability

Maintenance: Animals with low maintenance requirements (lower mature weight).

Fertility: Cows/daughters that calve

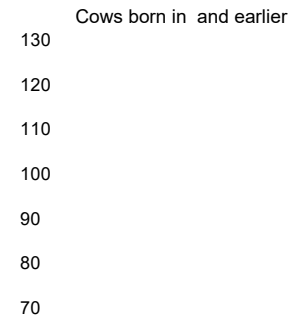
Genetic Windows

Bulls on the farm



Animals available for breeding

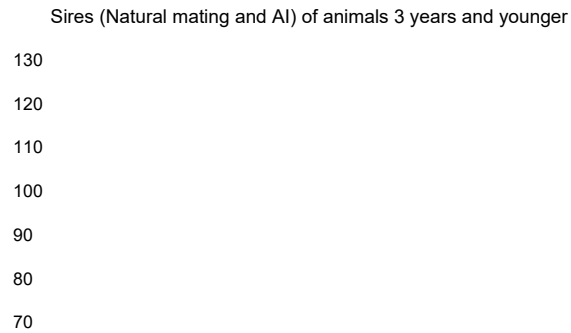
Total:



Cow Herd

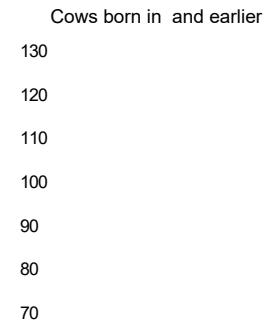
Total:

Sires of young animals



Results of previous selection decisions

Total:

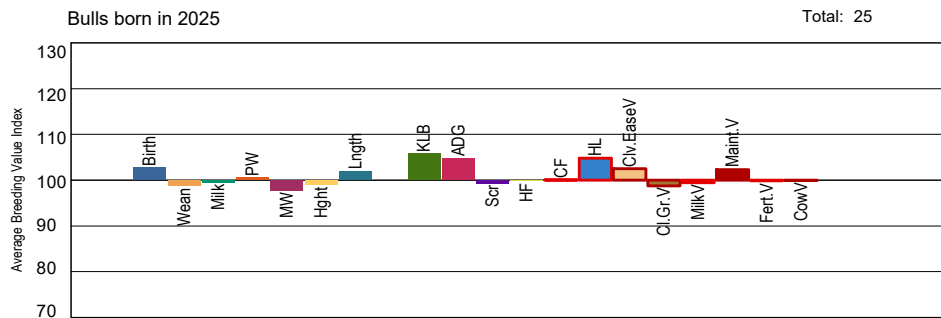


Cows older than 6 years

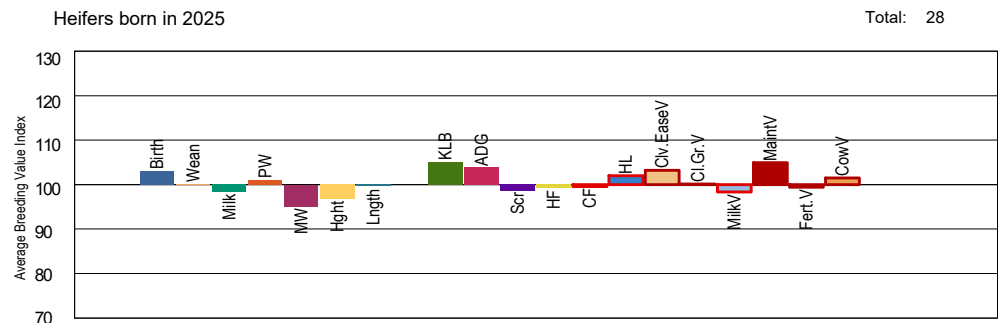
Total:

Selection possibilities

Bull calves



Heifer calves

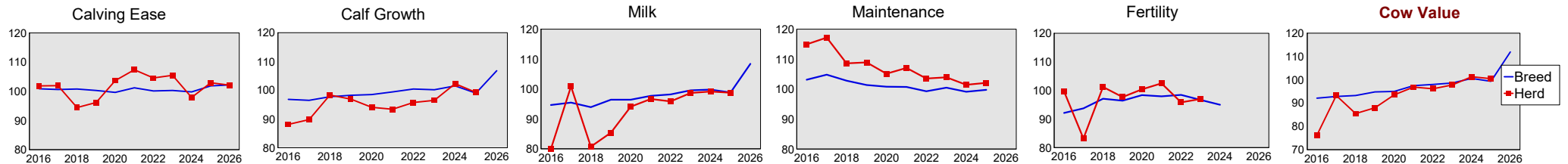


Summary of Cow Herd

			Selection Values (SV)							Calf Weight		Dam		Growth & Efficiency				Fertiity				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	100	100	100	100	100	99	99	100	100	100	100	100	100	100	99	99	99	100	100	100	99	99
2014	1	★★★★	129	83	100	117	73	96			126	83	118	100	84	83	102	103	102	87	74	102	95	100	
2015	1	★★★★☆	101	86	98	95	106	85			102	86	84	98	85	105	92	97	82	120	101	94	80	83	
2016	1	★★★★☆	115	91	111	105	100	106	91	101	113	91	101	111	94	95	96	97	92	103	99	107	85	95	
2017	4	★★★★☆	95	104	108	119	83	108			95	104	101	108	103	81	109	109	115	99	82	100	105	107	
2018	4	★★★★	91	103	90	105	113	96			91	103	94	90	102	96	100	102	97	104	113	102	88	94	
2019	2	★★★★	94	98	98	116	94	96			94	98	97	98	95	85	100	102	90	96	95	109	91	95	
2020	8	★★★★☆	105	97	100	103	102	100			104	97	103	100	96	97	102	103	96	100	102	103	97	100	
2021	5	★★★★☆	109	95	102	106	107	104	96	102	108	95	98	102	98	94	104	105	104	96	110	101	98	101	
2022	7	★★★★	106	96	96	116	93	99	105	110	105	96	108	96	95	84	100	102	92	90	96	103	94	97	
2023	20	★★★★☆	102	101	100	104	96	102	103	98	103	101	103	100	101	96	101	102	98	99	96	102	95	99	
2024	13	★★★★☆	94	108	99	99	105	105	103	104	94	108	100	99	108	101	107	107	108	103	104	103	100	107	
2025	28	★★★★☆	103	100	98	105	99	102			103	100	99	98	101	95	104	105	99	99	100	102	97	100	
2026	20	★★★★☆	102	97	99	106	100	100	99	97	102	97	98	99	97	94	98	100	92	106	98	101	91	95	
Cows in Herd Average:			104	97	100	107	98	100	100	102	103	97	100	100	97	93	101	103	97	100	98	102	94	98	

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.



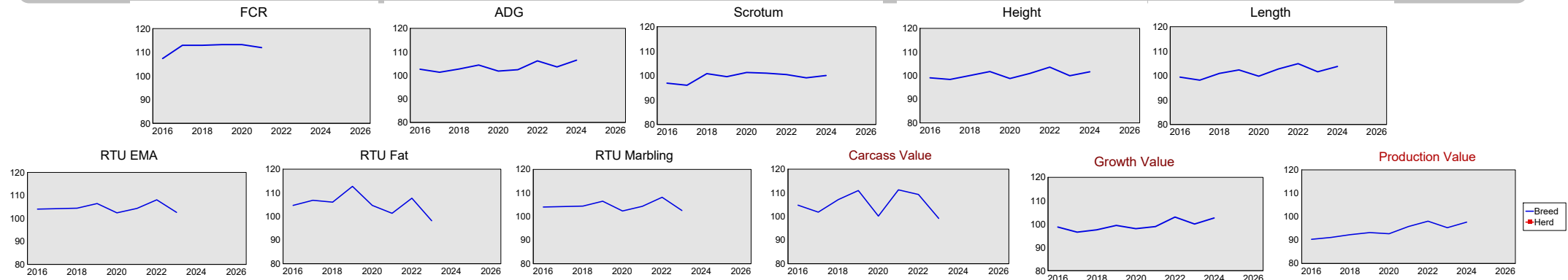
Herd

Birth Year	Calving Ease				Calf Growth			Milk			Maintenance						Fertility								Cow Value
	Birth Weight		Mat EBV	Calv. Ease	Weaning Weight		Calf Growth	Milk (Wn.Mat.)		Postwean Weight		Mature Weight		Maintenance	Heifer Fert.		Cow Fert.		Longevity		Fertility				
	Number	Dir EBV			Number	EBV		Number	EBV	Milk	Number	EBV	Number		EBV	Number	EBV	Number	EBV	Number		EBV			
2016	27	1.00	0.27	102	12	9.4	88	12	-1.38	76	12	14.9	13	10	115	14	-3.3	11	-4.9	27	19.6	100	76		
2017	35	0.75	0.35	102	26	10.4	90	26	6.53	101	13	18.4	12	8	117	12	4.5	12	-1.9	35	21.4	83	93		
2018	34	1.60	0.35	94	24	14.6	98	24	0.23	81	18	27.0	14	18	109	14	2.7	13	-6.3	35	20.7	101	86		
2019	40	1.45	0.35	96	32	13.9	97	32	1.73	85	16	28.6	3	7	109	7	4.7	3	-5.8	36	22.8	98	88		
2020	44	0.84	0.28	104	36	12.5	94	36	4.40	94	34	24.5	14	21	105	16	0.1	14	-5.9	44	21.0	100	94		
2021	49	0.51	0.34	107	47	12.2	93	47	5.22	97	44	25.3	11	20	107	12	-0.2	11	-6.5	50	20.9	103	97		
2022	44	0.73	0.33	105	34	13.3	96	34	4.95	96	24	27.1	10	14	104	10	5.0	4	-4.1	13	23.1	96	96		
2023	39	0.65	0.22	105	40	13.7	96	40	5.81	99	40	26.4	3	36	104	20	-2.1	1	-8.3			97	98		
2024	46	1.29	0.44	98	43	16.6	102	43	5.99	99	35	30.8			101								101		
2025	55	0.84	0.55	103	52	15.1	99	52	5.85	99	24	30.0			102								101		
2026	35	0.92	0.49	102																					

Breed

Birth Year	Calving Ease				Calf Growth			Milk			Maintenance						Fertility								Cow Value
	Birth Weight		Mat EBV	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			Number	EBV		Number	EBV		Number	EBV	Number	EBV		Number	EBV	Number	EBV	Number	EBV		Number	EBV	
2016	1955	1.03	0.37	101	1392	13.8	97	1392	4.56	95	1016	27.2	155	24	103	490	1.9	379	-4.2	1999	17.9	92	92		
2017	2176	1.04	0.42	101	1503	13.7	97	1503	4.83	95	1143	26.9	231	21	105	589	1.5	426	-4.4	2201	18.1	94	93		
2018	2151	1.03	0.34	101	1437	14.3	98	1437	4.35	94	1018	28.3	233	23	103	512	-0.1	390	-5.4	2143	17.4	97	93		
2019	2032	1.08	0.35	100	1356	14.5	98	1356	5.11	96	967	28.6	173	26	101	519	0.5	353	-5.2	2109	18.7	96	95		
2020	2209	1.13	0.42	100	1596	14.7	99	1596	5.13	96	1107	28.3	226	27	101	587	-0.5	403	-5.6	2251	18.7	98	95		
2021	2344	1.00	0.39	101	1733	15.1	99	1733	5.53	98	1384	29.5	220	25	101	696	-0.1	414	-5.4	2145	19.1	98	98		
2022	2141	1.10	0.38	100	1549	15.6	100	1549	5.68	98	1124	30.7	148	25	99	479	1.6	92	-5.9	898	19.9	98	98		
2023	2136	1.05	0.46	100	1634	15.5	100	1634	6.11	100	1211	29.9	17	26	100	237	0.4	3	-6.6			97	99		
2024	2177	1.09	0.46	100	1492	16.2	102	1491	6.17	100	992	31.7			99	22	-3.8					95	101		
2025	2001	0.91	0.46	102	1255	14.9	99	1255	5.87	99	218	32.9			100								99		
2026	686	0.88	0.57	102	27	18.8	107	27	8.86	108													112		

Genetic Trends for Growth Test Traits



Herd

Birth Year	Growth									Frame						Carcass						Selection Values			
	FCR			ADG			Scrotum			Height			Length			EMA			Fat		Marbling		Carcass Value	Growth Value	Prod Value
	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	RTU Number	EBV	EBVi	EBV	EBVi	EBV	EBVi			
2017																									
2018																									
2019																									
2020																									
2021																									
2022																									
2023																									
2024																									
2025																									
2026																									

Breed

Birth Year	Growth									Frame						Carcass						Selection Values			
	FCR			ADG			Scrotum			Height			Length			RTU Number	EMA		Fat		Marbling		Cracss Value	Growth Value	Prod Value
	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi		EBV	EBVi	EBV	EBVi	EBV	EBVi			
2017	4	-123	113	264	120	101	263	11.8	96	264	18	98	264	30	98	51	-0.06	102	1.13	107	-0.29	104	102	96	91
2018	3	-124	113	218	128	103	218	14.1	101	218	19	100	218	33	101	39	0.53	107	1.02	106	-0.27	104	107	98	92
2019	10	-124	113	147	137	104	147	13.5	100	147	20	102	147	35	102	28	0.60	108	1.85	113	-0.09	106	111	99	93
2020	7	-123	113	182	123	102	182	14.3	101	182	18	99	182	32	100	49	-0.11	102	0.85	105	-0.45	102	100	98	93
2021	3	-120	112	253	127	102	253	14.2	101	253	20	101	253	36	103	27	0.70	108	0.45	101	-0.28	104	111	99	96
2022				221	146	106	221	13.9	100	221	22	104	221	38	105	48	0.94	111	1.23	108	0.05	108	109	103	98
2023				241	133	104	241	13.2	99	241	19	100	241	34	102	94	-0.31	100	0.07	98	-0.43	103	99	100	95
2024				154	148	106	166	13.8	100	132	20	102	132	37	104								103	98	
2025																									
2026																									

