



WAGYU BREEDING VALUE REPORT

September 2026



ITHEMBELIHLE GROUP (PTY) LTD

Herd Number: 8666499

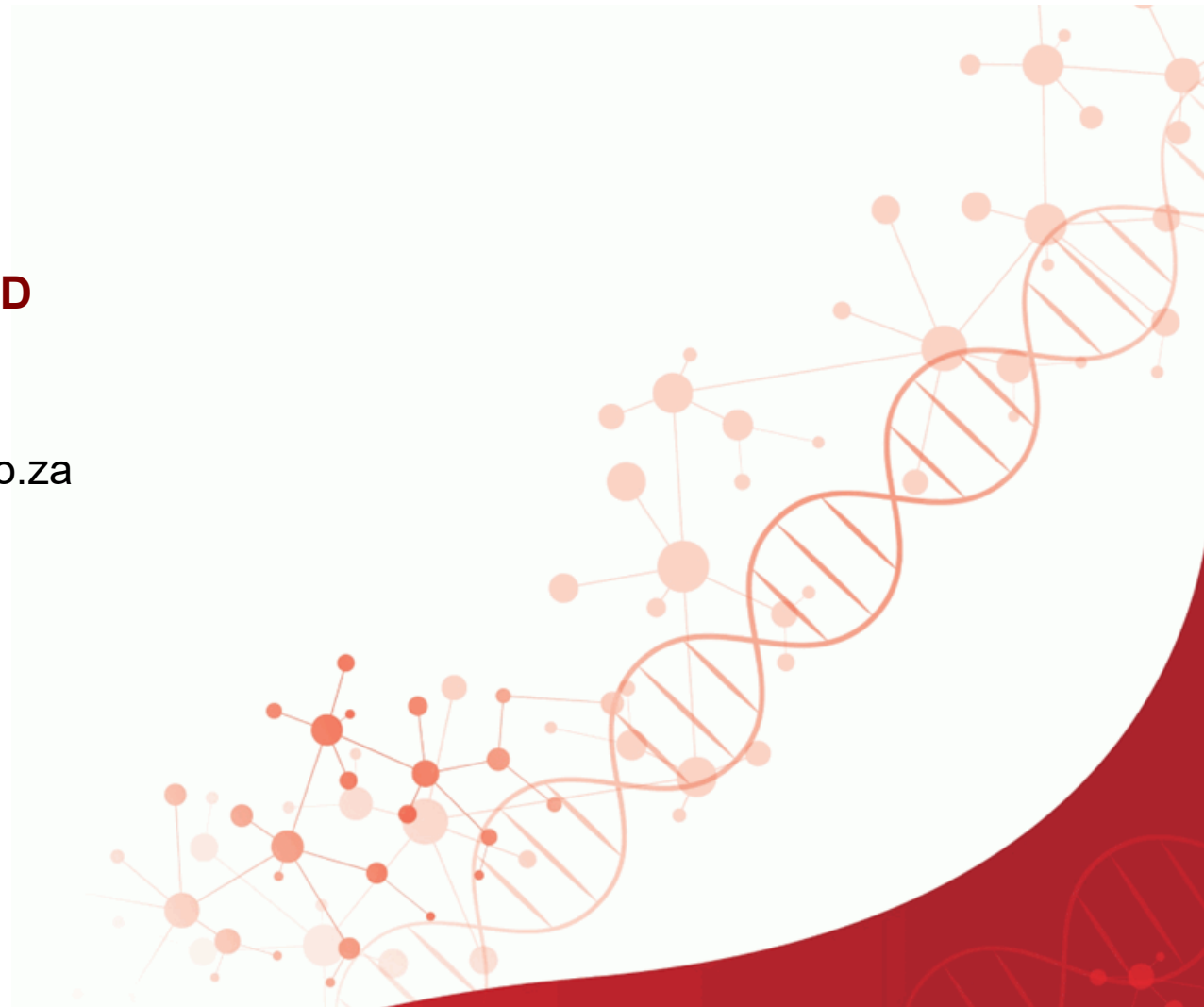
E-mail: thabani.nxumalo@webmail.co.za



**WAGYU
SOCIETY**
OF SOUTH AFRICA



**CERTIFICATE
OF QUALITY**
Valid up to
October 2029



Notes

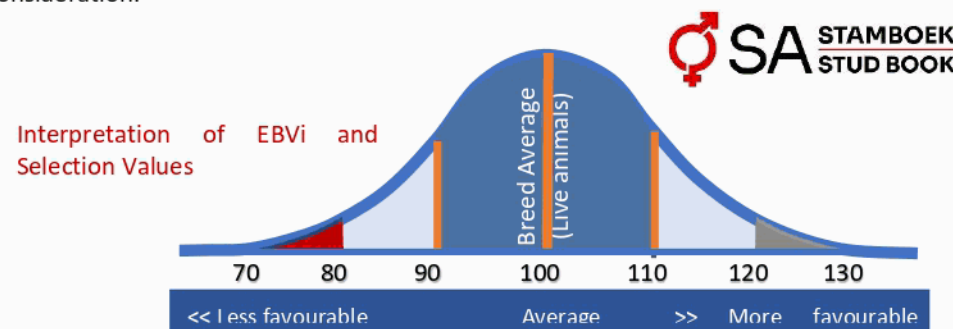
GEBVi (GEBVindex): The average GEBVi of all the live animals in the breed is 100, and all EBVi values are expressed relative to this value. Values above 100 are mostly in a more desirable direction. Note that a very high index is not always desirable. For certain traits, such as birth weight, average values may be better. It is the top value in the list.

GEBV (Genomic 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. It is the middle value in the list and not available for selection values.

Accuracy: This value gives an indication of how much information was available for breeding value estimation. It is the bottom value in the list.

Selection values combine similar breeding values in a scientific manner to simplify the selection of animals. For example, HF (Heifer Fertility), CF (Cow Fertility) and Longevity are

combined to form the Fertility Value by taking the heritability and economic importance in consideration.

