

2022 Edition

Ministry of Agriculture

Bull Directory





Vision

A prosperous and globally competitive agricultural sector

Mission

Improve Food Security

Values

These are guiding principles, beliefs which the Ministry of Agriculture cherishes and commits to live by.

Botho

We treat our customers in a respectable and caring manner.

Customer Focused

Our customers are the focus of everything we do by being courteous, caring, compassionate, tolerant and empathetic.

Integrity

We foster a culture of transparency, accountability and dependability.

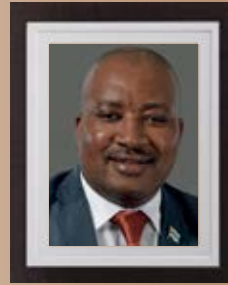
Team Work

We recognize the need to work as a team characterized by collective effort, trust, understanding, support and perseverance irrespective of rank or gender.

Innovative

We commit to employ new ideas and being proactive in order to match the requirements of the future.

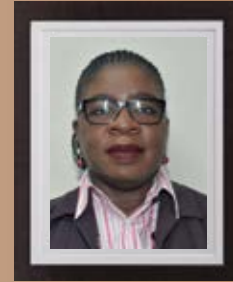
MOA EXECUTIVE MEMBERS



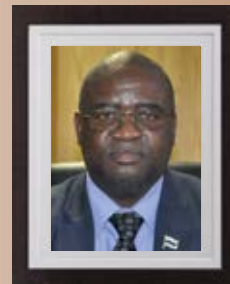
Hon. Fidelis M. Molao
Minister of Agriculture



Hon. Molebatsi S. Molebatsi
Assistant Minister of Agriculture



Ms Nancy N. Chengeta
Permanent Secretary



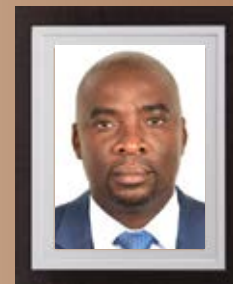
Mr Thabang Botshoma
Deputy Permanent Secretary
(Support Services)



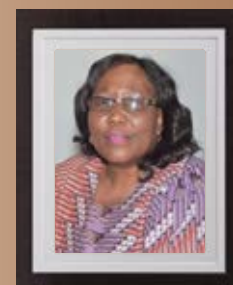
Ms Tiny Deswai
Deputy Permanent Secretary
(Corporate Services)



MD Ghulam Kibria
Deputy Permanent Secretary
(Aquaculture and Fisheries)



Mr Joshua J. Moloi
Ag. Deputy Permanent Secretary
(Technical Services)



Ms Gaolatlhe J. Kapele
Director of Animal Production

FOREWORD

I am both honoured and privileged to present the 2022/2023 Bull Directory to you, for beef and dairy cattle breeds. I am particularly pleased because this is the first bull directory we have produced after the introduction of the Revised Artificial Insemination (AI) programme that will be leveraging on the use of technology. The directory is a catalogue of genetically superior bulls that were carefully selected based on their pedigree information and performance records (Estimated Breeding Values (EBVs) and Estimated Progeny Differences (EPDs) for production traits) thereby showing their breed purity and genetic superiority/merit.

My Ministry has over the years been implementing the conventional AI programme that has not achieved desired results. Following the RESET Agenda, the Artificial Insemination programme has been identified as an inflection point to drive the Ministry's goal of increasing the national herd and improving its genetic merit. My Ministry has therefore adopted the use of technology in pregnancy detection and oestrous synchronization to maximise the utilization of the AI programme for both On-Farm and Static AI (where farmers take their cattle to government Artificial Insemination camps).

In line with the Reset Agenda Pillar No. 3 of Digitalization, the Revised AI Programme will capitalise on the use of technology to improve efficiency and also to have significant contribution towards livestock development in Botswana. The use of technology will also help to unlock

opportunities in the global market space for Botswana. The Bull Directory offers a farmer a variety of breed choices of both local and foreign breeds. It is my hope that the investment that the Botswana Government has put in this initiative will bring desired results aimed at increasing the national herd and its quality which is in line with the National Vision 2036 of achieving prosperity for all.

Improved genetics are constantly required for improving animal productivity from efficient utilisation of natural resources that are also facing increasing pressure from a growing human population and industrial development. This calls for cattle producers to take a greater responsibility in the management of rangelands and use of best genetics.

I therefore, wish to invite and implore all livestock farmers in this country to embrace modern technologies such as artificial insemination and other assisted reproductive techniques as a way of improving their livestock and henceforth contributing meaningfully to the mission of the Ministry of Agriculture of improving food security through a prosperous and globally competitive agricultural sector.

I thank you.



Hon. Fidelis M. Molao
Minister of Agriculture

BULL SELECTION

Background:

Herd bulls are one of the most important aspects of the breeding herd because without a bull, cows (and heifers) cannot produce calves. Selecting a good herd bull is based on many factors, including the goal to improve your herd if you wish to keep replacement females.

Factors to Consider:

Identify the type of bull you wish to have based on its breed. There are three types of bulls that you must decide between:

Terminal - a bull that is used to increase weights and growth in calves, and is used only if you wish to sell all of your calves as feeders.

Maternal - a bull that is used for producing replacements. The qualities of this type of bull should be less on increasing weights and growth and more on improving the quality of your herd in terms of mothering ability, milking ability, calving ease, and calf vigor.

Rotational - a bull that is suitable both as one for maternal traits and for producing calves for the meat market. Also one that can be used for cross-breeding.

Decide what breed of bull you wish to buy. It is best to buy a purebred bull instead of a cross-bred one because you have a higher chance of getting a more uniform calf herd than one that seems to be all over the map.

- Adaptability; Fertility; Growth; Feed Conversion Ratio (FCR); Mothering Ability

Structural Soundness

Structural soundness and conformation is an important factor because the bull must be physically able to service cows during breeding. Therefore sound feet and legs, particularly hind legs, are critical for a long service life of the bull.

Performance Records/Pedigree

If the bull is purchased through a bull test sale, how well did he perform? What is the performance or record of the bull's siblings or half-siblings? This information can be gathered by examining his pedigree.

Expected Progeny Differences

Expected Progeny Differences (EPD) predicts the differences expected in performance of future progeny of two or more sires of the same breed when mated to animals of the same genetic potential. It is important to

consider the cow's mature bodyweight and frame size and the desired calf characteristics when selecting a bull. The bull needs to compliment the cow herd to produce calves with a sensible frame size and still maintain acceptable growth attributes and carcass characteristics.

Breed type

Is an important consideration for the bull and the resulting mating with the cow herd. One way to produce heavier calves with improved carcass traits is through hybrid vigor. Hybrid vigor is the increased performance or expression of a trait that results from cross-breeding. The F1 (Brahman x Angus) cows mated to a terminal sire-type bull are the most productive cattle breeding programs in terms of cattle reproduction and calf weaning weight.

Bull Age (years)	Bull:Cow Ratio
2.5	1:15-20
3	1:30-35
With proper management of the bull	1:35 - 40

Bull: Cow Ratio

SUPPLEMENTARY FEEDING OF LIVESTOCK

Introduction:

Botswana's Agriculture is dominated by the livestock production, which accounts for about 80% of the sector's Gross Domestic Product (GDP). Within the livestock sector, the beef industry is a major sector both in terms of output and employment. In Botswana there are two beef production systems, the traditional system, which accounts for over 80% of the national herd and the commercial system, which accounts for 20%. In the traditional system animals are kept in open rangelands with no defined property rights while in the commercial sector animals are kept in fenced ranches. However, both types of beef production systems are extensive in that over 90% of the feed requirements are provided from natural grazing with limited supplements during the dry season when the nutritional values of forages deteriorate. Each day when animals are fed or grazing, they are taking in nutrients (energy, protein, minerals etc.) that are vital in animal growth and reproduction. If the animals are provided with a balanced ration at the correct proportions at an economical level, the desired results should be obtained. If

shortages occur with any required nutrient then metabolic diseases are likely to occur. Different animal types have different nutritional requirements. Older animals need energy for maintenance and production while young animals need more energy for growth. Therefore, animals have different nutritional needs.

Major Components of Feeds

- Energy; Protein; Minerals; Vitamins; Water

Importance of Minerals:

Skeletal development; Constituents of fat and protein that make up muscles; Enzyme systems; maintaining osmotic pressure

Minerals most likely to be deficient in Livestock rations

- Calcium; Phosphorus; Magnesium; Sodium; Zinc; Iron

Mineral Deficiencies

- **Calcium** deficiency results in rickets in young animals (poor bone development); Pica (chewing bones, rocks, plastics) due to phosphorus deficiency;
- **Manganese** deficiency; weakness and poor balance in swine, abortions and stillbirths
- **Copper** deficiency; reduced growth rate, rough hair coat, reduced fertility, fragile bones
- **Selenium** toxicity results in elongated hooves/sloughing of hoof
- **Iodine** calves born weak, low conception rate, decreased libido and semen quality in bulls
- **Iron** reduced feed intake, reduced weight gain
- **Zinc** reduced weight gain, milk production and reduced reproductive performance

Vitamin Deficiencies

- Vitamin A: Blindness in calves
- Vitamin B6: Curled toe, paralysis of extremities in broilers
- Vitamin E: Crazy chick disease

Factors affecting Nutrient Requirements of animals

- Physiological status of the animal
- Age
- Sex of the animal
- Size of the animal (body structure)
- Environmental conditions

Feeding your animals

- Energy and protein are the most limiting nutrients in animal production and as such livestock feeds should have them in correct proportions for better animal performance.
- Energy is yielded from the oxidation of carbohydrates, proteins and lipids components of the feed.
- It is used for the basic maintenance of normal body processes such as muscle movements, digestion and respiration, renewal of worn-out tissues and for reproduction.