Sires

Bull		Selection Values								Calf		Dam		Growth				Fertility				Frame			Carcass			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	EMA	Fat	Marbling	Birth Grwth Test	Wean Dgt/Calvs.
	Name																												
AJS 160057 MIRACLE	CN 130050 AJS 140011		119	90	95	76	128	94	99	93	117	90	106	95	93	124	98		100	120	124	85	98	102				63	55
			90	87	76	42	50	63	20	54	-0.40	10.3	0.20	4.7	23.5	51	103		13.6	-17.7	-11.6	14.2	18	34				15	27
CKX 150012 BONNIEBRAE JACK	TL 120057 TL 070025		82	105	65	104	117	79			83	105	95	65	102	96	99		84	95	120	97	81	88				41	31
			86	82	74	35	47	59			2.62	18.1	0.63	-4.6	31.5	21	106		6.2	2.8	-10.7	22.6	5	17				13	32
CKX 200025 DEAN XI	GMO 160023 CKX 170029		95	97	101	110	84	95			94	97	106	101	92	90	108		104	106	81	98	105	107				15	17
			79	77	53	18	36	46			1.59	14.0	0.16	6.7	23.3	16	158		15.9	-6.6	-1.2	23.2	23	41					
CKX 200027 NOLLIE IV	AJS 160057 CKX 140011		119	98	101	93	97	105			117	98	110	101	101	107	103		105	96	98	101	100	104				27	24
			82	78	55	25	38	49			-0.43	14.5	0.03	6.6	31.1	33	128		16.0	2.1	-5.2	25.3	19	37					
CKX 210017 NOLLIE XII	AJS 160057 CKX 170033		94	112	95	90	117	106			93	112	109	95	112	110	111		120	118	113	94	108	114				18	18
			80	77	51	28	31	46			1.71	21.6	0.07	4.7	40.1	37	170		23.4	-16.1	-8.9	21.0	25	50					
CKX 210023 DEAN XX	GMO 160023 CKX 140007		92	105	106	98	94	102			93	105	93	106	104	102	108		103	90	96	101	104	107				21	20
			80	78	54	16	32	45			1.75	18.0	0.72	8.0	33.8	28	155		15.3	6.4	-4.8	25.7	22	41					
CKX 220001 JUPITER	CN 180078 CKX 160015		105	102	103	101	103	107			107	102	83	103	110	99	107		98	96	105	105	100	103				27	26
			82	79	52	22	32	46			0.49	16.4	1.17	7.2	38.5	25	152		12.9	1.8	-6.9	28.7	19	36					
CKX 220012 DEAN XXIX	GMO 160023 CKX 150005		92	104	101	104	101	101			93	104	93	101	102	96	99		88	106	100	103	90	94				33	16
			85	78	55	24	34	48			1.74	17.3	0.73	6.4	31.8	22	106		7.9	-6.3	-5.7	27.4	12	24					
CN 170056 LEO	TL 070053 CN 110072		98	111	104	85	75	102	114	103	100	111	83	104	113	115	112	107	105	78	79	98	117	116	114	109	111	104	98
			95	94	85	42	64	71	52	67	1.08	20.8	1.16	7.5	41.4	41	175	-107	16.1	16.5	-0.8	23.7	32	52	1.41	1.35	0.26	29	30
CN 180007 FIRESTONE	TL 070053 CN 150061		99	103	109	100	93	106	104	104	100	103	89	109	104	100	110	109	76	102	91	107	105	108	106	108	98	90	72
			94	93	77	31	60	66	53	63	1.09	16.8	0.91	9.1	33.4	26	169	-112	2.2	-3.3	-3.7	29.9	22	42	0.39	1.23	-0.82	24	12
CN 180078 DANU	CN 150053 CN 110034		91	118	117	88	92	119	125	120	93	118	86	117	124	112	122		121	86	96	103	126	126	119	103	92	245	136
			94	93	67	28	48	59	36	54	1.71	24.5	1.04	11.4	50.4	39	230		23.8	9.8	-4.8	26.8	38	65	2.01	0.66	-1.31	1	7

Sires

Bull			Selection Values							Calf		Dam		Growth				Fertility				Frame		Carcass			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	EMA	Fat	Marbling	Birth Grwth Test	Wean Dgt/Calvs.
	Name																												
FC 200033		TZ 150098 TL 110017	104	104	106	88	112	109	102	106	104	104	94	106	109	112	113		111	115	108	129	102	119	119			76	63
FC200033			92	89	58	16	48	55	42	52	0.72	17.6	0.68	8.1	37.5	38	181		19.2	-13.7	-7.8	45.1	21	57	2.00			14	63
											94	89	65	58	68	16	77		84	62	33	63	85	83	6				
FC 210068		TZ 150098 TL 150003	108	79	92	117	105	84	76	79	107	79	107	92	78	83	82		78	127	98	114	69	76			105	67	
FC 210068			92	90	56	8	40	50	34	47	0.50	5.2	0.14	3.7	10.9	8	19		3.0	-23.1	-5.3	34.5	-4	2			5	67	
											95	90	58	56	65	8	61		68	50	29	59	69	66					
GMO 160023		SWM 120011 GMO 120006	97	103	102	115	95	106			96	103	106	102	100	85	101		88	95	96	103	96	100			76	64	
DEAN			90	87	77	30	52	61			91	87	79	77	76	30	24		27	67	38	70	26	25				25	47
JA 180004		NW 130055 JA 130036	112	106	94	94	90	104			109	106	121	94	106	106	111		116	102	89	101	109	110			109	94	
TOPNOTCH DRAAD			93	92	62	44	44	60			0.33	18.6	-0.44	4.4	35.5	32	172		21.5	-3.5	-3.1	25.7	26	45				4	6
											95	92	69	62	82	44	15		18	61	28	65	18	17					
JRE 100045		JRE 070008 JRE 070014	113	79	122	123	102	106	99	103	143	79	84	122	92	77	103		114	88	105	90	94	97	90	97	111	151	125
SPEEDY 2ND			96	96	88	59	70	78	45	71	-2.77	5.0	1.12	13.1	22.8	2	131		20.4	8.2	-7.0	17.8	14	28	-1.53	-0.13	0.31	42	93
											97	96	89	88	90	59	85		90	83	56	90	90	89	83	80	79		
RRM 130043		GA 100058 CN 030088	130	66	118	112	75	89	85	86	129	66	100	118	70	88	86	77	61	91	75	95	79	83	75	99	104	113	104
RRM130043			97	95	91	37	70	74	52	70	-1.51	-1.3	0.44	11.7	3.8	13	42	-32	-5.2	5.8	0.2	21.2	3	10	-3.30	0.16	-0.34	36	152
											97	95	91	91	88	37	86	13	90	81	60	87	91	90	13	9	9		
TL 100179		LP 030003 TL 010117	120	84	98	115	83	93	99	92	117	84	115	98	85	85	103		105	79	88	91	93	101			38	28	
TL100179			89	85	82	42	58	66	21	57	-0.44	7.6	-0.18	5.6	17.3	10	129		16.0	15.9	-2.9	18.3	14	34				16	58
											89	85	83	82	74	42	38		42	68	47	76	43	41					
TL 120057		TL 040099 TL 050047	96	82	62	114	114	62			96	82	103	62	72	86	88		74	111	112	92	66	75			38	26	
TL 120057			86	82	80	40	53	63			1.44	6.5	0.32	-5.6	6.0	11	48		1.2	-10.1	-8.7	19.1	-6	1				16	53
											86	82	80	80	73	40	30		35	63	43	70	35	34					
TL 140151		CN 110002 TL 040049	94	101	117	119	91	113			94	101	99	117	101	81	116		122	106	88	102	114	113			23	17	
TL140151			84	73	75	35	48	57			1.59	16.1	0.47	11.6	30.8	6	197		24.1	-6.7	-2.9	26.2	30	48				9	35
											85	73	75	75	60	35	34		37	58	38	66	35	34					
TL 150068		CN 120034 TL 080172	86	110	97	106	110	105	104	103	86	110	106	97	107	94	109		118	92	113	94	103	109			13	6	
TL15068			83	79	68	29	47	56	24	50	2.31	20.4	0.20	5.3	35.9	19	161		22.5	5.1	-8.8	20.4	21	43				4	11
											84	79	66	68	63	29	44		47	57	37	65	48	47					

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ID Number Name																														
CKX 240004 97252084 MUFASA 1	3	FC 200033 CKX 200016	94 71	106 56	104 42	105 8	108 30	109 35	100 21	106 32		95 1.58 73	98 0.51 47	95 21 8	106 18.6 56	104 7.6 42	111 99 35	107 35.9 45	109 162 38			103 15.2 42	106 -6.1 40	107 -7.4 19	124 41.7 43	102 20 42	111 46 41			
CKX 240024 97397475 DRIFTER 10	2	CKX 210023 CKX 170037	81 70	116 65	107 44	104 14	105 26	114 37				82 2.69 72	94 0.69 46	96 21 14	116 23.5 65	107 8.5 44	120 121 41	115 43.2 46	117 203 11			113 20.0 15	104 -5.0 34	104 -6.7 17	109 31.4 41	114 30 15	116 52 14			
CKX 240025 97403992 DRIFTER 11	2	CKX 210023 CKX 200017	94 69	110 65	103 41	92 15	104 22	107 36				95 1.58 71	94 0.70 41	108 34 15	110 20.4 65	103 7.1 41	107 90 40	111 39.1 46				110 18.4 8	96 1.4 30	106 -7.1 14	109 31.5 37	107 24 8	111 46 6			
CKX 240035 97528061 MAX 4	5	CKX 210017 CKX 200005	96 68	113 64	106 38	96 11	103 16	115 32				95 1.50 71	106 0.19 37	104 30 11	113 22.0 64	106 8.2 38	113 106 38	113 41.5 42					100 -1.3 26	104 -6.7 7	107 29.8 34					
CKX 250009 99047664 ROCK 1	2	CKX 220012 CKX 200021	101 71	96 66	96 41	90 13	107 22	92 35				100 1.07 73	102 0.37 41	110 36 13	96 13.5 66	96 5.0 41	91 54 40	95 25.7 48	98 103 5			92 9.9 10	106 -6.2 30	106 -7.1 14	101 25.6 35	92 13 10	95 26 8			
CKX 250011 99062564 LINC 1	3	CKX 220001 CKX 230002	111 70	99 67	110 41	90 12	94 26	106 37				112 0.00 73	84 1.11 40	110 36 12	99 14.8 67	110 9.3 41	103 81 40	106 34.7 48	109 162 26			103 15.0 29	100 -1.6 36	94 -4.2 15	105 28.7 38	107 24 30	107 42 28			
CKX 250012 99066045 SCOOPY 1	2	JA 180004 CKX 200026	108 73	100 70	94 47	80 26	100 30	93 43				106 0.53 75	113 -0.09 48	120 47 26	100 15.3 70	94 4.2 47	88 48 48	99 29.1 54	108 157 11			111 19.1 14	108 -8.3 41	98 -5.3 19	101 25.5 43	107 24 14	108 42 13			
CKX 250015 99080830 LINC 2	2	CKX 220001 CKX 220015	107 69	100 66	95 38	106 16	94 22	101 36				106 0.59 72	104 0.26 38	94 19 16	100 15.6 66	95 4.7 38	99 73 40	102 31.9 46	104 134 16			98 12.5 20	88 8.6 33	98 -5.2 12	103 26.8 36	99 18 20	102 34 19			
CKX 250018 99087330 SCOOPY 2	2	JA 180004 CKX 170037	98 74	110 56	106 48	109 27	102 30	115 40				98 1.30 76	105 0.21 52	91 17 27	110 20.2 56	106 8.0 48	116 111 44	111 39.0 49	113 180 13			111 19.2 16	113 -11.7 41	99 -5.5 19	104 27.8 44	110 26 16	110 44 15			
CKX 250020 99087355 LINC 3	3	CKX 220001 CKX 220020	101 70	99 66	99 39	117 15	103 24	103 36				102 0.94 72	89 0.89 40	83 8 15	99 14.7 66	99 5.9 39	105 87 40	102 31.5 46	100 116 15			90 9.1 19	94 3.7 34	105 -6.9 14	107 29.6 37	93 13 19	96 27 17			
CKX 250021 99093114 LINC 4	3	CKX 220001 CKX 230003	105 68	100 65	102 38	95 12	104 22	103 34				105 0.66 71	93 0.75 37	105 31 12	100 15.5 65	102 6.9 38	100 75 38	104 33.2 44	108 155 16			105 16.3 20	110 -9.3 33	101 -6.1 11	103 26.7 35	104 22 20	107 40 19			
CKX 250023 99098931 SCOOPY 3	2	JA 180004 CKX 160024	110 74	99 71	101 50	98 28	95 33	103 45				109 0.33 76	111 -0.02 53	102 27 28	99 14.9 71	101 6.6 50	100 74 50	100 29.7 56	105 138 26			106 16.4 28	103 -3.9 43	94 -4.3 23	106 28.8 47	99 18 29	104 37 28			