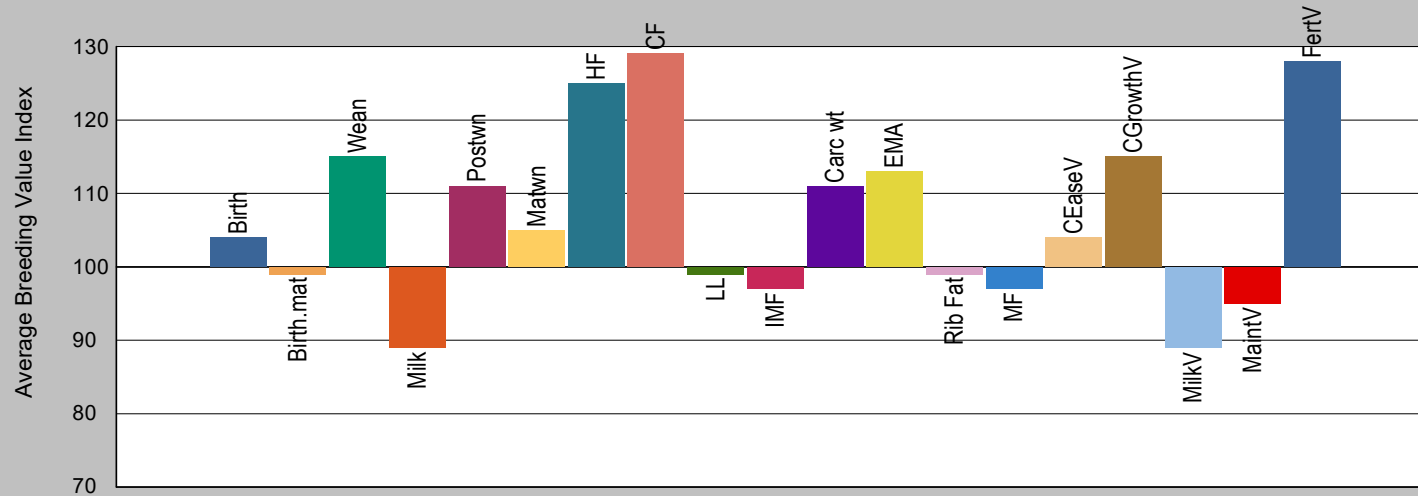


* Depending on selection goal

GEBVi		Description / Measurement	Goal		General Guidelines*					
					80	90	100	110	120	
Selection V.	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 & Calf	Birth weight direct	Birth weight (Calf's genetic ability)	Average birth weight	Heavy						Light
	Birth weight mat	Birth weight (Dam's genetic ability)	Easy calving	Heavy						Light
	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
	Post-wean weight	Combination of EBVs for 12 and 18 month weights	Mature weight	Light				*	*	Heavy
	Mature Cow Weight	Cow weight at weaning of first three calves	Mature cow weight	Light				*	*	Heavy
Ferti.	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
Carcass	IMF	Intra-muscular-fat, Marbling	High quality carcass	Less						More
	Carcass weight	Weight of the carcass	High quality carcass	Light						Heavy
	EMA	Eye-muscle-area at the 12/13th rib of the dressed carcass	High quality carcass	Small						Large
	Rib Fat	Rib fat depth at the 12/13th rib of the dressed carcass	High quality carcass	Thin						Thick
	Marbling Fineness	Degree of fineness of marbling fat	High quality carcass	Low						High