Proper Supplementary Feeding

Feeding animals will always be expensive. There are a variety of feed supplements available in the markets;

- Dicalcium Phosphate (DCP)
- Mineral Blocks
- Beef finisher (TMR)
- Drought Pellets
- High Protein concentrates (HPC 50%)
- Maize, Sorghum, Millet straw with Molasses meal

Fodder Crops:

Fodder Crops	Species	Water Requirement	Seeding rate kg/ha	Growth	Yield ton/ha	Relative Nutritive Value
C. Ciliaris (Buffel grass)	Grass	Rain Fed	5	60-100cm	10	
Lab-Lab Purpureus	Legume	Rain Fed	12		5.4	CP:14-21%;
Nappier Grass	Grass	Rain Fed; Irrigation		1-1.2m	15	CP: 9%
Lucerne	Legume	Purely Irrigation	15kg	70cm		CP:16%

Harvesting

Cutting should be every 6 – 8 weeks

Older plants will give higher yield but of low quality.

BODY CONDITION SCORING (BCS) A PRODUCTION TOOL TO MAXIMISE HERD FERTILITY

Body condition scoring (BCS) is a useful management tool for distinguishing differences in nutritional needs of cows in the herd. It is a system that the farmer can use during every state of production for his cows. This system uses a numeric scoring to estimate the body's energy reserves.

Research indicates that there is a strong link between the body condition of a cow and her reproductive performance. The percentage of cows not pregnant, calving interval, and calf robustness at birth are all closely related to the body condition of cows both at calving and during the breeding season. All these factors play an important role in the economics of a beef cow-calf operation and help determine the percentage of viable calves each year. Monitoring body condition using the BCS system is an important managerial tool for assessing production efficiency.

Systems of BCS

Body condition scores are numbers used to estimate energy reserves in the form of fat and muscle of beef cows. BCS ranges from 1 to 9, with a score of 1 being extremely thin and 9 being very obese. Areas such as the back, tail head, pins, hooks, ribs, and brisket of beef cattle can be used to determine BCS. Body condition scores are excellent indicators of the nutritional status in beef cows. Ideal live-weight varies from cow to cow whereas ideal body condition (BCS 5/9-6/9) is the same for all cows, and can be measured in the pastures or kraal without gathering or working cattle.

Visual indicators of BCS

1. A cow in 'thin' condition (BCS 1-3) is angular and bony with minimal fat over the backbone, ribs, hooks, and pins, and no visible fat around the tail head or brisket. These cows will have low milk production, fertility challenges, and are susceptible to diseases.
2. A cow in 'ideal' condition (BCS 4-5) has a good overall



appearance. A cow with a BCS of 5 has visible hips, although there is some fat over the hooks and pins and the backbone is no longer visible. Ideal for Breeding, calving, and milk production for the calf.



- Cows with BCS of 6 or 7 become fleshy and the ribs are no longer visible. There is also fat around the tail head and in the brisket. These cows are at the far end of the ideal BCS, they should not be provided with supplement feed.



- An over-conditioned cow (BCS 8-9) is smooth and boxy with bone structure hidden from sight or touch. She may have large protruding fat deposits (pones) around the tail head and on the pin bones.



Note: Cows should be palpated over the back, ribs, and over the horizontal processes of the backbone (edge of loin). ‘Thin’ cows will have a sharper feel in these areas than cows with moderate or fat body conditions.

Breed Difference:

It is important to be aware that the breed of beef cow can have a strong influence on where body fat is deposited. For example, *Bos taurus* breeds and crossbreeds will show a more uniform distribution of fat across the ribs, whereas *Bos indicus* cattle may have very little fat over the ribs but will deposit fat over the hooks and pin bones.

Body Condition throughout Production cycle:

On average, most beef cows score in the range of 3 to 7 throughout the year. A cow is expected to be in optimal body condition (BCS 5-7) before calving. She may lose condition after calving and possibly into the breeding season. She may gain condition and weight as weaning approaches (assuming there is adequate forage) and continue gaining fetal weight and any needed body condition in late gestation.

Body condition should be evaluated and recorded during the important managerial activities: at weaning, 60-90 days before calving, and at calving. By assigning BCS scores at the time of weaning, the cows can be **sorted** for appropriate feeding. Grouping cows by feed requirements and feeding them accordingly can help each of them reach BCS 5-7 by calving. Scoring cows 60-90 days before calving allows you to evaluate your dry cow nutritional program while allowing enough time prior to calving for “emergency feeding” if needed. Although body condition should be evaluated at calving, it may be difficult to increase body condition since lactation requires most of the energy a cow consumes.

Reference:

- Dan E. Eversole, Extension Animal Scientist; Milyssa F. Browne, Graduate Student; John B. Hall, Animal Scientist; and Richard E. Dietz, Graduate Student; Virginia Tech
- Beverly, J. R. 1985. Reproduction in beef cattle as related to nutrition and body condition. Kentucky roundup of reproductive efficiency in beef cattle. pp.1-12
- Selk, G. E., R. P. Wettemann, K. S. Lusby, and R. J. Rasby. 1986. The importance of body condition at calving on reproduction in beef cows. OSU Agric. Exp. Sta. Publ. 118:3163-3169.

BRAHMAN NOGE



Identification:	BBS98275
Sex:	Male
Birth Date:	06/12/1998
Computer Number:	41377698
HerdBook:	SP Inspection Date: 23/03/00
Status:	Inactive
Registration Status:	Registered
Breed:	BB 100.00
Sire:	GHAAP Z 18
Dam:	STARLING MANSO 93 223
Breeder:	BOSHOEK BRAHMAN STOET

AUGUST 2016 SOUTH AFRICAN BRAHMAN GROUP BREEDPLAN EBVS

SELECTION INDEX VALUES		
Market Target	Index Value	Breed Average
Rangeland Grazing Index (R)	+R 67	+R 93
Wean Index (R)	+R 28	+R 60
Feedlot Index (R)	+R 33	+R 63

	Gestation Length (days)	Birth Wt. (kg)	200 Day Wt (kg)	400 Day Wt (kg)	600 Day Wt (kg)	Mat Cow Wt (kg)	Milk (kg)	Scrotal Size (cm)	Carcase Wt (kg)	Eye Muscle Area (sq cm)	Rib Fat (mm)	Rump Fat (mm)	Retail Beef Yield (%)	IMF (%)
EBV	-	-	+8	+15	+20	-	+3	-	-	-	-	-	-	-
Acc	-	-	51%	51%	51%	-	48%	-	-	-	-	-	-	-
Breed Avg. EBVs for 2014 Born Calves														
EBV	-0.6	+1.5	+14	+23	+29	+29	+3	+0.7	+16	+0.3	+0.2	+0.2	+0.0	+0.0

BRAHMAN TANGANE



Identification:	WBS03164
Sex:	Male
Birth Date:	25/11/2003
Computer Number:	500343593
Type:	GREY
HerdBook:	SP Inspection Date: 24/08/05
Status:	Inactive
Registration Status:	Registered
Breed:	BB 100.00
Sire:	RIO REMINGTON MANSO 59
Dam:	WAYSIDE MISS SUVA MANSO 72
Breeder:	WAYSIDE BRAHMAN STUD

August 2016 South African Brahman GROUP BREEDPLAN EBVS

SELECTION INDEX VALUES		
Market Target	Index Value	Breed Average
Rangeland Grazing Index (R)	+R 122	+R 93
Wean Index (R)	+R 68	+R 60
Feedlot Index (R)	+R 63	+R 63

	Gestation Length (days)	Birth Wt. (kg)	200 Day Wt (kg)	400 Day Wt (kg)	600 Day Wt (kg)	Mat Cow Wt (kg)	Milk (kg)	Scrotal Size (cm)	Carcase Wt (kg)	Eye Muscle Area (sq cm)	Rib Fat (mm)	Rump Fat (mm)	Retail Beef Yield (%)	IMF (%)
EBV	-	+2.6	+21	+28	+42	-	+3	-	-	-	-	-	-	-
Acc	-	55%	53%	53%	54%	-	47%	-	-	-	-	-	-	-
Breed Avg. EBVs for 2014 Born Calves Click for Percentiles														
EBV	-0.6	+1.5	+14	+23	+29	+29	+3	+0.7	+16	+0.3	+0.2	+0.2	+0.0	+0.0

BRAHMAN MERAFFE

BREED	WHITE BRAHMAN DSD 5
Sex:	Male
Birth Date:	10/07/1990
Breeder:	J.C. DU TOIT



BRAHMAN BALOGI

Identification:	BOSR12159
Birth Date:	01/11/2012
Computer Number:	590170122
Type:	RED
Registration Status:	Registered
Breed:	BB 100.00
Sire:	CHER RED KING
Dam:	BOS-R VERNON 8
Breeder:	BW STAAL EDMS BPK
DNA Tested:	Parent Verified #d300734