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ID Number Name																																
CKX 250024	5	CKX 220001	98	104	99	101	98	102				98	95	99	104	99	103		106			100	94	99	111	100	104					
99102519		CKX 190008	71	67	43	10	19	34				1.23	0.63	24	17.5	6.0	82		34.7			13.5	3.6	-5.6	32.6	19	37					
LINC 5												73	43	10	67	43	40		48			8	31	7	34	9	6					
CKX 250027	2	JA 180004	104	94	92	100	89	88				103	104	100	94	92	90		93	103		100	99	88	103	95	98					
99116964		CKX 180022	73	70	47	24	28	42				0.79	0.26	26	12.6	3.8	52		24.0	127		13.7	-1.0	-2.8	26.7	15	29					
SCOOPY 4												75	49	24	70	47	47		52	7		10	39	18	43	10	9					
CKX 250030	6	CKX 220012	90	102	93	101	108	94				91	93	99	102	93	96		100				100	109	104							
99138539		CKX 180003	71	65	44	9	20	34				1.89	0.75	25	16.2	3.9	66		30.1			-1.7	-7.9	27.6								
ROCK 2												73	43	9	65	44	39		46				31	10	35							
CKX 250031	2	CKX 220001	108	98	101	108	103	105				108	99	92	98	101	102		101	108		101	89	107	107	102	105					
99138547		CKX 210028	70	67	41	14	24	37				0.41	0.49	18	14.3	6.5	80		30.6	155		14.2	7.3	-7.4	29.8	21	39					
LINC 6												73	40	14	67	41	41		49	14		18	33	14	37	19	17					
CKX 250032	6	CKX 220012	101	99	97		100					101	97		99	97	97		98				102	99	102							
99145948		CKX 220036	70	65	38		17					0.99	0.58		15.0	5.4	68		28.5			-3.4	-5.6	26.1								
ROCK 3												73	37		65	38	36		46				28	6	32							
CKX 250034	9	CKX 220012	100	88	90	117	107	88				101	88	83	88	90	90		89				109	105	103							
99164907		CKX 160015	71	65	46	11	19	34				1.00	0.93	8	9.7	3.3	52		20.3			-8.5	-6.9	27.1								
ROCK 4												73	45	11	65	46	41		47				30	8	36							
CKX 250035	9	CKX 220012	103	90	95	110	97	90				103	97	90	90	95	93		87				107	95	109							
99171431		CKX 160023	72	66	47	11	20	35				0.79	0.56	15	10.4	4.7	58		19.0			-6.9	-4.5	31.1								
ROCK 5												74	46	11	66	47	41		48				31	8	35							
CKX 250036	2	CKX 220012	101	106	104	92	108	108				100	100	108	106	104	105		107	108		106	110	106	103	104	107					
99196487		CKX 210030	70	64	40	13	22	35				1.06	0.44	34	18.5	7.4	86		36.0	154		16.5	-9.3	-7.3	27.3	22	41					
ROCK 6												73	39	13	64	40	39		46	5		10	30	13	34	10	8					
CKX 250039	2	CKX 220001	106	92	109	100	96	100				108	80	100	92	109	101		98	103		97	94	98	102	95	98					
99261679		CKX 140007	71	66	46	14	26	38				0.41	1.29	26	11.5	9.2	78		28.0	127		12.1	3.5	-5.3	26.4	15	30					
LINC 7												73	46	14	66	46	42		48	19		22	35	18	41	23	22					
CKX 250041	3	CKX 220001	99	104	97	96	103	100				99	96	104	104	97	99		105	108		105	99	104	104	104	107					
99280539		CKX 210024	70	66	40	15	23	36				1.17	0.62	30	17.2	5.2	72		34.6	155		16.3	-0.5	-6.7	27.5	22	41					
LINC 7												73	39	15	66	40	40		47	15		19	33	13	36	20	18					
CKX 250042	2	CKX 220001	90	105	98	106	93	98				92	89	94	105	98	104		105	102		92	88	96	105	95	97					
99286676		CKX 200013	71	64	41	19	24	37				1.85	0.89	19	17.7	5.5	85		34.6	122		10.0	8.1	-4.8	28.4	15	29					
LINC 8												73	42	19	64	41	41		47	15		18	33	15	37	19	17					
CKX 250043	5	CKX 220001	99	101	96	108	101	101				100	93	92	101	96	101		104			91	99	101	106	93	97					
99321374		CKX 210014	69	64	40	15	20	34				1.10	0.72	18	16.1	5.0	78		32.9			9.6	-0.8	-6.1	29.4	14	28					
LINC 9												72	39	15	64	40	40		46				9	31	8	34	10	7				

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ID Number Name																														
CKX 250045 99345712 LINC 10	5	CKX 220001 CKX 210011	102 71	98 65	97 40	110 16	104 23	101 36				103 0.79 73	87 0.98 41	90 16 16	98 14.6 65	97 5.4 40	101 77 40		103 32.3 48	103 131 20		99 13.4 24	95 2.4 34	106 -7.3 12	105 28.3 38	94 14 24	98 29 23			
CKX 250046 99345720 LINC 11	2	CKX 220001 CKX 200005	99 69	107 64	108 40	106 16	96 24	112 36				100 1.13 72	93 0.72 39	94 20 16	107 18.7 64	108 8.7 40	114 106 40		110 38.4 47	112 177 14		107 17.1 18	90 6.9 33	99 -5.6 14	107 30.1 36	107 24 18	110 45 17			
CKX 250049 99425431 LINC 14	2	CKX 220001 CKX 200009	103 70	100 66	103 42	102 19	93 25	102 38				104 0.77 72	89 0.91 40	98 24 19	100 15.3 66	103 7.2 42	103 82 42		103 32.8 47	103 131 14		94 11.0 18	87 8.8 34	96 -4.9 16	105 28.7 37	96 16 19	100 32 18			
CKX 250051 99509143 LINC 15	5	CKX 220001 CKX 200035	101 68	101 65	99 42	98 12	104 20	100 34				101 0.97 70	92 0.79 41	102 28 12	101 15.9 65	99 5.9 42	99 73 40		104 33.0 46			99 13.2 10	104 -4.6 31	103 -6.5 10	105 28.4 34	100 19 10	104 37 8			
CKX 250052 99575060 LINC 16	2	CKX 220001 CKX 200034	118 68	77 65	106 42	116 19	97 25	94 38				118 -0.53 70	91 0.82 41	84 9 19	77 4.2 65	106 8.0 42	93 59 42		82 14.4 44	92 70 19		79 3.4 23	106 -6.5 34	95 -4.6 16	109 30.9 37	82 5 23	86 14 22			
CKX 260004 6020552177 DIAMOND		CKX 230032	122 65	84 33	91 23	103 9	104 16	90 21				121 -0.82 68	92 0.80 27	97 22 9	84 7.4 33	91 3.4 23	82 34 22		91 22.0 26	84 28 6		92 10.1 8	106 -6.6 24	102 -6.3 9	73 5.8 21	85 8 8	79 6 8			
CKX 260008 6020601420 ROCK 7	3	CKX 220012 CKX 230038	90 69	107 49	101 33	106 8	96 18	104 27				91 1.91 72	97 0.58 35	94 20 8	107 19.1 49	101 6.5 33	109 95 30		106 34.9 38				103 -3.5 28	95 -4.6 9	103 26.9 30					
CKX 260011 6020603541 DIAMOND 2	3	FC 210068 CKX 230043	96 71	97 55	93 35		105 23					96 1.47 74	102 0.34 38		97 13.9 55	93 4.1 35	97 68 31		95 25.6 42	92 73 28		88 8.1 32	119 -16.8 33	100 -5.8 13	109 31.2 35	83 6 33	89 18 32			
CKX 260012 6020614670 ROCK 8	9	CKX 220012 CKX 230014	108 69	97 49	102 28							107 0.47 72	100 0.42 32		97 14.0 49	102 6.9 28			98 28.2 34				90 6.3 22		105 28.5 23					
CKX 260013 6020620354 DIAMOND 3	4	FC 210068 CKX 230042	89 71	95 55	93 36	114 5	98 24	88 31				90 2.02 74	99 0.50 39	86 11 5	95 12.8 55	93 4.0 36	96 66 32		91 22.0 41	89 55 29		83 5.6 33	115 -13.7 35	94 -4.3 14	106 29.1 36	78 2 34	83 11 32			
CKX 260015 6020627276 ROCK 9	3	CKX 220012 CKX 230041	97 69	105 50	103 33	105 6	99 17	107 27				97 1.34 72	98 0.53 35	95 20 6	105 18.0 50	103 7.2 33	109 95 30		105 34.3 39				102 -2.9 28	98 -5.4 6	102 26.2 29					
CKX 260016 6020646250 ROCK 10	4	CKX 220012 CKX 230027	112 69	96 50	104 33		87 17					111 0.15 72	103 0.30 36		96 13.4 50	104 7.3 33	101 76 29		97 27.1 37				93 3.9 28	87 -2.7 6	99 24.2 30					

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CKX 260018 6020725997 ROCK 11	2	CKX 220012 CKX 200021	109 71	95 52	98 41	87 13	108 22	95 32				108 0.40 73	103 0.30 41	113 39 13	95 12.7 52	98 5.7 41	90 53 35		95 25.9 42	100 115 5		95 11.4 10	104 -4.7 30	107 -7.5 14	98 23.6 34	95 15 10	98 30 8			
CKX 260020 6020728892 ROCK 12	8	CKX 220012 CKX 200026	106 70	94 51	101 42	87 7	106 17	94 29				106 0.56 72	97 0.56 41	113 39 7	94 12.3 51	101 6.6 42	92 56 33		94 24.7 38				111 -10.3 27	103 -6.5 7	100 25.2 31					
CKX 260023 6020752884 ROCK 13	3	CKX 220012 CKX 230034	91 69	109 50	99 33	102 9	102 19	104 28				91 1.86 72	96 0.62 36	98 23 9	109 19.9 50	99 5.9 33	107 91 31		107 36.3 37				97 1.2 29	103 -6.5 9	102 26.1 31					
CKX 260025 6020794217 BOND 1	3	CN 180007 CKX 190008	100 73	98 60	102 53	104 16	92 34	98 41	101 22	97 37	103 20	100 1.08 75	99 0.47 54	96 21 16	98 14.3 60	102 6.9 53	102 79 43		96 26.6 51	106 146 40		84 6.0 43	98 0.3 45	92 -3.9 23	110 32.1 44	99 18 43	102 35 42	104 0.10 22	105 0.87 17	103 -0.43 16
CKX260026 6020823602 BOND 2	6	CN 180007 CKX 140011	116 75	92 61	105 55	108 16	83 36	101 42	100 22	99 38	104 16	114 -0.18 76	104 0.29 57	92 17 16	92 11.5 61	105 7.9 55	101 78 44		93 24.1 52	106 147 41		89 8.5 44	94 3.1 47	83 -1.6 25	104 28.0 48	100 19 45	104 37 44	104 0.12 20	105 0.87 13	102 -0.48 13
CKX 260031 6020865496 BOND 3	3	CN 180007 CKX 200016	92 73	105 58	106 49	111 14	98 34	108 39	101 22	105 36	105 20	93 1.74 75	96 0.63 53	89 15 14	105 18.1 58	106 8.1 49	114 106 40		104 33.7 50	108 156 40		85 6.7 43	99 -0.9 45	98 -5.4 24	107 29.6 44	103 21 44	105 38 43	105 0.21 22	104 0.82 17	102 -0.48 17