Herd and Breed Averages

Number 19



Breeding Values (EBV):

Birth: Birth weight
Wean: Weaning weight
Birth.mat: Birth mat
Milk: Milk
Postwn: Postwean weight
Matwt: Mature weight
HF: Heifer Fertility
CF: Cow Fertility
LL: Longevity
IMF: Marbling
Carcwt: Carcass wt
EMA: Eye muscle area
RibFatt: Rib Fat thickness
MF: Marbling Fineness

Selection values:

CEaseV: Calving Ease Value
CGrowthV: Calf Growth Value
MilkV: Milk Value
MaintV: Maintenance Value
FertV: Fertility Value

	Trait	EBV Herd	EBV Index	EBV Breed
Prewrite growth	Birth Weight	0.81	104	1.23
	Wean Weight	8.9	115	2.9
	Birth Mat.	-0.34	99	-0.38
	Milk (Wn.Mat.)	3.0	89	8.7
Postwean growth	Postwean wt	14.2	111	6.4
	Mature weight	13	105	6
	Heifer Fertility	-17.1	125	-2.9
Fertility	Cow Fertility	-4.7	129	0.5
	Longevity	4.9	99	5.2
Carcass	IMF	0.4	97	0.8
	Carcass weight	8.5	111	0.8
	EMA	2.8	113	0.8
	Rib Fat	-0.2	99	-0.1
	MF	-0.9	97	-0.5

Selection Value	Herd Avg
Calving Ease Value	104
Calf Growth Value	115
Milk Value	89
Maintenance Value	95
Fertility Value	128

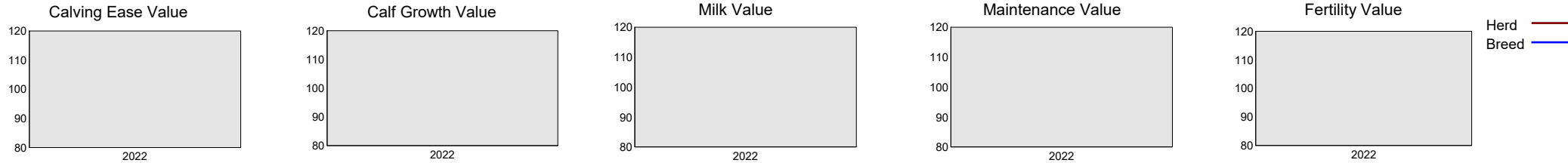
- Average of live animals in the breed: 100
- Above 100: **more favourable**,
- Below 100: **less favourable**

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 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.



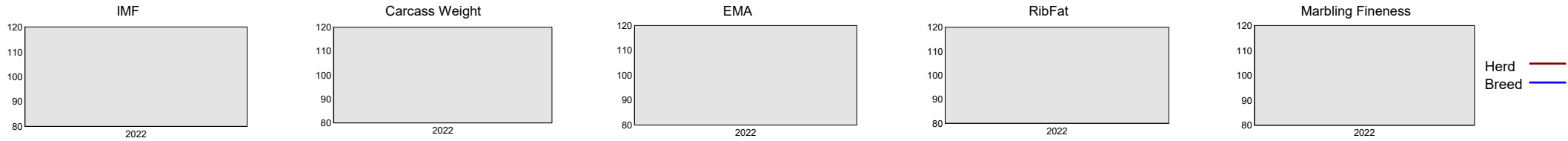
Herd

Birth Year	Calving Ease				Calf Growth			Milk		Maintenance				Fertility							
	Birth Weight		Mat	Calv. Ease	Weaning Weight		Calf Growth	Milk (Wn.Mat.)		Postwean Weight		Mature Weight		Mainte- nance	Heifer Fert.		Cow Fert.		Longevity		Ferti- lity
	Number	EBV			Number	EBV		Number	EBV	Number	EBV	Number	EBV		Number	EBV	Number	EBV	Number	EBV	
2022																					