August 2016 South African Brahman GROUP BREEDPLAN EBVS

SELECTION INDEX VALUES

Market Target	Index Value	Breed Average
Rangeland Grazing Index (R)	+R 72	+R 93
Wean Index (R)	+R 70	+R 60
Feedlot Index (R)	+R 69	+R 63

	Birth Wt. (kg)	200 Day Wt (kg)	400 Day Wt (kg)	600 Day Wt (kg)	Milk (kg)
EBV	+0.9	+11	+18	+19	+5
Acc	69%	55%	52%	50%	38%
Breed Avg. EBVs for 2014 Born Calves					
EBV	+1.5	+14	+23	+29	+3


BRAHMAN

LETSEBE

Identification:	SHL13101
Sex:	Male
Birth Date:	18/12/2013
Computer Number:	590320214
Type:	GREY
HerdBook:	SP
Status:	Active
Registration Status:	Registered
Sire:	HANAULA JDH
Dam:	HANAULA MISS KAYA
Breeder:	SHL BRAHMANE



August 2016 South African Brahman GROUP BREEDPLAN EBVS

SELECTION INDEX VALUES					
	Market Target	Index Value	Breed Average		
	Rangeland Grazing Index (R)	+R 185	+R 93		
	Wean Index (R)	+R 66	+R 60		
	Feedlot Index (R)	+R 102	+R 63		
	Birth Wt. (kg)	200 Day Wt (kg)	400 Day Wt (kg)	600 Day Wt (kg)	Milk (kg)
EBV	+1.9	+21	+37	+54	+2
Acc	64%	52%	50%	50%	36%
Breed Avg. EBVs for 2014 Born Calves					
EBV	+1.5	+14	+23	+29	+3

BRAHMAN

VICTOR

Breed	WHITE BRAHMAN
Bull No.	NLP 29
Sex:	Male
Birth Date:	12/07/1990
Average Daily Gain	1402
Index	104
Feed Conversion Ratio	6.41
Index	100
Average Daily Gain/ Day of Age	1134
Index	105
Breeder:	NLE PRISTON



BRAHMAN THABANI

Breed	RED BRAHMAN
Bull No.	9296
Sex:	Male
Birth Date:	20/08/1983
Weaning Weight Index	107
Average Daily Gain	1.432
Index	94
Feed Conversion Ratio	7.41
Index	94
ADA	1051
Index	107
Breeder:	JASPER VAN ZYL



BRAHMAN SETUKE

Breed	RED BRAHMAN
Bull No.	en 175
Sex:	Male
Birth Date:	25/12/1986
Breeder:	L. LAKUSCHAGNE LETSITELE TRANSVAAL



SANTA GERTRUDIS MSWELA



Identification:	VV120196
Sex:	Male
Birth Date:	16/12/2012
Computer Number:	290819044
Registration Status:	Calf Book
Service Details:	By AI
Breed:	SG 100.00
Sire:	KOCHBO OBELIX 07 13
Dam:	KORINGLAND K 09 48
Breeder:	MEV T. DE JAGER

August 2016 South African Santa Gertrudis EBVS

	Birth Wt. (kg)	200 Day Wt (kg)	400 Day Wt (kg)	600 Day Wt (kg)	Mat Cow Wt (kg)	Milk (kg)	Carcase Wt (kg)
EBV	+2.4	+24	+29	+37	+50	+6	+20
Acc	67%	65%	56%	57%	50%	31%	43%
Breed Avg. EBVs for 2014 Born Calves							
EBV	+1.0	+14	+21	+28	+29	+3	+14

SANTA GERTRUDIS BUSANG



Identification:	VV120007 (BUSANG)
Sex:	Male
Birth Date:	08/01/2012
Computer Number:	74467861
Registration Status:	Calf Book
Breed:	Santa Gertrudis
Sire:	VALLEY-VENTURE 08 131
Dam:	VALLEY-VENTURE 06 10
Breeder:	MEV T. DE JAGER

August 2016 South African Santa Gertrudis EBVS

	Birth Wt. (kg)	200 Day Wt (kg)	400 Day Wt (kg)	600 Day Wt (kg)	Mat Cow Wt (kg)	Milk (kg)	Carcase Wt (kg)
EBV	+1.9	+20	+24	+30	+38	+4	+16
Acc	71%	67%	59%	60%	53%	36%	46%
Breed Avg. EBVs for 2014 Born Calves							
EBV	+1.0	+14	+21	+28	+29	+3	+14

SANTA GERTRUDIS MARTZ

Breed	SANTA GERTRUDIS
Bull No.	AR 23
Breeder:	AR JAMES FERNANDEALE CATCHCART



SANTA GERTRUDIS CHARGE

Breed	SANTA GERTRUDIS
Bull No.	YP 8
Date of Birth	10/06/1984
Breeder:	TIANNAKIS BROS. FARMS



SANTA GERTRUDIS

MOKAILA



Identification:	VV030133 (VALLEY-VENTURE 03 133)
Sex:	Male
Birth Date:	12/09/2003
Computer Number:	290452978
HerdBook:	SP
Status:	Inactive
Registration Status:	Calf Book
Horn:	Horned
Breed:	SG 100.00
Sire:	OKOMBAHE SHINER G9119
Dam:	RAFT 94 14
Breeder:	MEV T. DE JAGER

August 2016 South African Santa Gertrudis EBVS

	Gestation Length (days)	Birth Wt. (kg)	200 Day Wt (kg)	400 Day Wt (kg)	600 Day Wt (kg)	Mat Cow Wt (kg)	Milk (kg)	Scrotal Size (cm)	Carcase Wt (kg)	Eye Muscle Area (sq cm)	Rib Fat (mm)	Rump Fat (mm)	Retail Beef Yield (%)	IMF (%)
EBV	-	+0.8	+16	+19	+24	+28	+4	+0.7	+13	+0.3	+0.3	+0.3	-	-
Acc	-	71%	69%	63%	63%	59%	58%	45%	54%	45%	26%	25%	-	-
Breed Avg. EBVs for 2014 Born Calves Click for Percentiles														
EBV	+0.0	+1.0	+14	+21	+28	+29	+3	+0.5	+14	+0.2	-0.1	-0.1	+0.0	+0.0

SIMMENTAL

DADA



Identification:	SDJ0078
Sex:	Male
Birth Date:	20/08/2000
HerdBook:	SP Inspection Date: 23/08/01
Registration Status:	Registered
Breed:	SI 100.00
Sire:	HURTIG 810621446
Dam:	AI-AI HENNA
Breeder:	KRIEL BROERS
Current Owner:	Dept Animal Health & Production
Service Details:	By AI
Eye Pigment:	B B

July 2016 South African Simmentaler GROUP BREEDPLAN EBVS

	Selection Index Values (Rand)																	
	Market Target		Index Value		Breed Average													
	Self Replacing Feedlot Index (R)		+R 36		+R 45													
	Self Replacing Grassfed Index (R)		+R 97		+R 91													
	Terminal Sire Index (R)		+R 89		+R 122													
	Calving Ease DIR (%)	Calving Ease DTRS (%)	Gestation Length (days)	Birth Wt. (kg)	200 Day Wt (kg)	400 Day Wt (kg)	600 Day Wt (kg)	Mat Cow Wt (kg)	Milk (kg)	Scrotal Size (cm)	Days to Calving (days)	Carcase Wt (kg)	Eye Muscle Area (sq cm)	Rib Fat (mm)	Rump Fat (mm)	Retail Beef Yield (%)	IMF (%)	
EBV	-5.4	+1.7	-0.6	+2.6	+15	+25	+31	+29	+6	+0.4	-	+15	-0.4	+0.3	+0.6	-0.3	-	
Acc	49%	44%	48%	70%	62%	59%	60%	59%	56%	28%	-	50%	33%	38%	37%	37%	-	
Breed Avg. EBVs for 2014 Born Calves Click for Percentiles																		
EBV	+0.3	+0.8	-0.5	+1.5	+15	+24	+30	+32	+5	+0.2	-0.3	+18	+0.3	-0.1	+0.2	+0.2	+0.1	

SIMMENTAL

SELOMA (KWANTUM ARMIN)

Identification:	KM028
Sex:	Male
Birth Date:	06/03/2002
Computer Number:	101042552
HerdBook:	SP Inspection Date: 30/10/03
Registration Status:	Registered
Breed:	SI 100.00
Sire:	TOVERBERG ABRAM
Dam:	KWANTUM MINA
Breeder:	HGA WOLMARANS
Current Owner:	THE MINISTER OF AGRICULTURE
Eye Pigment:	B B
Progeny:	[6 - View] [View by Herd]



July 2016 South African Simmentaler GROUP BREEDPLAN EBVS

Selection Index Values (Rand)		
Market Target	Index Value	Breed Average
Self Replacing Feedlot Index (R)	+R 70	+R 45
Self Replacing Grassfed Index (R)	+R 104	+R 91
Terminal Sire Index (R)	+R 150	+R 122