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Animal				Selection Values									Birth		Wean				Growth			Fertility				Frame		Carcass			
Index EBV Acc	% Inbreeding	Sire ID Dam ID	Name	Calv. Ease V	Calv Growth V	Milk V	Maint. V	Fertility V	Cow Value	Growth Value	Prod. Value	Carcass 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	EMA	Fat	Marbling	
ID Number Name																															
CKX 140011	2	TL 100179	79798948	TL 060011	TL 060011	TL 060011	TL 060011	TL 060011	TL 060011	TL 060011	TL 060011	TL 060011	TL 060011	TL 060011	TL 060011	TL 060011	TL 060011	TL 060011	TL 060011	TL 060011	TL 060011	TL 060011	TL 060011	TL 060011	TL 060011	TL 060011	TL 060011	TL 060011	TL 060011	TL 060011	TL 060011
BONNIEBRAE TYLA																															
CKX 150005	2	TL 120057	81472136	TL 070015	TL 070015	TL 070015	TL 070015	TL 070015	TL 070015	TL 070015	TL 070015	TL 070015	TL 070015	TL 070015	TL 070015	TL 070015	TL 070015	TL 070015	TL 070015	TL 070015	TL 070015	TL 070015	TL 070015	TL 070015	TL 070015	TL 070015	TL 070015	TL 070015	TL 070015	TL 070015	
BONNIEBRAE LADYBIRD																															
CKX 160024	1	RRM 130043	85329258	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	
BONNIEBRAE CLARIDA																															
CKX 170019	2	TL 140151	85751873	CKX 140006	CKX 140006	CKX 140006	CKX 140006	CKX 140006	CKX 140006	CKX 140006	CKX 140006	CKX 140006	CKX 140006	CKX 140006	CKX 140006	CKX 140006	CKX 140006	CKX 140006	CKX 140006	CKX 140006	CKX 140006	CKX 140006	CKX 140006	CKX 140006	CKX 140006	CKX 140006	CKX 140006	CKX 140006	CKX 140006	CKX 140006	
BONNIEBRAE JENNY III																															
CKX 170024	2	TL 140151	85810869	CKX 120018	CKX 120018	CKX 120018	CKX 120018	CKX 120018	CKX 120018	CKX 120018	CKX 120018	CKX 120018	CKX 120018	CKX 120018	CKX 120018	CKX 120018	CKX 120018	CKX 120018	CKX 120018	CKX 120018	CKX 120018	CKX 120018	CKX 120018	CKX 120018	CKX 120018	CKX 120018	CKX 120018	CKX 120018	CKX 120018	CKX 120018	
BONNIEBRAE TAMMY II																															
CKX 170029	3	TL 140151	85950392	TL 060011	TL 060011	TL 060011	TL 060011	TL 060011	TL 060011	TL 060011	TL 060011	TL 060011	TL 060011	TL 060011	TL 060011	TL 060011	TL 060011	TL 060011	TL 060011	TL 060011	TL 060011	TL 060011	TL 060011	TL 060011	TL 060011	TL 060011	TL 060011	TL 060011	TL 060011	TL 060011	
BONNIEBRAE LUCY																															
CKX 170033	1	TL 140151	86178332	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	
BONNIEBRAE ANGIE																															
CKX 180003	3	CKX 150012	87111357	CKX 130012	CKX 130012	CKX 130012	CKX 130012	CKX 130012	CKX 130012	CKX 130012	CKX 130012	CKX 130012	CKX 130012	CKX 130012	CKX 130012	CKX 130012	CKX 130012	CKX 130012	CKX 130012	CKX 130012	CKX 130012	CKX 130012	CKX 130012	CKX 130012	CKX 130012	CKX 130012	CKX 130012	CKX 130012	CKX 130012	CKX 130012	
BONNIEBRAE JULY II																															
CKX 180022	2	CKX 150012	87413498	CKX 130005	CKX 130005	CKX 130005	CKX 130005	CKX 130005	CKX 130005	CKX 130005	CKX 130005	CKX 130005	CKX 130005	CKX 130005	CKX 130005	CKX 130005	CKX 130005	CKX 130005	CKX 130005	CKX 130005	CKX 130005	CKX 130005	CKX 130005	CKX 130005	CKX 130005	CKX 130005	CKX 130005	CKX 130005	CKX 130005	CKX 130005	
BONNIEBRAE JUNEBUG																															
CKX 180030	2	CKX 150012	87613741	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	TZ 070180	
BONNIEBRAE MISTY																															
CKX 180035	1	TL 150068	87748380	JA 100012	JA 100012	JA 100012	JA 100012	JA 100012	JA 100012	JA 100012	JA 100012	JA 100012	JA 100012	JA 100012	JA 100012	JA 100012	JA 100012	JA 100012	JA 100012	JA 100012	JA 100012	JA 100012	JA 100012	JA 100012	JA 100012	JA 100012	JA 100012	JA 100012	JA 100012	JA 100012	
BONNIEBRAE SUNNY																															
CKX 190008	2	GMO 160023	88812227	CKX 160023	CKX 160023	CKX 160023	CKX 160023	CKX 160023	CKX 160023	CKX 160023	CKX 160023	CKX 160023	CKX 160023	CKX 160023	CKX 160023	CKX 160023	CKX 160023	CKX 160023	CKX 160023	CKX 160023	CKX 160023	CKX 160023	CKX 160023	CKX 160023	CKX 160023	CKX 160023	CKX 160023	CKX 160023	CKX 160023	CKX 160023	
AZALIA																															

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ID Number Name																														
CKX 190019 88852454 LYNN	3	GMO 160023 CKX 150017	84 78	104 72	99 72	122 24	96 40	101 51				86 2.34 79	85 1.09 70	78 3 24	104 17.6 72	99 6.0 72	112 103 56	102 31.3 53	98 102 10			88 7.9 14	98 0.2 54	96 -4.9 27	105 28.8 52	88 10 13	93 23 12			
CKX 200005 90575929 BETTY II	3	GMO 160023 CKX 170014	108 75	99 72	119 64	117 29	89 40	117 50				108 0.42 76	102 0.36 63	83 8 29	99 14.7 72	119 12.1 64	121 124 55	100 30.1 60	110 167 9			107 16.9 13	86 10.0 53	92 -3.8 28	107 29.8 50	107 24 12	109 44 11			
CKX 200013 90586876 JACKET	2	GMO 160023 CKX 170012	79 78	108 73	94 68	110 35	84 42	93 53				80 2.84 79	96 0.60 70	90 16 35	108 19.4 73	94 4.4 68	106 88 59	103 32.8 60	99 106 11			90 8.9 14	79 15.8 55	89 -3.1 30	102 26.4 51	93 13 14	95 25 13			
CKX 200016 90594037 DESMARI II	2	GMO 160023 CKX 170037	93 78	103 70	105 60	122 22	104 42	110 49				93 1.75 79	102 0.36 70	78 3 22	103 17.0 70	105 7.9 60	116 112 51	101 31.1 60	106 144 15			95 11.2 19	96 1.6 54	105 -7.0 31	106 29.3 52	101 20 18	102 34 17			
CKX 200017 90606385 MEL II	1	AJS 160057 CKX 160023	114 77	90 74	102 70	97 43	113 42	100 55				114 -0.14 78	94 0.69 68	103 28 43	90 10.5 74	102 6.9 70	93 60 62	93 23.9 62	102 123 16			100 13.8 20	107 -7.3 55	112 -8.6 29	104 27.7 50	96 16 20	100 32 19			
CKX 200021 90623463 MEL V	2	AJS 160057 CKX 130016	115 77	93 73	92 67	71 33	114 44	88 53				112 0.01 78	114 -0.14 69	129 56 33	93 11.7 73	92 3.6 67	79 27 58	94 24.4 62	102 123 19			102 14.9 23	102 -3.2 54	114 -9.2 33	93 19.9 51	100 19 22	103 35 21			
CKX 200026 90656547 MEL VIII	1	AJS 160057 TL 070015	117 77	86 73	100 71	71 34	110 46	87 55				116 -0.30 78	101 0.39 69	129 56 34	86 8.5 73	100 6.3 71	81 30 59	88 19.2 58	101 118 24			100 13.6 27	116 -14.4 56	106 -7.3 36	97 23.1 54	100 19 28	100 33 27			
CKX 200034 90897711 CLARIDA II	1	GMO 160023 CKX 160024	103 78	97 65	100 70	110 36	96 44	100 53				102 0.93 79	106 0.18 69	90 15 36	97 13.9 65	100 6.2 70	102 79 57	96 26.5 52	95 89 27			86 6.8 30	106 -6.0 57	94 -4.3 32	110 31.9 52	87 9 30	93 24 29			
CKX 200040 91006692 LADYBUG	4	GMO 160023 CKX 130027	107 76	96 73	89 70	126 35	106 42	102 54				106 0.60 77	111 -0.03 69	74 -2 35	96 13.7 73	89 2.9 70	99 74 59	96 26.1 55	99 106 12			89 8.5 16	110 -9.3 55	104 -6.6 29	101 25.7 52	91 12 15	95 26 14			
CKX 210011 92237353 SPEEDY VIII	1	JRE 100045 CKX 180003	110 77	93 73	97 63	117 36	106 46	102 54	96 23	99 48	95 38	110 0.17 78	91 0.82 66	83 8 36	93 12.0 73	97 5.4 63	99 73 57	97 27.4 64	101 118 43			103 15.0 45	93 3.9 59	109 -7.8 34	102 26.2 57	90 11 45	94 25 45	93 -1.16 39	100 0.33 37	109 0.13 36
CKX 210016 92237403 SPEEDY X	1	JRE 100045 CKX 180034	107 77	95 72	110 61	106 29	112 46	109 52	95 23	105 46	94 38	109 0.31 78	75 1.48 65	94 19 29	95 13.0 72	110 9.5 61	107 91 54	102 31.2 62	100 115 43			101 14.3 45	82 12.9 59	118 -10.1 33	99 24.3 57	89 11 45	93 24 45	93 -1.12 39	100 0.22 37	109 0.09 37
CKX 210024 92271220 MEL XVI	2	AJS 160057 CKX 170024	96 76	100 72	94 65	98 27	102 39	93 50				95 1.52 77	106 0.20 64	102 28 27	100 15.5 72	94 4.2 65	95 63 55	97 27.4 60	104 132 16			105 16.3 20	103 -4.1 53	102 -6.2 25	100 25.0 49	102 20 20	104 37 19			

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ID Number Name																													
CKX 210028 92287986 AVO IV	4	GMO 160023 CKX 130016	107 77	96 73	100 66	120 24	103 40	105 50				105 0.63 78	113 -0.12 65	80 5 24	96 13.5 73	100 6.1 66	105 86 54	94 25.0 62	104 133 9		97 12.4 14	84 11.7 54	108 -7.6 26	106 29.4 51	99 18 12	102 35 11			
CKX 210030 92288786 MEL XX	2	AJS 160057 CKX 170014	123 76	93 72	109 63	90 31	114 40	109 51				121 -0.74 77	106 0.20 62	110 37 31	93 11.9 72	109 9.2 63	98 71 55	98 27.9 60	109 160 17		113 19.8 21	116 -14.4 54	111 -8.4 25	100 24.9 48	108 25 21	111 45 19			
CKX 220006 94034394 LOUISE II	1	CN 180078 CKX 190023	108 76	105 72	100 57	115 25	100 40	113 49	105 20	110 43	105 8	107 0.51 77	106 0.19 59	85 10 25	105 18.1 72	100 6.1 57	111 99 51	108 37.0 48	106 146 34		102 14.6 40	87 9.3 55	104 -6.8 24	105 28.3 49	106 23 40	107 41 39	107 0.46 11		
CKX 220011 93957652 NOLLIE XX1	3	GMO 160023 CKX 170018	117 75	93 71	107 60	124 22	91 36	111 47				115 -0.21 76	111 -0.02 59	76 1 22	93 12.1 71	107 8.6 60	111 101 51	95 25.9 52	102 126 9		94 10.9 13	79 15.7 53	97 -5.0 20	101 25.4 47	96 16 13	98 30 11			
CKX 220020 94019304 LADY GIRL	4	GMO 160023 CKX 130027	90 76	102 72	90 62	130 27	103 40	100 50				90 1.96 77	99 0.49 65	70 -5 27	102 16.3 72	90 3.2 62	106 90 54	99 29.1 60	96 94 12		86 7.1 16	89 7.7 55	107 -7.4 26	104 27.8 51	89 10 15	92 22 14			
CKX 220023 94022035 AZILLIA	2	GMO 160023 CKX 160023	96 75	93 71	94 61	115 33	90 38	89 50				96 1.46 76	102 0.37 60	85 11 33	93 12.0 71	94 4.3 61	96 65 55	88 19.7 60	96 94 10		84 6.2 14	94 3.7 54	91 -3.6 22	110 31.6 48	87 9 13	90 19 12			
CKX 220024 94028149 TAYLOR	3	GMO 160023 CKX 170003	117 75	85 69	98 58	120 26	70 38	91 47				115 -0.23 76	114 -0.14 62	80 5 26	85 7.9 69	98 5.6 58	94 62 51	83 15.5 56			96 1.8 53	68 1.9 23	103 26.9 47						
CKX 220031 94093234 MARISA	4	GMO 160023 CKX 130029	105 76	98 69	94 59	106 22	90 40	95 48				102 0.88 77	120 -0.41 62	94 19 22	98 14.4 69	94 4.2 59	96 65 50	94 24.7 46	98 105 10		90 8.7 15	90 6.9 54	92 -3.9 25	104 27.6 50	92 13 14	95 26 13			
CKX 220033 94173820 TYLER	2	AJS 160057 CKX 180005	108 73	96 67	92 57	102 29	108 36	96 47				107 0.50 75	102 0.34 55	98 24 29	96 13.4 67	92 3.7 57	91 55 51	97 26.9 57	99 109 16		96 12.0 20	98 0.3 53	110 -8.1 20	96 21.8 45	93 14 20	98 29 19			
CKX 230001 94623808 MEL XXVII	2	AJS 160057 CKX 170014	122 75	78 69	106 60	92 34	115 40	93 50				139 -2.40 76	123 -0.52 63	108 34 34	78 4.7 69	106 8.1 60	85 42 54	84 15.9 52	103 129 17		105 15.9 21	122 -19.1 54	111 -8.3 25	99 24.3 46	101 20 21	103 36 19			
CKX 230002 94634060 SUZIE	8	CN 170056 TL 070015	100 76	101 73	109 65	85 20	85 45	98 51	103 24	98 46		102 0.94 77	86 1.04 64	115 42 20	101 15.8 73	109 9.0 65	102 79 53	102 31.9 60	106 145 44		100 13.8 47	106 -6.0 61	82 -1.4 29	102 26.4 55	107 24 48	106 39 47			
CKX 230012 95548186 DEEDEE1	3	CKX 200027 CKX 200009	113 70	94 66	103 41	106 16	88 30	101 39				112 0.02 72	103 0.33 49	94 19 16	94 12.4 66	103 7.1 41	100 75 41	96 26.2 49			88 8.1 8	86 10.1 46	91 -3.6 14	107 29.9 38	88 10 9	92 21 7			