Breed

Birth Year	Calving Ease				Calf Growth			Milk			Maintenance						Fertility							
	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	Number	EBV	Number	EBV		Number	EBV	Number	EBV	Number	EBV		Number	EBV	
2016	667	0.14	0.06	106	280	0.5	94	280	6.43	96	213	2.7	17	-11	110	777	-1.4	388	-0.8	6318	-0.5	102		
2017	787	0.41	0.21	102	405	0.6	94	405	3.76	91	309	0.1	33	-9	111	791	-1.9	308	-0.6	10308	-0.4	102		
2018	1180	0.44	0.12	103	815	-1.4	89	815	2.45	88	823	-0.9	19	-23	113	665	-4.6	407	-1.0	9232	2.0	106		
2019	1379	0.55	0.15	102	901	0.1	93	901	1.30	86	896	0.6	27	-30	112	1006	-2.8	469	-0.6	11910	1.7	103		
2020	2115	0.65	-0.03	102	556	2.3	98	556	7.29	97	273	6.2	24	-7	103	665	-4.3	269	-1.0	11395	1.2	106		
2021	2374	0.55	-0.10	103	589	0.4	94	589	4.13	91	253	0.2	19	-6	112	405	-6.0	158	-1.5	9292	1.5	108		
2022	2062	0.42	-0.18	105	461	2.0	98	461	1.65	87	246	2.4	15	15	110	306	-2.8	72	-0.6	4200	2.1	103		
2023	1637	0.34	-0.31	107	461	2.0	98	461	1.21	86	160	2.0	5	-3	111	121	-6.6	11	-0.6			110		
2024	1413	0.39	-0.30	107	311	2.5	99	311	1.86	87	36	14.0			97	15	-2.4					101		
2025	1478	0.37	-0.14	106	386	2.5	99	386	0.24	84														
2026	307	0.25	-0.03	106																				

Genetic Trends for Carcass Traits



Herd

Birth Year	Carcass														
	IMF			Carcass weight			EMA			RibFat			Marble Fineness		
	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi
2022															

Breed

Birth Year	Carcass														
	IMF			Carcass weight			EMA			Rib Fat			Marble Fineness		
	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi	Number	EBV	EBVi
2013	17	0.6	99	776	-0.1	99	361	0.8	100	346	0.2	103	5	-4.6	74
2014	16	-1.0	86	541	-3.8	94	301	1.7	106	269	-0.1	100	4	0.0	103
2015	36	-0.5	90	589	-7.1	89	548	1.0	102	520	-0.1	100	6	0.3	105
2016	124	-0.8	87	588	-0.3	98	322	0.1	96	211	0.3	105	5	2.1	117
2017	732	-0.4	90	1244	-0.2	99	1116	0.1	95	272	0.0	102	17	0.3	105
2018	1946	0.0	94	1969	0.0	99	1940	0.0	95	87	0.0	101	22	0.0	103
2019	2812	0.3	96	2823	-1.3	97	2753	0.8	100	212	-0.5	96	61	0.4	106
2020	4627	0.7	99	4682	-0.6	98	4656	0.5	98	713	-0.3	98	92	-1.2	95
2021	3444	0.9	101	3606	-0.3	98	3596	0.6	99	3275	-0.2	99	531	-0.6	99
2022	3277	1.0	101	3324	-0.9	98	3275	0.4	97	3191	-0.3	97	2749	-1.0	97
2023	1839	1.1	103	1845	1.3	101	1836	0.6	99	1795	0.0	101	1841	-1.0	96
2024	17	-0.6	89	17	1.3	101	17	0.5	98	16	-0.5	96	17	0.1	103

WAGYU Sires

Sire			Growth					Carcass					Stats					
ID	Parentage	Sire ID	Birth weight	Wean weight	12 mnth weight	18 mnth weight	Mature weight	Milk	IMF	Carcass weight	EMA	Rib Fat	Marble Fineness	Herds	Progeny	Daughters with calves	Active 2yrs & older	Carcasses
Name	Gen. DNA	Dam ID																
AKAUSHI																		
BB 150116		C0402	55	149	147	142	137	79	120	131	151	69	42	6	173	24	29	38
FB		OHVFA0045	5.57	22.6	35.5	40.4	60	-2.5	3.3	22.5	8.7	-3.0	-9.6					
BB15-116				96%	91%	92%	92%	88%	88%	93%	93%	92%	90%					
JAPANESE BLACK																		
EPW 180013		DSAFJ2895	118	65	64	69	57	81	123	90	125	96	86	3	22		11	1
FB		JR 150009	-0.54	-11.1	-16.2	-16.8	-55	-1.1	3.8	-6.1	4.7	-0.5	-2.6					
EMBRIO PLUS EPW180013				91%	91%	90%	90%	90%	90%	91%	91%	91%	91%					
LP 180001		FB2892	92	114	111	113	98	81	95	79	106	94	112	2	43	4	12	
FB		FB21534	1.99	8.6	12.8	18.0	3	-1.2	0.2	-14.0	1.7	-0.6	1.4					
LP HERCULES				92%	90%	88%	88%	84%	85%	85%	86%	85%	86%					
PMGFL0004		ADBFA0139	124	86	79	82	74	68	137	55	115	56	79	13	57	16	19	3
FB		PMGFG0059	-1.05	-2.7	-7.3	-6.8	-32	-8.3	5.5	-31.1	3.2	-4.3	-3.9					
PEPPERMILL GROVE L0004 (AI)				82%	54%	75%	63%	47%	50%	77%	76%	71%	71%					
SMOFF0154		IMUFM1615	105	85	78	74	84	61	138	104	94	116	98	33	285	101	126	20
FB		SMOFC0016	0.73	-3.1	-7.4	-13.2	-17	-12.0	5.7	3.6	-0.2	1.4	-0.8					
SUMO CATTLE CO MICHIFUKU F154 (AI)				99%	98%	98%	98%	98%	98%	99%	99%	98%	98%					