	Calving Ease DIR (%)	Calving Ease DTRS (%)	Gestation Length (days)	Birth Wt. (kg)	200 Day Wt (kg)	400 Day Wt (kg)	600 Day Wt (kg)	Mat Cow Wt (kg)	Milk (kg)	Scrotal Size (cm)	Days to Calving (days)	Carcase Wt (kg)	Eye Muscle Area (sq cm)	Rib Fat (mm)	Rump Fat (mm)	Retail Beef Yield (%)	IMF (%)
EBV	+5.0	+0.9	-1.0	-0.8	+14	+25	+31	+27	+10	+0.5	-	+18	-	-	-	-	-
Acc	49%	43%	51%	75%	65%	66%	64%	62%	52%	39%	-	52%	-	-	-	-	-
Breed Avg. EBVs for 2014 Born Calves Click for Percentiles																	
EBV	+0.3	+0.8	-0.5	+1.5	+15	+24	+30	+32	+5	+0.2	-0.3	+18	+0.3	-0.1	+0.2	+0.2	+0.1

SIMMENTAL

MR KB

Identification:	KM0451 (KWANTUM GIDA)
Sex:	Male
Birth Date:	30/10/2004
Computer Number:	101381059
HerdBook:	SP Inspection Date: 04/08/06
Registration Status:	Registered
Breed:	SI 100.00
Sire:	JDR DAMARA
Dam:	KWANTUM GINA
Breeder:	HGA WOLMARANS
DNA Tested:	Profiled #14/183 D
Eye Pigment:	B B
Progeny:	[1 - View] [View by Herd]



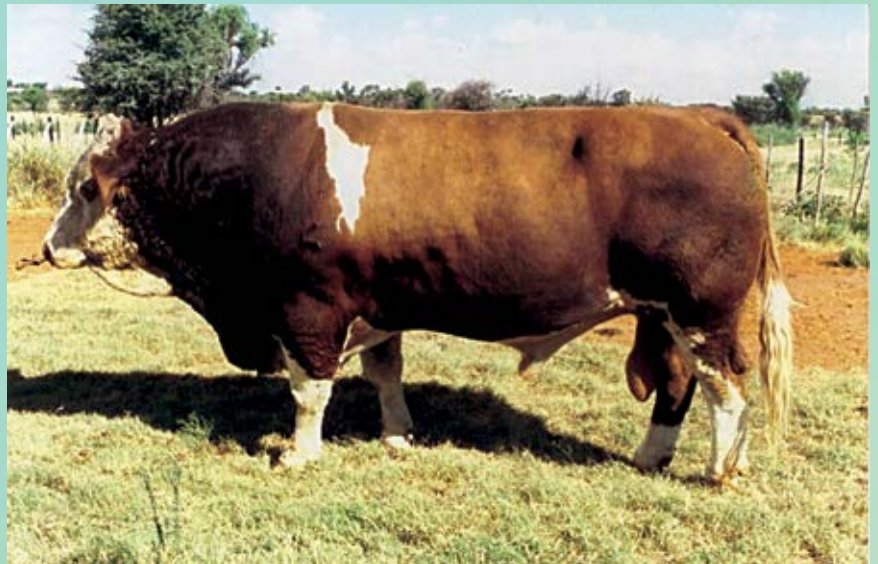
July 2016 South African Simmentaler GROUP BREEDPLAN EBVS

Selection Index Values (Rand)		
Market Target	Index Value	Breed Average
Self Replacing Feedlot Index (R)	+R 38	+R 45
Self Replacing Grassfed Index (R)	+R 43	+R 91
Terminal Sire Index (R)	+R 72	+R 122

	Calving Ease DIR (%)	Calving Ease DTRS (%)	Gestation Length (days)	Birth Wt. (kg)	200 Day Wt (kg)	400 Day Wt (kg)	600 Day Wt (kg)	Mat Cow Wt (kg)	Milk (kg)	Scrotal Size (cm)	Days to Calving (days)	Carcase Wt (kg)	Eye Muscle Area (sq cm)	Rib Fat (mm)	Rump Fat (mm)	Retail Beef Yield (%)	IMF (%)
EBV	+1.9	-0.6	-0.5	+1.3	+7	+12	+15	+7	+1	+0.4	-	+9	-	-	-	-	-
Acc	42%	40%	42%	69%	60%	56%	57%	55%	46%	28%	-	44%	-	-	-	-	-
Breed Avg. EBVs for 2014 Born Calves																	
EBV	+0.3	+0.8	-0.5	+1.5	+15	+24	+30	+32	+5	+0.2	-0.3	+18	+0.3	-0.1	+0.2	+0.2	+0.1

SIMMENTAL

RANTAO



Identification:	UG932
Sex:	Male
Birth Date:	23/03/1993
Computer Number:	26087007
HerdBook:	SP Inspection Date: 10/08/94
Registration Status:	Registered
Breed:	SI 100.00
Sire:	SALERIKA KALAHARI
Dam:	DORSIM ZEISSIG 82
Breeder:	JDH HATTINGH
Current Owner:	DIR. ANIMAL HEALTH AND PRODUC.
Service Details:	By AI, ET
DNA Tested:	Profiled #931691
Eye Pigment:	O P

November 2016 South African Simmentaler GROUP BREEDPLAN EBVS

Selection Index Values (Rand)		
Market Target	Index Value	Breed Average
Self Replacing Feedlot Index (R)	-R 3	+R 45
Self Replacing Grassfed Index (R)	+R 11	+R 92
Terminal Sire Index (R)	+R 35	+R 122

	Calving Ease DIR (%)	Calving Ease DTRS (%)	Gestation Length (days)	Birth Wt. (kg)	200 Day Wt (kg)	400 Day Wt (kg)	600 Day Wt (kg)	Mat Cow Wt (kg)	Milk (kg)	Scrotal Size (cm)	Carcase Wt (kg)
EBV	-3.7	+0.7	+0.5	+2.2	+5	+12	+12	+16	+1	+0.7	+8
Acc	51%	49%	45%	62%	56%	55%	55%	56%	59%	35%	47%
Breed Avg. EBVs for 2014 Born Calves Click for Percentiles											
EBV	+0.3	+0.8	-0.5	+1.5	+16	+24	+30	+32	+5	+0.3	+18

SIMMENTAL

MALESU



Identification:	UG07127
Sex:	Male
Birth Date:	22/09/2007
Computer Number:	101756870
HerdBook:	SP Inspection Date: 17/09/09
Status:	Inactive
Registration Status:	Registered
Breed:	SI 100.00
Sire:	SALERIKA ARLO
Dam:	SALERIKA BIANA 3DE
Breeder:	JDH HATTINGH
Current Owner:	BOTSWANA GOV. ANIMAL HEALTH
DNA Tested:	Sire Verified #245765 U

July 2016 South African Simmentaler GROUP BREEDPLAN EBVS


	Calving Ease DIR (%)	Calving Ease DTRS (%)	Gestation Length (days)	Birth Wt. (kg)	200 Day Wt (kg)	400 Day Wt (kg)	600 Day Wt (kg)	Mat Cow Wt (kg)	Milk (kg)	Scrotal Size (cm)	Days to Calving (days)	Carcase Wt (kg)	Eye Muscle Area (sq cm)	Rib Fat (mm)	Rump Fat (mm)	Retail Beef Yield (%)	IMF (%)
EBV	-1.1	+0.9	-0.3	+2.5	+18	+36	+51	+65	+7	+0.9	-4.8	+25	+0.4	+0.4	+0.9	-0.1	+0.2
Acc	46%	41%	48%	73%	69%	70%	72%	67%	56%	32%	33%	58%	48%	56%	56%	54%	48%
Breed Avg. EBVs for 2014 Born Calves Click for Percentiles																	
EBV	+0.3	+0.8	-0.5	+1.5	+15	+24	+30	+32	+5	+0.2	-0.3	+18	+0.3	-0.1	+0.2	+0.2	+0.1

SIMMENTAL THAPELO



Identification:	CE1385
Sex:	Male
Birth Date:	02/11/2013
Computer Number:	102652773
HerdBook:	SP Inspection Date: 10/03/15
Status:	Active
Registration Status:	Registered
Breed:	SI 100.00
Sire:	SIMLEE ESAU
Dam:	SIMLEE MARIJO E3
Breeder:	SIMLEE STOETERY

July 2016 South African Simmentaler GROUP BREEDPLAN EBVS

Selection Index Values (Rand)										
Market Target		Index Value		Breed Average						
Self Replacing Feedlot Index (R)		+R 35		+R 45						
Self Replacing Grassfed Index (R)		+R 108		+R 91						
Terminal Sire Index (R)		+R 157		+R 122						
	Calving Ease DIR (%)	Calving Ease DTRS (%)	Birth Wt. (kg)	200 Day Wt (kg)	400 Day Wt (kg)	600 Day Wt (kg)	Mat Cow Wt (kg)	Milk (kg)	Scrotal Size (cm)	Carcase Wt (kg)
EBV	+0.5	-2.6	+1.8	+18	+32	+38	+52	+7	+0.6	+23
Acc	45%	40%	71%	56%	55%	55%	53%	45%	29%	44%
Breed Avg. EBVs for 2014 Born Calves										
EBV	+0.3	+0.8	+1.5	+15	+24	+30	+32	+5	+0.2	+18

SIMMENTAL RALOTSIA



Identification:	CE1364
Sex:	Male
Birth Date:	25/05/2013
Computer Number:	102593647
HerdBook:	SP
Registration Status:	Calf Book
Breed:	SIMMENTAL
Sire:	SIMLEE BRITLEE
Dam:	SIMLEE UNNIMA
Breeder:	SIMLEE STOETERY