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ID Number Name																														
CKX 230013 95548194 DEEDEE2	3	CKX 200027 CKX 200034	97 71	110 65	102 42	101 17	92 31	108 39				97 1.36 73	101 0.38 50	99 25 17	110 20.5 65	102 6.9 42	110 97 41	111 39.1 47	100 112 13		96 11.8 16	89 7.2 47	94 -4.3 15	110 31.9 38	94 15 16	100 31 15				
CKX 230014 95548202 DEEDEE3	3	CKX 200027 CKX 200013	105 71	103 66	97 41	104 16	84 30	100 39				103 0.78 73	109 0.07 51	96 22 16	103 16.7 66	97 5.3 41	101 78 41	102 31.9 48			94 10.9 7	75 18.8 46	90 -3.3 13	107 29.6 37	93 14 7	96 27 5				
CKX 230023 95622874 DEEDEE5	5	CKX 200027 CKX 200041	109 70	99 65	103 38		101 25					108 0.34 72	102 0.37 48		99 14.8 65	103 7.1 38	104 84 35	100 30.2 46				104 -4.9 45	100 -5.7 5	104 27.7 36						
CKX 230026 95638888 DEEDEE6	2	CKX 200027 CKX 160024	120 73	96 64	107 47	100 19	101 35	110 42				118 -0.50 74	108 0.11 55	100 26 19	96 13.4 64	107 8.4 47	102 80 43	100 29.8 50	99 109 26		98 12.8 29	103 -3.6 50	100 -5.7 20	105 28.2 44	92 13 29	100 32 28				
CKX 230027 95643458 DEEDEE7	10	CKX 200027 CKX 130023	127 73	91 65	105 45	100 8	72 27	100 37				124 -1.06 74	114 -0.13 55	100 26 8	91 10.8 65	105 7.7 45	97 68 39	93 24.2 48				81 14.1 47	75 0.3 7	95 21.0 40						
CKX 230029 95661385 DEEDEE7	6	CKX 200027 CKX 160023	110 72	91 66	91 47	106 20	93 32	91 41				109 0.32 73	109 0.07 54	94 19 20	91 11.2 66	91 3.5 47	89 50 44	90 21.0 50				98 0.0 49	93 -4.2 15	107 29.7 40						
CKX 230030 95670774 DEEDEE8	2	CKX 200027 CKX 180030	106 71	105 66	98 45	101 19	110 32	109 41				106 0.59 73	102 0.38 53	99 25 19	105 18.1 66	98 5.5 45	103 82 43	108 36.9 50	101 120 16		103 14.9 20	107 -7.2 48	109 -7.9 17	104 28.0 41	92 13 20	99 31 19				
CKX 230032 95693586 DEEDEE8	2	CKX 200027 CKX 160015	116 72	93 66	91 46	107 19	108 34	98 42				115 -0.21 73	99 0.47 54	93 18 19	93 11.9 66	91 3.6 46	91 54 44	97 27.4 51	95 86 13		86 7.1 16	106 -6.3 49	107 -7.4 18	101 25.9 42	83 6 16	88 17 15				
CKX 230034 95732426 DEEDEE9	2	CKX 200027 CKX 180035	96 73	110 66	99 45	101 19	102 33	108 41				96 1.42 74	98 0.52 55	99 25 19	110 20.3 66	99 6.0 45	108 92 43	110 38.3 48	103 127 13		105 16.1 16	88 8.7 48	106 -7.3 18	100 24.8 42	98 17 16	102 34 15				
CKX 230036 95762845 DUSTY 3	3	CKX 200025 CKX 180003	88 71	104 65	88 43	105 10	100 32	92 39				88 2.19 73	107 0.15 52	95 20 10	104 17.4 65	88 2.5 43	96 66 39	99 29.4 46				98 12.9 8	101 -2.2 49	100 -5.8 15	101 25.4 39	96 16 8	100 32 6			
CKX 230037 95762852 DUSTY 4	3	CKX 200025 CKX 180001	102 71	96 65	93 43	111 8	96 32	95 38				101 0.97 72	107 0.13 53	89 14 8	96 13.4 65	93 4.1 43	96 66 39	94 24.4 43				93 10.4 8	96 2.0 49	97 -5.0 15	100 24.6 40	92 13 7	96 27 5			
CKX 230038 95768297 DEEDEE9	3	CKX 200027 CKX 170024	100 71	104 66	105 45	108 16	91 31	107 40				100 1.11 73	99 0.46 53	92 18 16	104 17.2 66	105 7.8 45	110 98 42	104 33.6 55				106 16.8 8	99 -0.8 47	90 -3.5 15	102 26.4 40	102 20 8	104 37 6			

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Animal			Selection Values										Birth		Wean				Growth			Fertility				Frame		Carcass		
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	Carcass 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	EMA	Fat	Marbling
CKX 230039 95818647 DUSTY 5		9	CKX 200025 CKX 170037	71 71	119 64	105 43	111 9	104 27	113 36				72 3.63 73	95 0.66 53	89 15 9	119 25.1 64	105 7.9 43	124 130 39	115 42.8 52				120 -17.3 48	99 -5.5 6	102 26.4 37					
CKX 230041 95876520 DEEDEE10		6	CKX 200027 CKX 170019	95 71	111 66	103 45	106 14	97 28	112 38				95 1.56 73	103 0.31 53	94 19 14	111 21.1 66	103 7.1 45	114 107 42	111 39.7 54				98 0.4 46	97 -5.0 9	100 25.0 39					
CKX 230042 95910147 DUSTY 6	2		CKX 200025 CKX 170008	82 72	102 65	98 45	111 17	92 35	93 41				84 2.51 73	89 0.89 54	89 14 17	102 16.5 65	98 5.7 45	105 86 42	98 28.3 53	96 90 11			89 8.3 15	104 -4.3 51	90 -3.4 19	98 23.8 43	87 9 15	91 20 14		
CKX 230043 95955209 DEEDEE 9	3		CKX 200027 CKX 190019	84 71	114 64	95 43	105 11	105 30	106 38				85 2.43 73	97 0.55 51	95 20 11	114 22.6 64	95 4.6 43	110 97 39	112 40.3 54				99 13.3 7	111 -10.5 46	102 -6.3 13	104 27.8 39	97 16 7	101 34 5		
CKX 230044 95990552 DUSTY 7	3		CKX 200025 CKX 180007	102 53	99 62	107 40	118 10	87 24	107 34				102 0.95 54	103 0.29 40	82 7 10	99 15.1 62	107 8.4 40	113 104 37	100 29.5 50	105 139 5			104 15.9 9	92 5.3 34	88 -3.0 15	97 23.0 40	99 18 9	103 35 8		
CKX 240001 97251581 HOPE 1	2		FC 200033 CKX 170033	111 70	102 65	110 46	103 19	108 30	116 40	103 23	112 37		110 0.18 72	102 0.37 48	97 22 19	102 16.6 65	110 9.2 46	111 99 43	107 36.0 48	112 175 41			117 21.7 45	118 -16.1 40	103 -6.5 20	113 34.0 43	103 21 46	115 51 44		
CKX 240002 97251573 HOPE2	2		FC 200033 CKX 210030	111 70	96 66	107 43	93 13	112 29	106 38	101 21	103 35		110 0.19 72	99 0.47 45	107 33 13	96 13.5 66	107 8.3 43	100 74 41	100 29.6 49	107 153 38			107 17.3 42	117 -15.4 40	108 -7.8 18	114 34.5 40	101 20 43	111 46 41		
CKX 240003 97251599 HOPE 3	4		FC 200033 CKX 180028	78 70	120 66	87 44	88 12	97 28	97 38	105 21	97 35		79 2.94 72	101 0.40 46	112 38 12	120 25.4 66	87 2.1 44	101 77 41	117 44.7 48	113 185 38			112 19.4 42	100 -1.5 39	97 -5.1 18	109 31.0 43	104 22 42	115 52 41		
CKX 240013 97310924 LADYBUG 2	6		CKX 210023 CKX 170018	90 69	112 66	105 44	109 16	96 20	111 36				90 1.98 71	100 0.45 43	91 16 16	112 21.2 66	105 7.7 44	117 113 42	112 39.8 52				82 13.0 31	100 -5.9 10	98 23.5 39					
CKX 240015 97312946 LADYBUG 3	9		CKX 210023 CKX 180022	80 69	109 66	94 42	97 8	92 16	93 32				82 2.70 71	92 0.77 41	103 29 8	109 20.0 66	94 4.4 42	101 78 39	106 34.9 40				90 7.0 27	94 -4.4 6	103 26.8 34					
CKX 240019 97349807 STORM 1	2		CKX 210017 CKX 150005	99 70	99 66	97 46	94 22	112 26	97 39				99 1.16 72	96 0.59 46	106 32 22	99 15.0 66	97 5.4 46	95 64 45	99 28.8 40	100 115 14			100 13.5 17	118 -16.5 34	107 -7.5 18	94 20.6 40	93 13 17	97 28 16		
CKX 240026 97413892 STORM 2	2		CKX 210017 CKX 140007	90 69	110 65	102 45	90 14	105 26	104 37				91 1.88 71	95 0.63 46	110 36 14	110 20.4 65	102 6.8 45	105 87 41	110 38.8 40	108 155 15			112 19.7 18	102 -2.7 34	105 -6.9 18	97 23.0 42	104 22 18	108 43 17		

Breeding Values and Accuracies: Cows

Green: >120 High
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Animal			Selection Values									Birth		Wean				Growth			Fertility				Frame		Carcass			
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	Carcass 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	EMA	Fat	Marbling	
ID Number Name																														
CKX 240028 97471189 LADYBUG 5	2	CKX 210023 CKX 180030	89 70	113 66	95 44	101 19	109 24	106 38				90 2.02 72	98 0.51 45	99 25 19	113 21.7 66	95 4.8 44	107 90 43	112 40.2 47	106 144 14		105 16.0 17	103 -4.3 33	109 -7.9 16	106 29.0 39	96 16 18	104 37 17				
CKX 240032 97496350 LADYBUG 6	2	CKX 210023 CKX 180035	89 69	109 65	101 45	103 18	109 25	107 38				90 2.00 71	93 0.73 44	97 23 18	109 19.9 65	101 6.6 45	109 95 43	108 36.5 52	106 144 10		105 16.2 13	99 -1.0 33	110 -8.1 17	101 25.7 40	100 19 13	104 37 12				
CKX 240033 97509673 STORM 5	2	CKX 210017 CKX 210028	102 69	100 65	96 40	107 13	110 22	102 35				101 1.02 71	112 -0.08 39	93 19 13	100 15.5 65	96 4.9 40	100 74 39	99 28.7 54	105 141 8		106 16.5 12	101 -2.6 30	110 -8.2 13	102 26.4 37	101 20 12	106 39 11				
CKX 240040 97615488 STORM 7	5	CKX 210017 CKX 200034	102 69	109 63	99 41	96 17	107 18	109 34				100 1.06 71	109 0.07 40	104 30 17	109 19.8 63	99 6.0 41	105 86 40	109 38.0 34	106 146 5		107 17.1 12	110 -9.4 29	105 -6.9 8	104 27.4 36	101 20 13	108 42 11				
CKX 240042 97626808 STORM 8	2	CKX 210017 CKX 190019	87 69	111 64	97 42	104 14	107 22	105 35				87 2.22 71	97 0.56 41	96 21 14	111 21.1 64	97 5.2 42	108 94 40	110 38.2 36	106 143 8		106 16.4 12	107 -7.2 30	105 -7.0 13	102 26.0 37	100 19 12	105 39 11				
CKX 240046 97745046 STORM 9	5	CKX 210017 CKX 200006	89 68	117 63	103 37	96 15	98 16	111 32				89 2.12 71	105 0.23 37	104 30 15	117 23.8 63	103 7.2 37	114 107 38	115 43.1 37				98 -0.1 26	98 -5.4 6	96 22.3 34						
CKX 250003 99030140 SKYE 1	2	JA 180004 CKX 220031	108 66	102 69	94 42	100 22	90 28	100 40				106 0.59 68	120 -0.43 46	100 26 22	102 16.6 69	94 4.3 42	97 69 44	100 30.3 46				104 15.5 9	96 1.9 40	91 -3.5 17	102 26.4 42	101 20 9	103 36 8			
CKX 250004 99030157 SKYE 2	1	JA 180004 CKX 220006	104 66	114 69	95 42	99 24	96 28	111 41				102 0.93 68	114 -0.17 45	101 27 24	114 22.1 69	95 4.7 42	106 89 45	114 42.2 47	114 185 17		116 21.3 20	93 4.6 41	98 -5.3 16	103 26.8 42	113 29 21	115 50 20				
CKX 250005 99030165 SKYE 3	2	JA 180004 CKX 230001	132 73	90 69	102 42	93 26	103 28	105 41				128 -1.38 75	122 -0.48 46	107 33 26	90 10.5 69	102 6.7 42	91 55 46	94 24.5 48	107 149 8		110 18.5 11	112 -11.4 40	100 -5.7 17	100 24.8 41	105 23 12	106 40 10				
CKX 250006 99030173 SKYE 4	2	JA 180004 CKX 220038	111 73	94 69	91 42	98 25	106 28	93 41				109 0.32 75	111 -0.03 45	102 27 25	94 12.5 69	91 3.3 42	88 47 45	94 24.6 50	100 114 8		100 13.6 11	108 -8.2 40	104 -6.7 15	97 23.0 41	95 15 12	98 29 10				
CKX 250007 99030181 SKYE 5	2	JA 180004 CKX 220024	112 73	97 69	95 42	107 22	80 28	96 40				109 0.28 75	117 -0.28 46	93 18 22	97 13.8 69	95 4.7 42	96 67 44	95 25.9 50				99 -0.9 40	78 -0.6 16	102 26.3 41						
CKX 250008 99009862 SKYE 6	3	JA 180004 CKX 170029	122 74	90 70	106 49	106 23	78 30	101 43				119 -0.60 76	111 -0.03 51	94 19 23	90 10.4 70	106 8.2 49	100 75 47	91 22.6 48	107 152 10		110 18.5 13	104 -4.6 41	75 0.3 19	102 26.3 44	104 22 13	104 37 12				