WAGYU Dams

Dam				Growth						Carcass					Stats				
ID	Parentage		Sire ID	Gen. DNA	Birth weight	Wean weight	12 mnth weight	18 mnth weight	Mature weight	Milk	IMF	Carcass weight	EMA	Rib Fat	Marble Fineness	Herds	Progeny	Active 2yrs & older	Carcasses
Name			Dam ID																
JAPANESE BLACK																			
AW 160008			FB8092		121	95	89	91	85	72	87	99	106	90	109	1	12	2	
PBD			BA 110524		-0.77	1.0	-0.5	0.1	-15	-6.4	-0.9	-0.2	1.7	-1.0	1.0				
ABSOLUTE GENETIC AW160008					52%	30%	28%	27%	24%	29%	46%	47%	44%	44%	31%				
KSOFJ0068			IMUFQTF147		114	115	105	107	97	77	75	115	101	100	117	1	2	1	
FB			KSOFC0007		-0.15	9.1	9.4	13.2	2	-3.3	-2.4	11.2	0.9	-0.1	2.3				
OASIS MORIYAMA J68					61%	56%	56%	56%	49%	52%	53%	58%	55%	55%	37%				
LP 180002			WKSFS0100		147	72	67	69	67	75	126	77	122	78	85	2	5	2	
FB			FB21541		-3.31	-8.5	-14.4	-16.6	-41	-4.5	4.1	-15.2	4.2	-2.2	-2.8				
LP ADA					55%	46%	62%	61%	17%	48%	38%	48%	44%	44%	24%				

WAGYU Bulls

Inbreeding >6% is high				<75	75 - 125	>125	Breeding values with an accuracy < 5% are not printed															
Bull				Selection Value					Calf weight		Mother		Growth		Fertility			Carcass				
ID	%Inbreeding	Parentage		Calving Ease Value	Calf Growth Value	Milk Value	Maintenance Value	Fertility Value	Birth Weight	Wean Weight	Birth Mat.	Milk (Wn.Mat.)	Postwean Weight	Mature Weight	Heifer Fertility	Cow Fertility	Longevity	IMF	Carcass Weight	EMA	Rib Fat	Marbling Fineness
		Genomic	Sire ID																			
JAPANESE BLACK																						
CWJ 190115	5		PMGFL0004	101	133	65	93	149	141	133	91	65	122	107	150	150	111	81	109	103	100	120
FB			KSOFJ0068						-2.72	16.4	-0.03	-9.6	21.8	16	-31.9	-8.6	10.0	-1.6	7.3	1.2	-0.1	2.7
CRADLE CWJ190115				54%	39%	36 %	34%	32%	56 %	39 %	48%	36%	44%	34%	40%	24%	64 %	47 %	48 %	45 %	45 %	34 %