July 2016 South African Simmentaler GROUP BREEDPLAN EBVS

Selection Index Values (Rand)										
Market Target		Index Value		Breed Average						
Self Replacing Feedlot Index (R)		+R 35		+R 45						
Self Replacing Grassfed Index (R)		+R 108		+R 91						
Terminal Sire Index (R)		+R 157		+R 122						
	Calving Ease DIR (%)	Calving Ease DTRS (%)	Birth Wt. (kg)	200 Day Wt (kg)	400 Day Wt (kg)	600 Day Wt (kg)	Mat Cow Wt (kg)	Milk (kg)	Scrotal Size (cm)	Carcase Wt (kg)
EBV	+0.5	-2.6	+1.8	+18	+32	+38	+52	+7	+0.6	+23
Acc	45%	40%	71%	56%	55%	55%	53%	45%	29%	44%
Breed Avg. EBVs for 2014 Born Calves										
EBV	+0.3	+0.8	+1.5	+15	+24	+30	+32	+5	+0.2	+18

SIMMENTAL

VUSI

Breed	SIMMENTALER
Bull No.	8622
Sex:	Male
Birth Date:	20/11/1986
Birth Weight	38KG
Weaning Weight Index	100
Average Daily Gain	2.021
Average Daily Gain Index	116
Feed Conversion Ration Index	116
Feed Conversion Rating	5.24
Feed Conversion Ration	5.24
Average Daily Gain/Day of Age	1.393
Breeder:	J.J.G POTGIETER



SIMMENTAL

BEN

Breed	SIMMETALER
Bull No.	8710
Sex:	Male
Birth Date:	10/04/1987
Breeder:	M.E. ERASMUS



SIMMENTAL HORT

Breed	SIMMETALER
Bull No.	362
Sex:	Male
A.D.G	1643 INDEX 103
A.D.A	1286 INDEX 99
F. C. R.	6.90 INDEX 105
Breeder:	MEERHOF STUD



SIMMENTAL MAU

Breed	SIMMETAL
Bull No.	005
Sex:	Male
Birth Date:	06/05/1979
Group Rate	1500g/day
Feed Conversion Test	Animal and Dairy Science Institute of Research of South Africa
Breeder:	Mrs C. Lourence



SIMMENTAL

PIET

Breed	SIMMENTALER
Bull No.	316
Sex:	Male
Birth Date:	20/05/1983
Average Daily Gain	1.644
Birth Weight	38KG
Index	106
Feed Conversion	6.89
Index	105
ADA	1.346
Index	105
Average Index	107
Breeder:	MEERHOF STUD



SIMMENTAL

PILANE

Breed	SIMMENTALER
Bull No.	005
Sex:	Male
Birth Date:	10/11/2000
Average Daily Gain	2.265
Index	113
Average Daily Gain/ Day of Age	1.360
Index	112
Average Index	107
Breeder:	Dr WD Haman (Boerdery)



SIMMENTAL

MACALA NO INFO




LIMOUSIN

BLOM



Identification:	DK02139 (DEVLAN GIGILO 02139)
Sex:	Male
Birth Date:	03/11/2002
Computer Number:	46539979
HerdBook:	SP
Status:	Inactive
AI Sire:	Yes
Registration Status:	Registered
Breeder:	
Current Owner:	ATT JOYCE RAPELA
By AI:	Profiled #P3577/03

August 2016 Southern Limousin GROUP BREEDPLAN

	Calving Ease DIR (%)	Calving Ease DTRS (%)	Gestation Length (days)	Birth Wt. (kg)	200 Day Wt (kg)	400 Day Wt (kg)	600 Day Wt (kg)	Mat Cow Wt (kg)	Milk (kg)	Scrotal Size (cm)	Carcase Wt (kg)	Eye Muscle Area (sq cm)	Rib Fat (mm)	Rump Fat (mm)	Retail Beef Yield (%)	IMF (%)
EBV	-0.4	+0.7	-	+2.5	+17	+27	+37	+40	+7	+0.4	+23	-	-	-	-	-
Acc	49%	40%	-	71%	69%	67%	68%	61%	63%	58%	56%	-	-	-	-	-
Breed Avg. EBVs for 2014 Born Calves Click for Percentiles																
EBV	+0.3	+0.7	-1.5	+1.6	+17	+29	+40	+41	+5	+0.8	+25	+1.3	+0.0	-0.3	+0.7	-0.1


LIMOUSIN

MOALOSI



Identification:	FN93207
Sex:	Male
Birth Date:	18/11/1993
Computer Number:	32407512
HerdBook:	SP
Status:	Inactive
AI Sire:	Yes
Registration Status:	Registered
Breeder:	VERGESIGTE BOERDERYE EDMS BPK
Current Owner:	BOTSWANA DEPT OF AGRICULTURE
By ET:	By ET
By AI:	Profiled #9533670000

August 2016 Southern Limousin GROUP BREEDPLAN

	Calving Ease DIR (%)	Calving Ease DTRS (%)	Gestation Length (days)	Birth Wt. (kg)	200 Day Wt (kg)	400 Day Wt (kg)	600 Day Wt (kg)	Mat Cow Wt (kg)	Milk (kg)	Scrotal Size (cm)	Carcase Wt (kg)	Eye Muscle Area (sq cm)	Rib Fat (mm)	Rump Fat (mm)	Retail Beef Yield (%)	IMF (%)
EBV	+0.4	-2.3	-	+1.5	+13	+17	+26	-	0	+0.1	+20	-	-	-	-	-
Acc	51%	40%	-	70%	66%	65%	66%	-	60%	56%	52%	-	-	-	-	-
Breed Avg. EBVs for 2014 Born Calves Click for Percentiles																
EBV	+0.3	+0.7	-1.5	+1.6	+17	+29	+40	+41	+5	+0.8	+25	+1.3	+0.0	-0.3	+0.7	-0.1

LIMOUSIN

IAN KHAMA

Identification:	LR1350
Sex:	Male
Birth Date:	23/02/2013
Computer Number:	47985716
Type:	BROWN
HerdBook:	SP Inspection Date: 01/05/15
Registration Status:	Registered
Breeder:	LA RHONE FAMILIE TRUST
Current Owner:	LA RHONE FAMILIE TRUST
By AI:	Sire Verified #275841



July 2016 Southern Limousin GROUP BREEDPLAN

	Calving Ease DIR (%)	Birth Wt. (kg)	200 Day Wt (kg)	400 Day Wt (kg)	600 Day Wt (kg)	Milk (kg)	Carcase Wt (kg)
EBV	-0.7	+2.4	+21	+32	+37	+6	+22
Acc	38%	69%	65%	63%	71%	43%	50%
Breed Avg. EBVs for 2014 Born Calves							
EBV	+0.3	+1.6	+17	+29	+40	+5	+25

LIMOUSIN

TADUBANA

Identification:	LR1359
Sex:	Male
Birth Date:	12/05/2013
Computer Number:	8797014621
Type:	BROWN
HerdBook:	SP Inspection Date: 29/09/15
Registration Status:	Registered
Breeder:	LA RHONE FAMILIE TRUST
Current Owner:	LA RHONE FAMILIE TRUST
By AI:	Sire Verified #293218



July 2016 Southern Limousin GROUP BREEDPLAN

	Birth Wt. (kg)	200 Day Wt (kg)	400 Day Wt (kg)	600 Day Wt(kg)
EBV	+1.5	+13	+18	+23
Acc	65%	59%	64%	60%
Breed Avg. EBVs for 2014 Born Calves				
EBV	+1.6	+17	+29	+40

CHAROLAIS

MPIPI

Identification:	CHL M MCS 11 0001
Birth Date:	01/01/2011
Sex	MALE
Computer Number	
ADG	98
FCR	107
Registrtion Status	REGISTERED
Sire:	8894104162
DAM:	CHLFTHG 060069
Breeder:	MARSHALL



August 2016 CHAROLAIS

	Birth Wt. (kg)	WEANING Wt (kg)	12 MONTHS Wt (kg)	18 MONTHS Wt (kg)	MILK VALUE
EBV	50	221	306	357	62
INDEX	114	113	106	107	97

CHAROLAIS

MARSHALL

Identification:	CHL M MCS 11 0109
Birth Date:	10/12/2011
SEX	MALE
COMPUTER NUMBER	
ADG	106
FCR	101
REGISTRION STATUS	REGISTERED
Sire:	0397108304
Dam:	CHLFTHG 050058
Breeder:	W MARSHALL



August 2016 CHAROLAIS

	Birth Wt. (kg)	WEANING Wt (kg)	12 MONTH Wt (kg)	18 MONTH Wt (kg)	MILK VALUE
EBV	50	220	254		64
INDEX		113	102	120	97

CHAROLAIS

MASILO

Bull no.	ACA 070115/ Lawrens 115
Date of birth	01-08-07
Birth mass	40kg
Weaning WT Index	285 (104)
ADG	80
Feed Conversion Ratio	-35
ADA	444
SC	18.2
SH	7
BL	16
2010 wt	788kg
Sire	Murrumbidgee Anier 9312/12/00
Dam	Murrumbidgee Thea 11128/12/02
Breeder	Andre Smith Box 48 Makwasi 2650



August 2016 CHAROLAIS

	Birth Wt. (kg)	WEANING Wt (kg)	12 MONTH Wt (kg)	18 MONTH Wt (kg)
EBV	40	285	357	
INDEX	(104)	104	(109)	