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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	Carcass 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	EMA	Fat	Marbling
ID Number Name																													
CKX 250010 99052755 BOOB00 1	5	CKX 220012 CKX 200017	106 71	96 66	102 42	101 14	107 18	102 34				106 0.55 73	94 0.71 41	99 25 14	96 13.4 66	102 7.0 42	99 74 41	97 27.5 41				106 -6.4 28	106 -7.3 8	104 27.8 32					
CKX 250013 99071946 BOOB00 2	5	CKX 220012 CKX 180030	87 72	111 66	92 44	106 17	113 21	104 36				88 2.20 74	98 0.53 44	94 20 17	111 21.0 66	92 3.7 44	105 86 42	109 38.0 42				95 11.2 7	112 -11.1 30	110 -8.3 12	105 28.8 36	87 9 8	95 25 5		
CKX 250014 99071953 LEXI 1	4	CKX 220001 CKX 220011	119 69	92 66	108 38	115 12	97 20	110 34				119 -0.56 72	96 0.59 37	85 10 12	92 11.4 66	108 8.8 38	107 90 39	98 28.6 38	102 124 9			92 10.0 15	88 8.2 32	100 -5.8 7	103 27.1 34	94 15 15	97 28 13		
CKX 250016 99087314 LEXI 2	5	CKX 220001 CKX 220023	97 69	100 65	97 38	108 12	97 18	98 33				98 1.26 72	93 0.76 38	92 17 12	100 15.5 65	97 5.4 38	102 78 38	101 30.8 42				90 9.1 8	94 3.0 31	98 -5.3 6	107 30.1 33	92 13 9	96 27 6		
CKX 250017 99087322 BOOB00 3	4	CKX 220012 CKX 220033	93 70	106 65	94 36	102 8	105 17	100 32				93 1.71 73	99 0.50 36	98 24 8	106 18.6 65	94 4.3 36	101 77 36	105 34.0 38				101 -2.2 28	106 -7.1 6	100 25.0 31					
CKX 250019 99087348 SKYE 7	2	JA 180004 CKX 170024	104 74	101 70	101 49	111 25	84 29	102 43				102 0.87 76	109 0.06 51	89 14 25	101 15.7 70	101 6.7 49	106 89 48	100 29.6 50	106 144 7			108 17.5 10	96 1.5 40	83 -1.8 18	101 25.6 44	102 21 10	103 36 9		
CKX 250022 99152035 LEXI 3	5	CKX 220001 CKX 210016	101 70	104 67	105 38	100 14	108 22	110 35				103 0.82 73	80 1.29 40	100 26 14	104 17.6 67	105 7.8 38	108 92 40	111 39.3 42	107 151 20			104 15.7 24	87 8.9 34	113 -8.8 11	103 26.8 38	98 18 24	102 35 23		
CKX 250025 99112021 BOOB00 4	7	CKX 220012 CKX 180028	83 71	111 66	88 41	103 8	91 18	93 33				83 2.57 73	99 0.49 41	97 23 8	111 20.7 66	88 2.5 41	100 75 38	106 35.4 38				98 0.5 29	91 -3.7 8	97 22.9 34					
CKX 250026 99112039 BOOB00 5	5	CKX 220012 CKX 200018	112 71	93 66	94 41	102 8	109 17	96 33				111 0.14 73	104 0.25 41	98 24 8	93 11.7 66	94 4.2 41	90 52 38	93 23.7 40				105 -5.7 27	108 -7.7 7	99 24.1 33					
CKX 250028 99138521 BOOB00 6	6	CKX 220012 CKX 180001	91 71	106 64	90 43	106 5	109 22	99 34				91 1.87 73	99 0.46 44	94 19 5	106 18.5 64	90 3.2 43	100 74 37	104 33.3 36				101 -2.1 31	109 -8.0 12	101 25.7 36					
CKX 250029 99138554 LEXI 5	3	CKX 220001 CKX 200016	107 71	95 66	107 38	115 12	103 24	108 36				107 0.43 73	92 0.80 42	85 11 12	95 13.2 66	107 8.4 38	108 94 39	100 29.7 42	103 128 15			91 9.5 19	97 1.1 33	104 -6.8 15	106 28.9 37	96 16 19	98 29 18		
CKX 250033 99164899 BOOB00 7	3	CKX 220012 CKX 130016	100 72	100 66	101 47	104 14	102 26	102 38				99 1.16 74	102 0.37 48	96 21 14	100 15.5 66	101 6.4 47	102 81 42	99 29.3 42	102 123 7			96 11.9 12	95 2.5 35	104 -6.7 18	102 26.1 40	95 16 11	98 30 9		

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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	Carcass 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	EMA	Fat	Marbling
ID Number Name																													
CKX 250037 99217721 BOOB00 7	3	CKX 220012 CKX 170019	82 72	114 65	103 45	111 17	95 24	109 37				83 2.58 74	94 0.71 45	89 14 17	114 22.2 65	103 7.2 45	118 116 42	111 39.8 42				104 15.6 6	93 4.1 33	96 -4.8 16	101 25.3 38	100 19 6			
CKX 250038 99261661 BOOB00 8	4	CKX 220012 CKX 180035	89 71	102 64	98 45	112 18	112 25	101 38				91 1.93 73	93 0.75 44	88 14 18	102 16.4 64	98 5.5 45	105 85 42	99 29.1 40				90 9.0 9	109 -9.1 33	110 -8.2 17	100 24.9 38	87 9 10	91 20 8		
CKX 250044 99345704 LEXI 6	8	CKX 220001 CKX 150005	104 70	97 63	101 46	98 6	105 20	100 33				106 0.58 72	84 1.12 46	102 27 6	97 13.7 63	101 6.7 46	98 70 38	101 30.4 40				107 -7.2 30	104 -6.6 9	100 24.6 36					
CKX 250047 99405482 LEXI 7	3	CKX 220001 CKX 210022	107 70	97 66	99 41	111 14	96 24	101 36				107 0.48 73	92 0.77 40	89 14 14	97 13.9 66	99 5.9 41	102 78 40	101 31.1 42	99 110 15			90 8.7 19	84 11.4 34	100 -5.8 15	102 26.3 37	91 13 19	95 25 18		
CKX 250048 99405490 LEXI 8	3	CKX 220001 CKX 210040	104 70	93 66	98 41	99 16	106 24	94 37				105 0.66 73	87 0.98 40	101 27 16	93 11.9 66	98 5.7 41	93 59 41	96 26.6 40	96 93 16			89 8.2 20	99 -0.5 34	107 -7.4 14	100 24.8 36	89 10 20	92 22 19		
CKX 250050 99443772 LEXI 9	3	CKX 220001 CKX 200040	109 71	100 66	97 42	113 19	105 25	107 38				109 0.31 73	97 0.55 42	87 12 19	100 15.4 66	97 5.4 42	103 82 42	104 33.6 40	103 131 15			94 10.9 19	102 -3.3 34	105 -6.9 16	103 27.0 37	96 16 19	99 31 17		
CKX 250053 99575078 LEXI 10	5	CKX 220001 CKX 210038	116 68	94 63	103 38	106 7	94 20	104 32				115 -0.26 70	95 0.63 39	94 19 7	94 12.5 63	103 7.3 38	101 76 36	98 28.6 36				94 11.0 9	97 0.7 31	95 -4.5 8	105 28.7 34	96 16 10	99 31 7		
CKX 250054 99575086 LEXI 11	6	CKX 220001 CKX 190019	94 68	105 65	101 43	110 9	100 19	106 34				96 1.45 70	84 1.11 42	90 15 9	105 18.0 65	101 6.6 43	109 96 39	108 36.7 38				95 11.1 8	96 1.6 31	101 -6.0 7	105 28.4 34	95 15 8	99 31 5		
CKX 250055 99628026 LEXI 12	6	CKX 220001 CKX 210032	102 68	103 65	97 41	92 11	105 20	101 34				103 0.87 70	93 0.75 39	108 34 11	103 17.1 65	97 5.3 41	97 69 39	107 35.5 38				101 14.0 11	103 -4.0 31	105 -7.0 9	102 26.3 34	99 18 11	103 36 9		
CKX 250056 99628034 BOOB00 9	10	CKX 220012 CKX 160002	94 69	97 66	94 44	110 7	87 19	90 34				95 1.55 71	94 0.68 44	90 16 7	97 13.9 66	94 4.4 44	97 68 39	93 23.5 40				97 1.0 30	87 -2.7 8	105 28.3 35					
CKX 260001 6020513948 KRISSIE 1		CKX 230026	130 65	82 32	101 24	100 9	100 18	96 22				128 -1.45 68	96 0.63 28	100 26 9	82 6.3 32	101 6.5 24	87 44 22	90 21.0 25	86 40 13			98 12.9 14	105 -5.3 25	99 -5.4 10	75 7.0 22	90 11 15	85 13 14		
CKX 260002 6020513955 KRISSIE 2		CKX 230012	122 64	84 33	97 21	103 8	94 15	91 20				121 -0.78 67	93 0.73 25	97 23 8	84 7.4 33	97 5.3 21	87 44 21	90 21.0 24				96 1.6 23	94 -4.4 7	76 7.8 19					

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ID Number Name																													
CKX 260003 6020552169 KRISSIE 3		CKX 170033	99 66	101 33	93 36	110 22	101 21	98 28				99 1.16 69	97 0.56 36	90 16 22	101 15.8 33	93 3.9 36	99 72 30	103 32.6 26	91 66 17		109 18.2 19	114 -13.1 26	97 -5.1 16	71 4.6 28	94 14 19	89 18 18			
CKX 260005 6020547318 BOOBOO 11	9	CKX 220012 CKX 230023	97 69	104 49	100 27							97 1.36 72	98 0.54 31		104 17.3 49	100 6.4 27		103 32.5 33				105 -5.6 22		104 27.5 22					
CKX 260006 6020603327 KRISSIE 4	3	FC 210068 CKX 230030	103 71	95 55	93 35	109 7	108 24	96 31				102 0.88 74	105 0.25 39	91 17 7	95 12.9 55	93 4.2 35	95 63 32	95 25.4 40	92 69 30		90 8.9 34	117 -15.1 33	103 -6.6 14	109 31.3 36	80 4 34	88 16 33			
CKX 260007 6020603335 KRISSIE 5	3	FC 210068 CKX 230013	95 71	100 55	94 35		98 24					95 1.58 74	105 0.24 38		100 15.3 55	94 4.5 35	99 73 31	98 28.0 40	91 65 29		87 7.4 33	108 -7.9 33	96 -4.8 14	112 33.2 35	82 5 34	88 17 32			
CKX 260009 6020601438 HOPE 5	3	FC 200033 CKX 230039	78 72	117 55	103 36		108 25	106 20				80 2.89 74	95 0.65 42		117 24.1 55	103 7.1 36	115 110 32	116 43.4 42	115 192 36		112 19.6 40	117 -15.5 38	104 -6.6 12	115 35.7 36	108 25 40	117 54 39			
CKX 260010 6020603343 KRISSIE 6	4	FC 210068 CKX 230029	113 71	83 55	93 36		99 24					112 0.04 74	108 0.11 39		83 6.8 55	93 4.1 36	86 42 32	82 14.3 40	90 62 27		86 7.0 31	112 -11.5 34	96 -4.7 13	110 32.1 36	79 3 32	85 13 31			
CKX 260014 6020627268 KRISSIE 7	4	FC 210068 CKX 230036	109 71	84 55	94 35		103 24					108 0.39 74	107 0.16 39		84 7.7 55	94 4.4 35	87 46 31	84 15.8 38	93 76 28		88 7.9 32	114 -12.7 34	99 -5.5 13	107 29.9 35	82 6 33	88 17 32			
CKX 260017 6020701857 KRISSIE 8	4	FC 210068 CKX 230037	109 71	86 55	94 35		101 24					107 0.45 74	107 0.14 39		86 8.2 55	94 4.3 35	89 50 31	84 16.4 38	91 68 28		85 6.7 32	111 -10.6 34	97 -5.1 13	107 29.5 35	81 4 33	86 14 32			
CKX 260019 6020726003 BOOBOO 12	2	CKX 220012 CKX 160024	93 72	104 53	102 47	105 18	101 29	103 37				93 1.69 74	97 0.55 48	95 21 18	104 17.5 53	102 7.0 47	107 91 39	103 32.4 44	97 98 25		90 8.8 28	105 -5.2 37	99 -5.6 21	105 28.7 40	88 10 28	94 25 27			
CKX 260021 6020728900 BOOBOO 13	5	CKX 220012 CKX 180030	91 71	108 53	94 44	106 17	112 21	103 33				92 1.81 73	97 0.55 44	94 20 17	108 19.2 53	94 4.2 44	103 83 38	107 35.6 42			94 10.7 7	113 -11.6 30	110 -8.1 12	105 28.5 34	87 9 8	94 24 5			
CKX 260022 6020747256 BOOBOO 14	5	CKX 220012 CKX 210016	95 71	102 51	104 39	105 12	107 22	105 31				97 1.36 73	84 1.10 41	95 20 12	102 16.4 51	104 7.5 39	107 91 34	104 33.0 42	100 111 12		95 11.1 15	94 3.3 32	109 -7.9 11	101 25.8 36	90 11 16	93 24 15			
CKX 260026 6020795644 BOOBOO 15	3	CKX 220012 CKX 220006	113 69	96 51	105 38	110 10	101 22	108 31				112 0.01 72	99 0.49 38	90 16 10	96 13.5 51	105 7.7 38	105 86 33	99 29.3 37	102 126 11		95 11.2 16	96 1.5 32	102 -6.3 11	104 27.8 34	98 17 16	100 32 15			