WAGYU Cows

Inbreeding >6% is high					<75	75 - 125	>125	Breeding values with an accuracy < 5% are not printed															
Cow					Selection Values					Kalf gewig		Moeder		Groeï		Vrugbaarheid			Karkas				
ID	%Inbreeding	Parentage		Sire ID	Calving Ease Value	Calf Growth Value	Milk Value	Maintenance Value	Fertility Value	Birth Weight	Wean Weight	Birth Mat.	Milk (Wn.Mat.)	Postwean Weight	Mature Weight	Heifer Fertility	Cow Fertility	Longevity	IMF	Carcass Weight	EMA	Rib Fat	Marbling Fineness
Name		Genomic DNA	Dam ID																				
JAPANESE BLACK																							
DLB 190043	5			SMOFF0154	119	90	66	115	107	113	90	112	66	83	85	96	116	106	113	101	100	103	104
PBD				AW 160008	53 %	44 %	42 %	40 %	38 %	-0.02	-1.0	-0.85	-9.2	-5.7	-16	-0.3	-2.3	7.6	2.4	1.7	0.8	0.2	0.1
XW DE LA BLANC DE LA BLANC DLB190043										54 %	44 %	50 %	42 %	45 %	40%	47%	28%	55 %	51 %	52 %	49 %	50 %	44 %
LP 200016	5			LP 180001	126	91	78	118	105	123	91	108	78	89	82	102	107	117	111	78	114	86	99
FB				LP 180002	56 %	45 %	32 %	15 %	24 %	-0.98	-0.5	-0.68	-2.8	-1.3	-19	-4.1	-0.7	12.5	2.1	-14.6	3.0	-1.4	-0.7
EUREKA PRISCILLA										62 %	45 %	35 %	32 %	46 %	15%	33%	15%	49 %	29 %	35 %	32 %	33 %	20 %
LN 220004				BB 150116	78	148	92	67	148	80	148	96	92	139	133	150	144	107	99	126	122	97	82
F1					79 %	77 %	75 %	75 %	76 %	3.14	22.3	-0.22	4.4	33.8	53	-31.9	-7.4	8.1	0.7	18.9	4.2	-0.4	-3.4
ITHEMBA LN220004										79 %	77 %	77 %	75 %	77 %	75%	77%	75%	78 %	78 %	78 %	77 %	77 %	75 %
LN 220008				BB 150116	78	147	91	66	148	80	147	95	91	138	134	150	145	106	102	134	129	97	76
F1					79 %	78 %	76 %	76 %	76 %	3.16	21.7	-0.20	3.8	33.3	54	-31.9	-7.6	7.8	1.1	24.5	5.2	-0.4	-4.3
ITHEMBA LN220008										79 %	78 %	77 %	76 %	78 %	76%	77%	75%	78 %	78 %	78 %	78 %	77 %	76 %
LN 220022				EPW 180013	115	100	93	108	123	110	100	104	93	100	92	116	126	97	94	87	110	102	115
F1					78 %	77 %	77 %	77 %	77 %	0.22	3.0	-0.52	4.9	6.3	-6	-12.3	-4.1	3.8	0.0	-8.6	2.3	0.1	1.9
ITHEMBA LN220022										78 %	77 %	77 %	77 %	77 %	77%	77%	77%	78 %	77 %	77 %	77 %	77 %	77 %
LN 220025				EPW 180013	107	105	92	104	122	105	105	96	92	105	96	113	126	88	93	103	115	97	103
F1					77 %	77 %	77 %	76 %	76 %	0.74	4.8	-0.23	4.6	9.7	1	-10.5	-4.3	0.0	-0.1	2.6	3.1	-0.4	0.0
ITHEMBA LN220025										77 %	77 %	77 %	77 %	77 %	76%	77%	76%	78 %	77 %	77 %	77 %	77 %	76 %
LN 220027				EPW 180013	113	102	94	109	119	111	102	95	94	102	91	115	120	97	92	105	113	105	109
F1					77 %	77 %	77 %	76 %	76 %	0.18	3.6	-0.21	5.3	7.8	-7	-11.7	-3.1	3.9	-0.3	4.4	2.8	0.4	0.9
ITHEMBA LN220027										77 %	77 %	77 %	77 %	76 %	76%	77%	76%	78 %	77 %	77 %	77 %	77 %	76 %
LN 220031				EPW 180013	120	95	93	108	119	116	95	101	93	96	92	113	121	93	97	108	114	104	101
F1					77 %	76 %	76 %	76 %	76 %	-0.29	1.0	-0.43	4.8	3.6	-6	-10.6	-3.4	2.1	0.4	6.2	2.9	0.2	-0.3
ITHEMBA LN220031										77 %	76 %	76 %	76 %	76 %	76%	76%	76%	78 %	76 %	77 %	76 %	76 %	76 %
LN 220032				BB 150116	75	148	92	64	148	78	149	94	92	142	136	150	144	103	93	125	121	85	78
F1					79 %	77 %	76 %	76 %	76 %	3.39	22.6	-0.15	4.5	35.7	57	-31.9	-7.5	6.6	-0.1	18.8	4.1	-1.6	-3.9
ITHEMBA LN220032										79 %	77 %	77 %	76 %	78 %	76%	77%	75%	78 %	78 %	78 %	78 %	77 %	76 %