CHAROLAIS

FANIKISO

IDENTITY	ACA 020063
Birth Date:	09/10/2002
SEX	MALE
ADG	108
FCR	110
REGISTRION STATUS	REGISTERED
Sire:	7195122401
Dam:	CHLFACA 000034
Breeder:	AA SMIT



August 2016 CHAROLAIS

	Birth Wt. (kg)	WEANING Wt (kg)	12 MONTH Wt (kg)	18 MONTH Wt (kg)	MILK VALUE
EBV	45	278			
INDEX		(104)	119	116	105

CHAROLAIS

MOGAE

Bull no.	FCSL 30
Date of birth	16-09-90
Daily Gain	2.027
Index	112
Feed Conversion Ratio	5.66
Index	108
ADG	1496
Index	116
Breeder	P. J. Fouche



CHAROLAIS

KEAJA

NAME	KEAJA
Identification:	GE 140009
Sex:	Male
Birth Date:	22/04/14
Registration Status:	Registered
Sire:	LAROUXLE WY0912
Dam:	CHA-PRE LANI H
Breeder:	GERUNE FAMILIE TRUST



BRAMATOLA MR FITZHENRY 82
LAROUXLE WY0912

BRAMATOLA MISS 831

NAME: GERUNE GE 14 0009

FOUNTAINVALE DREAMCATCHER

CHA-PRE LANI H

CHA-PRE SILANIE

CHAROLAIS

MODISA

ID No	CHLMACA 130067
Birth Date:	20/10/2013
SEX	MALE
REGISTRION STATUS	REGISTERED
Sire:	MURRUMBIDGEE LUCAS 129
Dam:	MURRUMBIDGEE TINY 006
Breeder:	AA SMIT

MAGENTA

MURRUMBIDGEE LUCAS 129

MURRUMBIDGEE TINY 006

CHLMACA130067

NEVER DK00579

MURRUMBIDGEE TINY 006

MURRUMBIDGEE ELLA



CHAROLAIS

KGABO

BREED	CHAROLAIS
Bull No.	FGD 13
Date Of Birth	30/10/1984
Breeder	F.T. GREY



BROWN SWISS

MFA

BULL No.	H 943
DATE OF BIRTH	6/01/94
BIRTH WEIGHT	45KG
ADG INDEX	116
FRC INDEX	112
ADA	105
BREEDER	H M HALLAT



BROWN SWISS

NTONA

Bull No.	DP 9825
Date Of Birth	20/12/98
Birth Weight	40KG
ADG Index	2267
FRC Index	108
ADA	1476
Breeder	P DU PLESSIS



DAIRY SWISS VENSON



Bull No.	Breed	DAMID No./1 name	Owner and address	Lactation	Calving Interval	Milk yield (kg)	Butterfat (kg)	%BF	Protein (kg)	%P	FCMF+P	Days	Milk	Bf	PT	Price	Remarks
LER02/02	Dairy swiss	LER97/30	P.P.Le	1	0	9262	310	3.35	320	3.45	8354	300	109	94	110	R15000	Good structural soundness and reproductive potential
Jetway Collin		Ja-Hen-PHA Collen	Roux Box424	2	367	10625	369	3.47	367	3.45	9785	300	105	98	106		
		Kayle's	Bultfontein 9670	3	338	11613	420	3.62	407	3.50	10945	300	113	115	114		

DAIRY SWISS MOTSUMI



Bull No.	Breed	DAMID	Owner and address	Lactation	Calving Interval	Butterfat (Kg)	%BF	Protein (Kg)	%P	Days	Milk	Bf	PT	Remarks
02/0012	Dairy	98/0062	Roll Bill	1	6379	259	4.06	222	3.48	300	106	110	109	Very sound structure and good reproductive potential
Toggenburg	Swiss	Toggernbur	Box 744	2	8669	345	3.98	314	3.62	300	115	117	121	
BPMaestro		Celerina	Meyerton	3	11641	544	4.63	395	3.40	300	-	-	-	

JERSEY KOKORWE

BREED:	JERSEY
Date of Birth	14/10/98
KGM:	7692
%B: 3.52	271KG
%P 3.45	265KG
Lactation:	3
Breeder::	James Paterson Blue Bied Farm



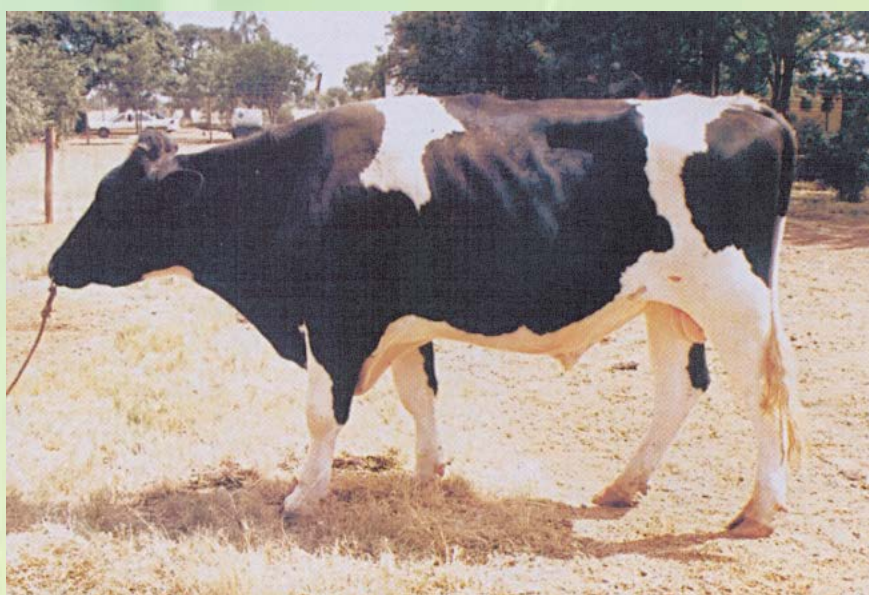
JERSEY MTENGI

BREED	JERSEY
Bull No.	.E. 96-45
KGM	7808
%B 3.91	KGB 305
%P 3.3	KGP 258
Lactation	3
Breeder: J Joster	



FRIESIAN NTSEANE

BREED	HOLSTEIN
Bull No:	FR97-413
KGM	52066
%B 0.37	KGB+42
%P 0.09	KGP+77
Lactations	5
Breeder:	MDairy



FRIESIAN MODISE

Breed: Holstein Freisian (Dairy Bull)

Date of Birth

Bull No. 519

Emerson-WT

Sire Receecrest Emerson-ET

BL 42278150USA

96pt 79dtrs 54hrd 83rpt 2002

Milk + 1800ptA + 0.03

Prot + 59PTA Fat + 72.0PTA + 0.03

Udder + 1.63 legs + 1.64

DAM LMTC 98240 41/99693

F-87 C-87 D-87 U-VG86 CLASSDATE 1/8

#Age kgmilk %Butter kgButter %P kgPCFP

12.4 10035 3.75 374 3.27 32870

12.5 LIFE 10035 1calf 0 icp 33.5mg

Frame + 10035 1.02 udder 0.17 Type + 0.68 Bri117
Milk kg + 339.8 fattkg 13/6% 0.02 prtkg + 1.8g%t0.12



FRIESIAN KOMA

BREED:	HOLSTEIN
Date of Birth	31-12-91
Walkway Chief Mark	
15000DTRS	072
Milk	+2015PTA
PRDT	+55PTA
Fat	+76PTA
Udder	+2.24
Type	+2.13
35KGM Daily in first lactation	
WAIT-AND-SEE WASMEID 50	



NO	AGE	KGM	%B	KGB	%P	KGP	DAYS	MI
1	2.03	8419	4.04	340	3.39	285	300	129
2	3.04	10500	3.83	404	3.44	361	300	133
3	4.05	114500	3.80	436	3.33	382	300	133
LIFE 30369 IN 3 LAC							Udder 6.0	

FRIESIAN SENKU

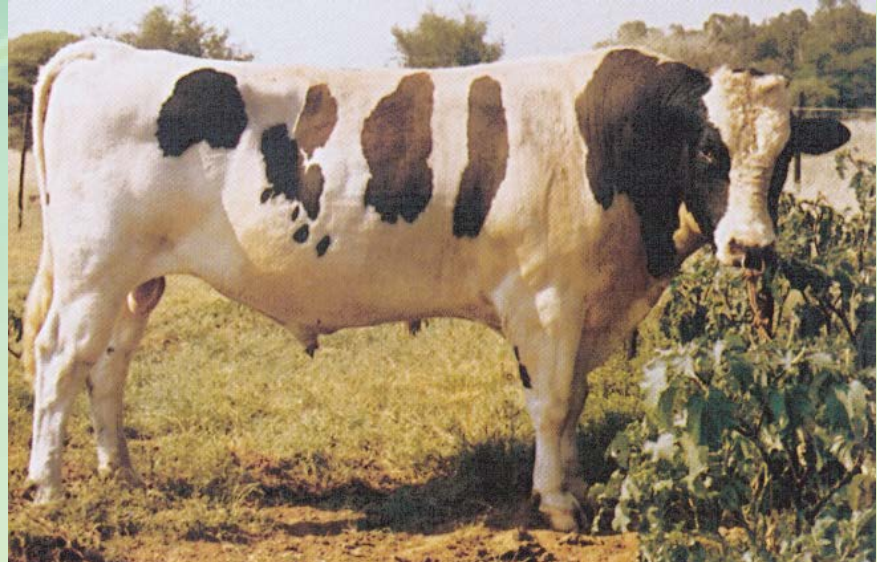
Date of Birth
 Bull No. 754
 HCM-Ha-HoCubbyManfre
 2183007 1553 1916 6461 0 1424 67
 2007 2009 SARINAPF
 2007 2010 38270484