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White: 80-120 Average
Orange: <80 Low

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		Carcass			
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	Carcass 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	EMA	Fat	Marbling		
ID Number Name																															
CKX 260028 6020835556 BOOB00 16	3	CKX 220012 CKX 170024	90 71	104 52	103 45	112 18	90 24	102 34				90 1.95 73	96 0.62 45	88 13 18	104 17.6 52	103 7.2 45	111 101 38	102 31.7 40				99 13.2 7	97 1.0 33	90 -3.3 16	103 26.7 37	98 17 7	100 31 5				
CKX 260029 6020835564 BOOB00 17	2	CKX 220012 CKX 230001	130 69	83 50	108 38	98 14	108 22	103 31				128 -1.39 72	107 0.13 39	102 28 14	83 7.0 50	108 8.7 38	92 58 34	87 18.9 38	101 118 5				96 11.9 10	114 -12.7 30	105 -7.0 13	101 25.8 32	96 16 10	98 30 8			
CKX 260030 6020853740 FLIRTY 1	3	CN 180007 CKX 220020	86 73	108 59	97 49	115 17	98 34	102 40	98 22	100 36	101 18	87 2.27 75	94 0.68 51	85 10 17	108 19.3 59	97 5.1 49	110 98 42	106 34.7 50	103 132 40				81 4.7 43	96 2.2 45	99 -5.6 23	106 28.9 44	97 16 43	100 32 42	102 -0.13 21	104 0.78 16	101 -0.54 16
CKX 260032 6020897002 FLIRTY 2	3	CN 180007 CKX 200013	83 73	109 59	100 51	105 20	88 34	99 41	99 22	97 37	102 20	85 2.44 75	93 0.74 53	95 21 20	109 19.9 59	100 6.1 51	109 95 43	106 35.3 50	105 137 40				83 5.5 43	90 6.3 45	90 -3.4 24	105 28.2 44	99 18 43	101 34 42	102 -0.08 22	104 0.79 17	102 -0.52 17
CKX 260033 6020899149 FLIRTY 3	4	CN 180007 CKX 220024	114 73	90 58	106 48	110 17	81 34	99 40	97 21	97 36	101 17	113 -0.06 75	101 0.40 50	90 16 17	90 10.5 58	106 8.0 48	101 77 41	91 22.2 48	104 132 39				82 5.0 42	99 -0.7 45	80 -0.9 22	105 28.4 43	97 17 42	100 32 41	101 -0.22 20	104 0.76 14	101 -0.54 14
CKX 260034 6020899156 FLIRTY 4	5	CN 180007 CKX 150005	95 74	97 59	102 55	97 20	100 36	95 42	96 22	93 38	98 18	97 1.40 75	86 1.01 56	103 28 20	97 14.2 59	102 6.9 55	99 72 45	97 27.0 50	101 120 41				79 3.7 44	111 -10.4 46	96 -4.9 26	100 25.1 47	92 13 44	95 26 43	99 -0.45 21	105 0.86 15	102 -0.50 15

Selection List on Cow Value

Bulls 2 years and older

ID Sorted on ID		Name	Sire ID	Dam ID	% Inbreeding	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	CKX 240024	DRIFTER 10	CKX 210023	CKX 170037	2.3	8170	11665	10744	10414	10526	11437			
2	CKX 240035	MAX 4	CKX 210017	CKX 200005	4.9	9668	11364	10638	9611	10316	11532			
						★★★★								
1	CKX 240004	MUFASA 1	FC 200033	CKX 200016	2.8	9471	10656	10442	1058	10830	10935	10021	10632	
2	CKX 240025	DRIFTER 11	CKX 210023	CKX 200017	2.4	9469	11065	10341	9215	10422	10736			

Selection List on Cow Value

Cows 2 years and older

ID Sorted on ID	Name	Sire ID	Dam ID	% Inbreeding	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	CKX 170019 BONNIEBRAE JENNY III	TL 140151	CKX 140006	2.1	80 80	114 74	108 77	118 33	87 41	112 54			
2	CKX 170033 BONNIEBRAE ANGIE	TL 140151	TZ 070180	1.4	99 78	108 66	105 71	120 44	103 43	117 54			
3	CKX 200005 BETTY II	GMO 160023	CKX 170014	3.2	108 75	99 72	119 64	117 29	89 40	117 50			
4	CKX 200016 DESMARI II	GMO 160023	CKX 170037	2.2	93 78	103 70	105 60	122 22	104 42	110 49			
5	CKX 220006 LOUISE II	CN 180078	CKX 190023	1.1	108 76	105 72	100 57	115 25	100 40	113 49	105 20	110 43	
6	CKX 220011 NOLLIE XX1	GMO 160023	CKX 170018	3.3	117 75	93 71	107 60	124 22	91 36	111 47			
7	CKX 230026 DEEDEE6	CKX 200027	CKX 160024	2.0	120 73	96 64	107 47	100 19	101 35	110 42			
8	CKX 230039 DUSTY 5	CKX 200025	CKX 170037	8.6	71 71	119 64	105 43	111 9	104 27	113 36			
9	CKX 230041 DEEDEE10	CKX 200027	CKX 170019	5.7	95 71	111 66	103 45	106 14	97 28	112 38			
10	CKX 240001 HOPE 1	FC 200033	CKX 170033	2.4	111 70	102 65	110 46	103 19	108 30	116 40	103 23	112 37	
11	CKX 240013 LADYBUG 2	CKX 210023	CKX 170018	5.7	90 69	112 66	105 44	109 16	96 20	111 36			
12	CKX 240046 STORM 9	CKX 210017	CKX 200006	5.0	89 68	117 63	103 37	96 15	98 16	111 32			
					★★★★								
1	CKX 160024 BONNIEBRAE CLARIDA	RRM 130043	TZ 070180	1.0	115 84	91 75	111 81	105 38	100 53	106 61	91 28	101 54	
2	CKX 170024 BONNIEBRAE TAMMY II	TL 140151	CKX 120018	2.3	87 81	105 74	106 76	121 34	78 42	104 55			
3	CKX 180030 BONNIEBRAE MISTY	CKX 150012	TZ 070180	1.6	88 81	113 76	85 76	108 40	123 42	105 56			
4	CKX 180035 BONNIEBRAE SUNNY	TL 150068	JA 100012	1.4	90 78	105 69	96 76	111 41	123 46	105 56			
5	CKX 190019 LYNN	GMO 160023	CKX 150017	2.6	84 78	104 72	99 72	122 24	96 40	101 51			
6	CKX 200017 MEL II	AJS 160057	CKX 160023	1.4	114 77	90 74	102 70	97 43	113 42	100 55			
7	CKX 200034 CLARIDA II	GMO 160023	CKX 160024	1.5	103 78	97 65	100 70	110 36	96 44	100 53			
8	CKX 200040 LADYBUG	GMO 160023	CKX 130027	4.3	107 76	96 73	89 70	126 35	106 42	102 54			
9	CKX 210011 SPEEDY VIII	JRE 100045	CKX 180003	1.0	110 77	93 73	97 63	117 36	106 46	102 54	96 23	99 48	
10	CKX 210016 SPEEDY X	JRE 100045	CKX 180034	1.0	107 77	95 72	110 61	106 29	112 46	109 52	95 23	105 46	
11	CKX 210028 AVO IV	GMO 160023	CKX 130016	4.1	107 77	96 73	100 66	120 24	103 40	105 50			
12	CKX 210030 MEL XX	AJS 160057	CKX 170014	2.4	123 76	93 72	109 63	90 31	114 40	109 51			
13	CKX 220020 LADY GIRL	GMO 160023	CKX 130027	4.3	90 76	102 72	90 62	130 27	103 40	100 50			
14	CKX 230012 DEEDEE1	CKX 200027	CKX 200009	2.9	113 70	94 66	103 41	106 16	88 30	101 39			
15	CKX 230013 DEEDEE2	CKX 200027	CKX 200034	2.5	97 71	110 65	102 42	101 17	92 31	108 39			
16	CKX 230014 DEEDEE3	CKX 200027	CKX 200013	3.0	105 71	103 66	97 41	104 16	84 30	100 39			
17	CKX 230027 DEEDEE7	CKX 200027	CKX 130023	9.8	127 73	91 65	105 45	100 8	72 27	100 37			

Selection List on Cow Value

Cows 2 years and older

ID Sorted on ID	Name	Sire ID	Dam ID	% Inbreeding	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	
					★★★★								
18	CKX 230030	DEEDEE8	CKX 200027	CKX 180030	1.8	106 71	105 66	98 45	101 19	110 32	109 41		
19	CKX 230034	DEEDEE9	CKX 200027	CKX 180035	1.9	96 73	110 66	99 45	101 19	102 33	108 41		
20	CKX 230038	DEEDEE9	CKX 200027	CKX 170024	3.4	100 71	104 66	105 45	108 16	91 31	107 40		
21	CKX 230043	DEEDEE 9	CKX 200027	CKX 190019	2.9	84 71	114 64	95 43	105 11	105 30	106 38		
22	CKX 230044	DUSTY 7	CKX 200025	CKX 180007	2.7	102 53	99 62	107 40	118 10	87 24	107 34		
23	CKX 240002	HOPE2	FC 200033	CKX 210030	2.0	111 70	96 66	107 43	93 13	112 29	106 38	101 21	103 35
24	CKX 240026	STORM 2	CKX 210017	CKX 140007	1.7	90 69	110 65	102 45	90 14	105 26	104 37		
25	CKX 240028	LADYBUG 5	CKX 210023	CKX 180030	1.8	89 70	113 66	95 44	101 19	109 24	106 38		
26	CKX 240032	LADYBUG 6	CKX 210023	CKX 180035	2.0	89 69	109 65	101 45	103 18	109 25	107 38		
27	CKX 240033	STORM 5	CKX 210017	CKX 210028	1.7	102 69	100 65	96 40	107 13	110 22	102 35		
28	CKX 240040	STORM 7	CKX 210017	CKX 200034	5.2	102 69	109 63	99 41	96 17	107 18	109 34		
29	CKX 240042	STORM 8	CKX 210017	CKX 190019	1.7	87 69	111 64	97 42	104 14	107 22	105 35		
					★★★★								
1	CKX 140011	BONNIEBRAE TYLA	TL 100179	TL 060011	2.1	129 84	83 78	100 81	117 32	73 50	96 59		
2	CKX 170029	BONNIEBRAE LUCY	TL 140151	TL 060011	2.8	113 80	87 74	112 76	116 27	65 46	98 55		
3	CKX 190008	AZALIA	GMO 160023	CKX 160023	2.2	103 79	92 75	96 73	109 30	92 40	91 53		
4	CKX 200013	JACKET	GMO 160023	CKX 170012	2.4	79 78	108 73	94 68	110 35	84 42	93 53		
5	CKX 210024	MEL XVI	AJS 160057	CKX 170024	2.1	96 76	100 72	94 65	98 27	102 39	93 50		
6	CKX 220024	TAYLOR	GMO 160023	CKX 170003	3.1	117 75	85 69	98 58	120 26	70 38	91 47		
7	CKX 220031	MARISA	GMO 160023	CKX 130029	4.0	105 76	98 69	94 59	106 22	90 40	95 48		
8	CKX 220033	TYLER	AJS 160057	CKX 180005	1.7	108 73	96 67	92 57	102 29	108 36	96 47		
9	CKX 230001	MEL XXVII	AJS 160057	CKX 170014	2.4	122 75	78 69	106 60	92 34	115 40	93 50		
10	CKX 230002	SUZIE	CN 170056	TL 070015	7.7	100 76	101 73	109 65	85 20	85 45	98 51	103 24	98 46
11	CKX 230029	DEEDEE7	CKX 200027	CKX 160023	5.5	110 72	91 66	91 47	106 20	93 32	91 41		
12	CKX 230032	DEEDEE8	CKX 200027	CKX 160015	2.4	116 72	93 66	91 46	107 19	108 34	98 42		
13	CKX 230036	DUSTY 3	CKX 200025	CKX 180003	3.2	88 71	104 65	88 43	105 10	100 32	92 39		
14	CKX 230037	DUSTY 4	CKX 200025	CKX 180001	2.8	102 71	96 65	93 43	111 8	96 32	95 38		
15	CKX 230042	DUSTY 6	CKX 200025	CKX 170008	2.3	82 72	102 65	98 45	111 17	92 35	93 41		
16	CKX 240003	HOPE 3	FC 200033	CKX 180028	3.7	78 70	120 66	87 44	88 12	97 28	97 38	105 21	97 35
17	CKX 240015	LADYBUG 3	CKX 210023	CKX 180022	8.7	80 69	109 66	94 42	97 8	92 16	93 32		