CWB

BREEDING VALUE REPORT

September 2026



ITHEMBELIHLE GROUP (PTY) LTD

Herd Number: 8666499

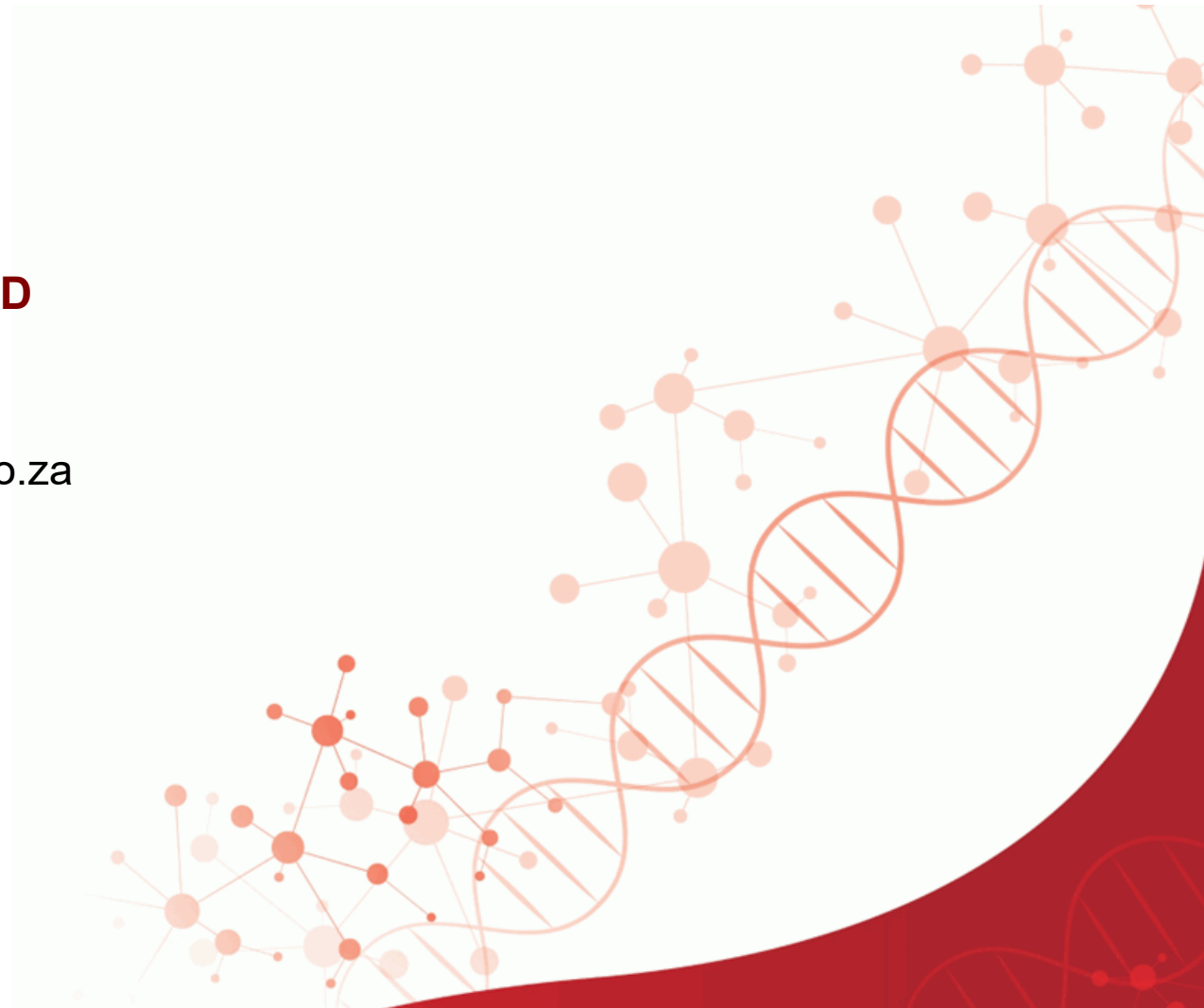
E-mail: thabani.nxumalo@webmail.co.za



**WAGYU
SOCIETY**
OF SOUTH AFRICA



CERTIFICATE
OF QUALITY
Valid up to
October 2029



CWB Dams

Dam			Growth					Carcass					Stats				
ID	Parentage	Sire ID	Birth weight	Wean weight	12 mnth weight	18 mnth weight	Mature weight	Milk	IMF	Carcass weight	EMA	Rib Fat	Marble Fineness	Herds	Progeny	Active 2yrs & older	Carcasses
Name	Gen. DNA	Dam ID															
JAPANESE BLACK																	
AW 160008		FB8092	121	95	89	91	85	72	87	99	106	90	109	1	12	2	
PBD		BA 110524	-0.77	1.0	-0.5	0.1	-15	-6.4	-0.9	-0.2	1.7	-1.0	1.0				
ABSOLUTE GENETIC AW160008			52%	30%	28%	27%	24%	29%	46%	47%	44%	44%	31%				
KSOFJ0068		IMUFQTF147	114	115	105	107	97	77	75	115	101	100	117	1	2	1	
FB		KSOFC0007	-0.15	9.1	9.4	13.2	2	-3.3	-2.4	11.2	0.9	-0.1	2.3				
OASIS MORIYAMA J68			61%	56%	56%	56%	49%	52%	53%	58%	55%	55%	37%				
LP 180002		WKSFS0100	147	72	67	69	67	75	126	77	122	78	85	2	5	2	
FB		FB21541	-3.31	-8.5	-14.4	-16.6	-41	-4.5	4.1	-15.2	4.2	-2.2	-2.8				
LP ADA			55%	46%	62%	61%	17%	48%	38%	48%	44%	44%	24%				

CWB Bulls

Inbreeding >6% is high

<75 75 - 125 >125

Breeding values with an accuracy < 5% are not printed

Bull					Selection Value					Calf weight		Mother		Growth		Fertility			Carcass				
ID	%Inbreeding	Parentage			Calving Ease Value	Calf Growth Value	Milk Value	Maintenance Value	Fertility Value	Birth Weight	Wean Weight	Birth Mat.	Milk (Wn.Mat.)	Postwean Weight	Mature Weight	Heifer Fertility	Cow Fertility	Longevity	IMF	Carcass Weight	EMA	Rib Fat	Marbling Fineness
		Genomic	DNA	Sire ID																			
JAPANESE BLACK																							