#LAC	KGM	RGB	%B	KGB	%P
2.03	12420	458	3.69	369	2.97
3.03	13460	525	3.90	442	2.38
4.03	0	0	0	0	0



FRIESIAN DABUTHA

BREED:	HOLSTEIN
Bull No.	27813732
Date of Birth	31-03-93
Breeder:	MR Sieberhagen & Son



SIRE							
BROOK MASCOTT							
111 DTRS 95 HRDS + 1.98 UDDER + 1.12 LEGS + 2.40 TYPE							
MILK + 2279 PTA PROT + 77 PTA FAT + 68 PTA							
DAM	AGE	WAIT-AND-SEE 103	KGB	%P	KGP	DAYS	M
	2.01	KGM %B	298	5.38	243	300	2
	3.00	7565 4.30	325	5.49	264	300	2
	4.01	8850 4.29	380	5.42	303	300	2
	5.00	9039 4.26		3.74		258	RECORD IN PROGRESS
	LIFE	32648KG					

FRIESIAN NGAKA

NAME: NGAKA

BREED	FRIESIAN
BULL NO.	94606
DATE OF BIRTH	27.05.1984



FRIESIAN BALOPI

BREED:	DUTCH FRIESIAN
BULL NO.:	1939
DATE OF BIRTH:	03.08.1989
DAM'S NO. OF LACTATION:	6
LIFE-TIME MILK PRODUCTION:	58,089KG
AVERAGE DAILY MILK PRODUCTION:	32KG (42L)



BONSMARA

BONSMMA

Breed	BONSMARA
Bull No.	1120
Sex:	Male
Birth Date:	16/11/1977
Adjusted Weaning Weight	208KG
Group Size	41
Rating	+11KG
Place In Group	9
Adjusted 18 Months Weight	322kg
Group Size	33
Rating	+25KG
Place In Group	4
Breeder:	ANIMAL PRODUCTION RESEARCH UNIT



BONSMARA

TASTE

Breed	BONSMARA
Bull No.	1268
Sex:	Male
Birth Date:	12/11/1979
Adjusted Weaning Weight	172KG
Group Size	21
Rating	0
Place In Group	11
Adjusted 18 Months Weight	323KG
Group Size	21
Rating	+20KG
Place In Group	5
Breeder:	ANIMAL PRODUCTION RESEARCH UNIT



BONSMARA DINGAKE

Bull No.	9429	
Date Of Birth	05-05-94	
Birth Mass	39kg	
Contemporary Indices		
Adg Index	133	100
Fcr Index	115	100
Ada Index	109	100
S. Height	1230	1225
L. Body	1456	1422
Skin	18	16
Sc	375	355
Breeder	W.L. Van Wyk	



BONSMARA NKATE

Bull No.	The 9822
Date Of Birth	15-10-98
Birth Mass	33kg
Weaning Index	100
Adg Index	2145
Fcr Index	4.9
Ada Index	1220
Index	110
S. Height	1245
L. Body	1432
Skin	
Sc	340
Merit	Gold
Breeder	Dr Ja Pienaar



TSWANA PHUMAPHI

BREED	TSWANA
Bull no.	2613
Date of birth	24-11-1993
Birth mass	79LBS
Sex	Male
Weaning mass	171kg
18Months mass	316kg
Breeder	APRRD-DAR



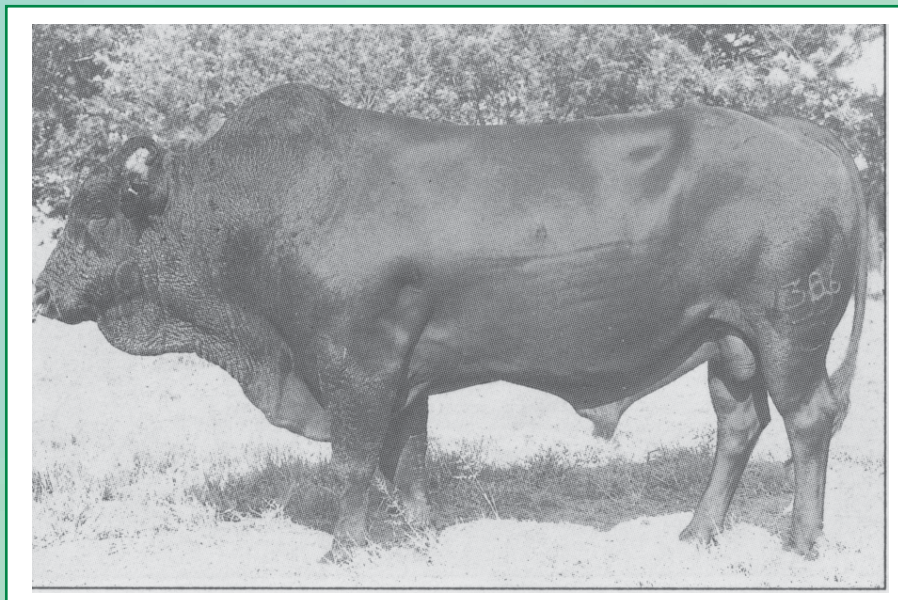
TSWANA NASHA

Bull No.	2556
Date Of Birth	22-10-93
Birth Mass	80 LBS
Weaning Mass	181kg
18 Months Mass	286kg
Breeder	APRRD-DAR



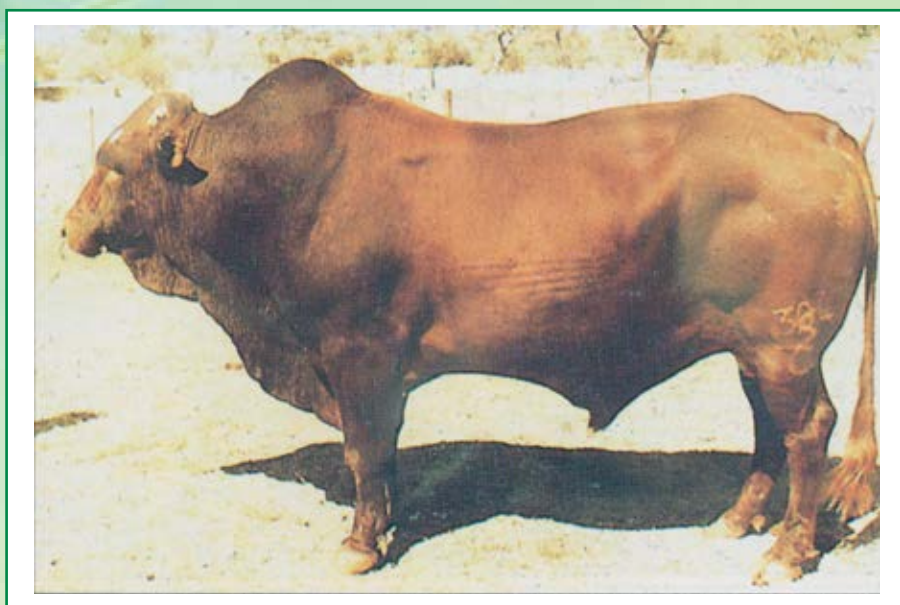
TSWANA CHRIS

Breed	TSWANA
Bull No.	306
Sex:	Male
Birth OF Date:	18/02/1983
Birth Weight	36KG
Weaning Weight	181KG
Weaning Weight Rating	-38KG
18 Months Weight	269KG
18 Months Weight Rating	+52
Breeder:	ANIMAL PRODUCTION RESEARCH UNIT



TSWANA CHIBA

Breed	TSWANA
Bull No.	304
Sex:	Male
Birth Date:	18/02/1983
Birth Weight	36KG
Weaning Weight	144KG
Weaning Weight Rating	-29KG
18 Months Weight	272KG
18 Months Weight Rating	+58
Breeder:	ANIMAL PRODUCTION RESEARCH UNIT



MUSI MOREKISI

Bull no.	7336
Date of birth	25-10-2008
Birth mass	35kg
Sex	Male
Dam no.	6348
Sire No.	7158
7 Months wt	211
Breeder	APRRD-DAR



MUSI PODISI

Bull no.	7371
Date of birth	04-11-2008
Birth mass	29kg
Sex	Male
Dam no.	6209
Sire No.	7158
7 Months wt	240
Breeder	APRRD-DAR



MUSI BAGWASI

BREED	TSWANA
BULL NO	7417
DATE OF BIRTH	24-11-2008
BIRTH MASS	46.5 kg
SEX	MALE
DAMN NO	5005
SIRE NO	7165
7 MNTHS WT	46.5KG