Selection List on Cow Value

Cows 2 years and older

ID Sorted on ID	Name	Sire ID	Dam ID	% Inbreeding	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	
					★★★★★								
18	CKX 240019 STORM 1	CKX 210017	CKX 150005	1.6	99 70	99 66	97 46	94 22	112 26	97 39			
					★★★								
1	CKX 150005 BONNIEBRAE LADYBIRD	TL 120057	TL 070015	1.7	101 79	86 74	98 81	95 41	106 49	85 59			
2	CKX 180003 BONNIEBRAE JULY II	CKX 150012	CKX 130012	2.6	87 79	102 72	85 75	99 31	115 44	89 54			
3	CKX 180022 BONNIEBRAE JUNEBUG	CKX 150012	CKX 130005	2.4	97 77	93 72	93 71	100 27	89 41	84 52			
4	CKX 200021 MEL V	AJS 160057	CKX 130016	1.6	115 77	93 73	92 67	71 33	114 44	88 53			
5	CKX 200026 MEL VIII	AJS 160057	TL 070015	1.5	117 77	86 73	100 71	71 34	110 46	87 55			
6	CKX 220023 AZILLIA	GMO 160023	CKX 160023	2.2	96 75	93 71	94 61	115 33	90 38	89 50			

Selection List on Cow Value

Bull Calves younger than 2 years

ID Sorted on ID	Name	Sire ID	Dam ID	% Inbreeding	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	CKX 250018	SCOOBY 2	JA 180004	CKX 170037	2.2	98 74	110 56	106 48	109 27	102 30	115 40		
2	CKX 250046	LINC 11	CKX 220001	CKX 200005	2.4	99 69	107 64	108 40	106 16	96 24	112 36		
					★★★★								
1	CKX 250011	LINC 1	CKX 220001	CKX 230002	3.0	111 70	99 67	110 41	90 12	94 26	106 37		
2	CKX 250015	LINC 2	CKX 220001	CKX 220015	1.9	107 69	100 66	95 38	106 16	94 22	101 36		
3	CKX 250020	LINC 3	CKX 220001	CKX 220020	2.6	101 70	99 66	99 39	117 15	103 24	103 36		
4	CKX 250021	LINC 4	CKX 220001	CKX 230003	2.9	105 68	100 65	102 38	95 12	104 22	103 34		
5	CKX 250023	SCOOBY 3	JA 180004	CKX 160024	1.6	110 74	99 71	101 50	98 28	95 33	103 45		
6	CKX 250024	LINC 5	CKX 220001	CKX 190008	5.3	98 71	104 67	99 43	101 10	98 19	102 34		
7	CKX 250031	LINC 6	CKX 220001	CKX 210028	2.0	108 70	98 67	101 41	108 14	103 24	105 37		
8	CKX 250036	ROCK 6	CKX 220012	CKX 210030	2.1	101 70	106 64	104 40	92 13	108 22	108 35		
9	CKX 250039	LINC 7	CKX 220001	CKX 140007	2.0	106 71	92 66	109 46	100 14	96 26	100 38		
10	CKX 250041	LINC 7	CKX 220001	CKX 210024	2.9	99 70	104 66	97 40	96 15	103 23	100 36		
11	CKX 250043	LINC 9	CKX 220001	CKX 210014	5.2	99 69	101 64	96 40	108 15	101 20	101 34		
12	CKX 250045	LINC 10	CKX 220001	CKX 210011	5.1	102 71	98 65	97 40	110 16	104 23	101 36		
13	CKX 250049	LINC 14	CKX 220001	CKX 200009	2.4	103 70	100 66	103 42	102 19	93 25	102 38		
14	CKX 250051	LINC 15	CKX 220001	CKX 200035	5.2	101 68	101 65	99 42	98 12	104 20	100 34		
15	CKX 260008	ROCK 7	CKX 220012	CKX 230038	3.1	90 69	107 49	101 33	106 8	96 18	104 27		
16	CKX 260015	ROCK 9	CKX 220012	CKX 230041	3.0	97 69	105 50	103 33	105 6	99 17	107 27		
17	CKX 260023	ROCK 13	CKX 220012	CKX 230034	3.4	91 69	109 50	99 33	102 9	102 19	104 28		
18	CKX260026	BOND 2	CN 180007	CKX 140011	5.8	116 75	92 61	105 55	108 16	83 36	101 42	100 22	99 38
19	CKX 260031	BOND 3	CN 180007	CKX 200016	2.8	92 73	105 58	106 49	111 14	98 34	108 39	101 22	105 36
					★★★★								
1	CKX 250009	ROCK 1	CKX 220012	CKX 200021	2.3	101 71	96 66	96 41	90 13	107 22	92 35		
2	CKX 250012	SCOOBY 1	JA 180004	CKX 200026	2.4	108 73	100 70	94 47	80 26	100 30	93 43		
3	CKX 250030	ROCK 2	CKX 220012	CKX 180003	6.1	90 71	102 65	93 44	101 9	108 20	94 34		
4	CKX 250035	ROCK 5	CKX 220012	CKX 160023	9.2	103 72	90 66	95 47	110 11	97 20	90 35		
5	CKX 250042	LINC 8	CKX 220001	CKX 200013	2.4	90 71	105 64	98 41	106 19	93 24	98 37		

Selection List on Cow Value
Bull Calves younger than 2 years

ID Name Sorted on ID		Sire ID	Dam ID	% Inbreeding	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	
					★★★★☆								
6	CKX 250052	LINC 16	CKX 220001	CKX 200034	2.1	118 68	77 65	106 42	116 19	97 25	94 38		
7	CKX 260004	DIAMOND		CKX 230032	0.0	122 65	84 33	91 23	103 9	104 16	90 21		
8	CKX 260018	ROCK 11	CKX 220012	CKX 200021	2.3	109 71	95 52	98 41	87 13	108 22	95 32		
9	CKX 260020	ROCK 12	CKX 220012	CKX 200026	7.8	106 70	94 51	101 42	87 7	106 17	94 29		
10	CKX 260025	BOND 1	CN 180007	CKX 190008	3.3	100 73	98 60	102 53	104 16	92 34	98 41	101 22	97 37
					★★★								
1	CKX 250027	SCOOPY 4	JA 180004	CKX 180022	2.1	104 73	94 70	92 47	100 24	89 28	88 42		
2	CKX 250034	ROCK 4	CKX 220012	CKX 160015	8.8	100 71	88 65	90 46	117 11	107 19	88 34		
3	CKX 260013	DIAMOND 3	FC 210068	CKX 230042	3.7	89 71	95 55	93 36	114 5	98 24	88 31		

Selection List on Cow Value

Heifers younger than 2 years

ID Sorted on ID	Name	Sire ID	Dam ID	% Inbreeding	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	CKX 250004 SKYE 2	JA 180004	CKX 220006	1.5	104 66	114 69	95 42	99 24	96 28	111 41			
2	CKX 250014 LEXI 1	CKX 220001	CKX 220011	4.0	119 69	92 66	108 38	115 12	97 20	110 34			
3	CKX 250022 LEXI 3	CKX 220001	CKX 210016	5.1	101 70	104 67	105 38	100 14	108 22	110 35			
					★★★								
1	CKX 250003 SKYE 1	JA 180004	CKX 220031	1.6	108 66	102 69	94 42	100 22	90 28	100 40			
2	CKX 250005 SKYE 3	JA 180004	CKX 230001	1.7	132 73	90 69	102 42	93 26	103 28	105 41			
3	CKX 250008 SKYE 6	JA 180004	CKX 170029	3.0	122 74	90 70	106 49	106 23	78 30	101 43			
4	CKX 250010 BOOBOO 1	CKX 220012	CKX 200017	5.5	106 71	96 66	102 42	101 14	107 18	102 34			
5	CKX 250013 BOOBOO 2	CKX 220012	CKX 180030	5.0	87 72	111 66	92 44	106 17	113 21	104 36			
6	CKX 250017 BOOBOO 3	CKX 220012	CKX 220033	4.2	93 70	106 65	94 36	102 8	105 17	100 32			
7	CKX 250019 SKYE 7	JA 180004	CKX 170024	2.1	104 74	101 70	101 49	111 25	84 29	102 43			
8	CKX 250029 LEXI 5	CKX 220001	CKX 200016	2.8	107 71	95 66	107 38	115 12	103 24	108 36			
9	CKX 250033 BOOBOO 7	CKX 220012	CKX 130016	3.0	100 72	100 66	101 47	104 14	102 26	102 38			
10	CKX 250037 BOOBOO 7	CKX 220012	CKX 170019	2.8	82 72	114 65	103 45	111 17	95 24	109 37			
11	CKX 250038 BOOBOO 8	CKX 220012	CKX 180035	3.6	89 71	102 64	98 45	112 18	112 25	101 38			
12	CKX 250044 LEXI 6	CKX 220001	CKX 150005	8.3	104 70	97 63	101 46	98 6	105 20	100 33			
13	CKX 250047 LEXI 7	CKX 220001	CKX 210022	2.6	107 70	97 66	99 41	111 14	96 24	101 36			
14	CKX 250050 LEXI 9	CKX 220001	CKX 200040	2.6	109 71	100 66	97 42	113 19	105 25	107 38			
15	CKX 250053 LEXI 10	CKX 220001	CKX 210038	5.3	116 68	94 63	103 38	106 7	94 20	104 32			
16	CKX 250054 LEXI 11	CKX 220001	CKX 190019	5.5	94 68	105 65	101 43	110 9	100 19	106 34			
17	CKX 250055 LEXI 12	CKX 220001	CKX 210032	5.7	102 68	103 65	97 41	92 11	105 20	101 34			
18	CKX 260019 BOOBOO 12	CKX 220012	CKX 160024	1.6	93 72	104 53	102 47	105 18	101 29	103 37			
19	CKX 260021 BOOBOO 13	CKX 220012	CKX 180030	5.0	91 71	108 53	94 44	106 17	112 21	103 33			
20	CKX 260022 BOOBOO 14	CKX 220012	CKX 210016	5.1	95 71	102 51	104 39	105 12	107 22	105 31			
21	CKX 260026 BOOBOO 15	CKX 220012	CKX 220006	3.2	113 69	96 51	105 38	110 10	101 22	108 31			
22	CKX 260028 BOOBOO 16	CKX 220012	CKX 170024	2.9	90 71	104 52	103 45	112 18	90 24	102 34			
23	CKX 260029 BOOBOO 17	CKX 220012	CKX 230001	2.1	130 69	83 50	108 38	98 14	108 22	103 31			
24	CKX 260030 FLIRTY 1	CN 180007	CKX 220020	3.1	86 73	108 59	97 49	115 17	98 34	102 40	98 22	100 36	

Selection List on Cow Value
Heifers younger than 2 years

ID Sorted on ID		Name	Sire ID	Dam ID	% Inbreeding	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	CKX 250006	SKYE 4	JA 180004	CKX 220038	1.7	11173	9469	9142	9825	10628	9341			
2	CKX 250007	SKYE 5	JA 180004	CKX 220024	2.2	11273	9769	9542	10722	8028	9640			
3	CKX 250016	LEXI 2	CKX 220001	CKX 220023	5.3	9769	10065	9738	10812	9718	9833			
4	CKX 250025	BOOBOO 4	CKX 220012	CKX 180028	6.8	8371	11166	8841	1038	9118	9333			
5	CKX 250026	BOOBOO 5	CKX 220012	CKX 200018	5.3	11271	9366	9441	1028	10917	9633			
6	CKX 250028	BOOBOO 6	CKX 220012	CKX 180001	6.0	9171	10664	9043	1065	10922	9934			
7	CKX 250048	LEXI 8	CKX 220001	CKX 210040	2.9	10470	9366	9841	9916	10624	9437			
8	CKX 250056	BOOBOO 9	CKX 220012	CKX 160002	9.9	9469	9766	9444	1107	8719	9034			
9	CKX 260001	KRISSIE 1		CKX 230026	0.0	13065	8232	10124	1009	10018	9622			
10	CKX 260002	KRISSIE 2		CKX 230012	0.0	12264	8433	9721	1038	9415	9120			
11	CKX 260003	KRISSIE 3		CKX 170033	0.0	9966	10133	9336	11022	10121	9828			
12	CKX 260006	KRISSIE 4	FC 210068	CKX 230030	3.1	10371	9555	9335	1097	10824	9631			
13	CKX 260032	FLIRTY 2	CN 180007	CKX 200013	2.8	8373	10959	10051	10520	8834	9941	9922	9737	
14	CKX 260033	FLIRTY 3	CN 180007	CKX 220024	3.7	11473	9058	10648	11017	8134	9940	9721	9736	
15	CKX 260034	FLIRTY 4	CN 180007	CKX 150005	5.1	9574	9759	10255	9720	10036	9542	9622	9338	

	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.