CWBMLN 220007 F1					121	94	92	112	119	117	94	101	92	94	88	113	124	96	97	111	113	106	101
ITHEMBA LN220007					77%	76%	76 %	76%	76%	-0.38	0.6	-0.42	4.6	1.9	-10	-10.6	-3.5	3.5	0.4	8.8	2.8	0.5	-0.3
CWBMLN 220014 F1					115	95	94	109	114	113	95	94	94	96	91	110	117	89	98	106	108	107	103
ITHEMBA LN220014					77%	77%	76 %	76%	76%	0.01	0.8	-0.15	5.4	3.6	-7	-8.6	-2.4	0.5	0.5	5.3	2.0	0.5	0.0
CWBMLN 220015 F1					83	147	93	65	144	84	147	97	93	139	135	145	138	100	92	129	123	88	80
ITHEMBA LN220015					79%	77%	76 %	76%	76%	2.74	21.9	-0.26	5.2	33.9	56	-28.9	-6.8	5.1	-0.2	21.2	4.3	-1.2	-3.7
CWBMLN 220019 F1					119	101	94	110	120	114	101	103	94	101	90	114	124	93	92	107	104	105	107
ITHEMBA LN220019					77%	76%	76 %	76%	76%	-0.15	3.3	-0.50	5.8	7.1	-7	-10.8	-3.6	2.1	-0.2	5.6	1.5	0.4	0.7
CWBMLN 220020 F1					112	99	94	106	117	110	99	95	94	99	94	113	120	97	103	112	104	104	96
ITHEMBA LN220020					77%	76%	76 %	76%	76%	0.25	2.6	-0.19	5.8	6.0	-2	-10.2	-3.1	4.1	1.2	9.4	1.4	0.3	-1.1
CWBMLN 220026 F1					81	144	91	71	149	82	144	98	91	135	129	150	145	101	92	119	118	88	87
ITHEMBA LN220026					80%	78%	77 %	77%	77%	2.95	20.6	-0.33	4.0	31.1	48	-31.9	-8.2	5.5	-0.3	14.5	3.6	-1.3	-2.5
CWBMLN 220028 F1					116	96	96	109	115	114	96	96	96	97	91	110	120	95	99	117	108	114	103
ITHEMBA LN220028					77%	76%	76 %	76%	76%	-0.08	1.2	-0.23	6.7	4.4	-6	-8.9	-2.6	2.9	0.7	12.6	2.0	1.3	-0.1
CWBMLN 220030 F1					115	102	91	108	111	110	102	104	91	99	92	106	116	88	96	104	114	105	105
ITHEMBA LN220030					77%	76%	76 %	76%	76%	0.26	3.6	-0.54	3.9	6.0	-5	-6.1	-2.1	-0.1	0.3	3.3	3.0	0.4	0.4
CWBMLN 220033 F1					82	144	93	70	148	83	144	97	93	135	130	150	142	106	94	127	121	91	83
ITHEMBA LN220033					79%	78%	76 %	76%	76%	2.86	20.6	-0.28	4.9	30.9	49	-31.7	-7.5	7.7	0.0	19.7	4.0	-1.0	-3.2