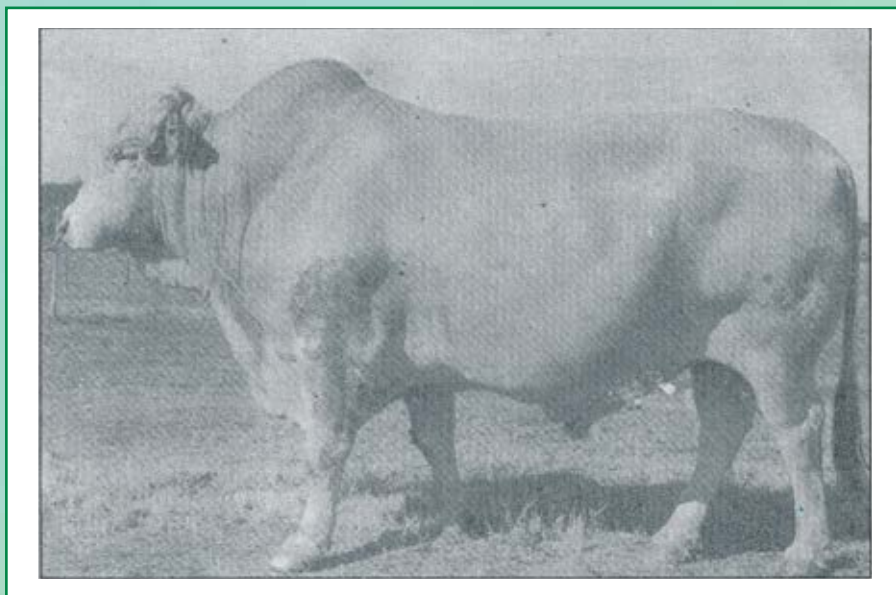
TULI MPHO

Breed	TULI PHASE D TEST
Bull No.	HBH 92.002
Sex:	Male
Birth Date:	17/12/1992
Birth Mass	35KG
205 COR MASS	22KG
205 DAY IND	103
365 COR MASS	365KG
365 DAY IND	101
Breeder:	R.J. CLARK



TULI NAGE

Breed	TULI
Bull No.	466
Sex:	Male
Birth Date:	30/10/1975
Adjusted Weaning Weight	197KG
Group Size	32
Rating	+22
Place in Group	1
Adjusted 18 Months Weight	340kg
Group Size	32KG
Rating	+56KG
Place in Group	1
Breeder:	ANIMAL PRODUCTION RESEARCH UNIT



SUSSEX PHIRI

Bull no.	N964
Date of birth	
BIRTH WEIGHT	36 KG
WEANING INDEX	107
ADG	107
ADA	95
Breeder	T STOTTER



SUSSEX

KABO

Bull no.	H 114
Date of birth	17/12/1992
BIRTH WEIGHT	41 KG
WEANING WEIGHT	249
ADG	108
ADA	105
18 MONTHS WEIGHT	675 KG
Breeder	ANTHONY EVANS



PINZGAUER

JAMES

Bull no.	GPK 32
Date of birth	05/11/1989
BIRTH WEIGHT	38 KG
WEANING INDEX	107
AVERAGE WEANING INDEX	101
FCR	6.17KG OF FEED CONSUMED/ KG OF MASS GAIN
AVERAGE DAILY GAIN (GRAMS)	1779
AVERAGE DAILY GAIN (DAY OF AGE)	1243
Breeder	GDEW Pansegrouw Randburg



FRENCH BULLS

Artois

P247.00/straw



Name	IFNAIS	CRsev	DMsev	DSsev	FOSsev	ISEVR
ARTOIS	110	101	95	103	95	103
Sire:	Ternois					
Dam:	Pin up					

First

P208.00/straw



Name	IFNAIS	CRsev	DMsev	DSsev	FOSsev	ISEVR
FIRST	111	113	116	106	113	126
Sire:	Sylvaner					
Dam:	Dill					

Giono

P286.00/straw



Name	IFNAIS	CRsev	DMsev	DSsev	FOSsev	ISEVR
GIONO	96	114	120	109	99	123
Sire:	Aragon					
Dam:	FR 7121529115					

Voimo

P130.00/straw



Name	IFNAIS	CRsev	DMsev	DSsev	FOSsev	ISEVR
VOIMO	106	93	101	96	120	97
Sire:	Natur					
Dam:	Ovation					

Honorable

P286.00/straw



Name	IFNAIS	CRsev	DMsev	DSsev	FOSsev	ISEVR
HONOURABLE	110	115	105	104	100	121
Sire:	Bastion					
Dam:	Plug					

Hulk

P208.00/straw



Name	IFNAIS	CRsev	DMsev	ISEVR	ICRC jbf
HULK	110	115	102	120	117
Sire:	Artois				
Dam:	Vignette				

Magnum-Pgd.

P273.00/straw



Name	IFNAIS	CRsev	DMsev	DSsev	FOSsev	ISEVR
MAGNUM PGD	98	116	115	105	87	120
Sire:	Spirit					

Mars-pp-gd

P234.00/straw



Name	IFNAIS	CRsev	DMsev	DSsev	FOSsev	ISEVR
MARS PP GD	107	103	115	104	110	115
Sire:	CN Rex PP					

FRENCH BULLS

Mars-Pp-Gd

P234.00/straw



Name	IFNAIS	CRsev	DMsev	DSsev	FOSsev
MARS PP GD107	103	115	104	110	115
Sire: CN Rex PP					

Hector-gd

P234.00



Name	IFNAIS	CRsev	DMsev	DSsev	FOSsev	ISEVR
HECTOR GD	109	101	135	85	110	125
Sire: Charmeur						

Olcross-Gd

P130.00/straw



Name	IFNAIS	CRsev	DMsev	DSsev	FOSsev	ISEVR
OLCROSS GD	118	97	114	95	111	114
Sire: Hannibal						

Platon-Gd

P195.00/straw



Name	IFNAIS	CRsev	DMsev	DSsev	FOSsev	ISEVR
PLATON GD	109	104	105	106	93	111
Sire: Heron Ben						

Press link below to access estimated breeding values and pedigree information for each animal.

www.genesdiffusion.com

ABBREVIATIONS:

IFNAIS – Calving Ease
 CRsev – Growth Development
 DMsev – Muscular Development
 DSsev – Skeletal Development
 FOSsev – Total Merit Index for Direct Effect

AMERICAN BULLS

JDH Datapack 563

P975.00/straw



Sire: +TTT Suva Crata 450
EPDs BW WW YW MILK
3.5 20.8 23.8 1.3

Dam: JDH Lady Mil Manso 780/4
MILK
1.3

JDH Beckton De Manso 490

P975.00/straw



Sire: JDH Amos Manso 568/6
EPDs BW WW YW MILK
2.7 19.7 28.3 7.2

Dam: JDH Lady Gemma Manso 365/6
MILK
7.2

JDH Jojo Manso 862/1

P650.00/straw



Sire: =JDH Westin Manso 80/1
EPDs BW WW YW MILK
-1.4 22 52 4

Dam: JDH Miss Arkon Manso 48/6
MILK
4

JDH Calixto Manso 158/7

P650.00/straw



Sire: +JDH Sir Liberty Manso 847/5
EPDs BW WW YW MILK
3.1 15.5 25.7 3.1

Dam: JDH Lady Queen Didor Manso 838/5
MILK
3.1

JDH Quency Manso 873/1

P650.00/straw



Sire: +JDH Elliot Manso 761/1
EPDs BW WW YW MILK
2.1 26.3 41.1 3.2

Dam: JDH Lady Charla Manso 683/5
MILK
3.2

JDH Carson De Manso 834/7

P650.00/straw



Sire: +JDH Woodson De Manso 206/7
EPDs BW WW YW MILK
2.1 26.3 41.1 3.2

Dam: JDH Lady Margie Manso 42/7
MILK
3.2

JDH Sir Jacob Manso 678/8

P1300.00/straw



Sire: JDH Woodson De Manso 206/7
EPDs BW WW YW MILK
2.9 49.2 75.7 7.8

Dam: =JDH Lady Josiah Manso 505/7
MILK
7.8

JDH Clanton De Manso 313/8

P975.00/straw



Sire: +JDH Woodson De Manso 206/7
EPDs BW WW YW MILK
2.4 29.2 49.2 4.7

Dam: JDH Ms Amos Manso 495/7
MILK
4.7

AMERICAN BULLS

JDH Comet Manso 871/1 P650.00/straw



Sire: JDH Mr Mosley 368/1 Dam: JDH Miss Eartha Manso 179/1
 EPDs BW WW YW MILK
 3.6 30 47 11

JDH Riddell Manso 929/6 P650.00/straw



Sire: +JDH Madison De Manso 737/4 Dam: JDH Lady Mcadoo Manso 538/4
 EPDs BW WW YW MILK
 2.2 22.4 32.4 8.7

JDH Josiah Manso 125/7 P650.00/straw



Sire: +JDH Elliot Manso 761/2 Dam: +JDH Lady Annissa Manso 892/5
 EPDs BW WW YW MILK
 2.8 29.9 50.4 4.4

JDH Roma Manso 713/1 P650.00/straw



SSire: JDH Echo Manso 237/1 Dam: JDH Lady Fisk Manso 442/1
 EPDs BW WW YW MILK
 1 23 38.5 3

JDH Magnifico Manso 160/1 P650.00/straw



Sire: +JDH Karu Manso 800 Dam: JDH Lady Pala Manso 346/5
 EPDs BW WW YW MILK
 1.9 20 37 5

JDH Sir Dixon Manso 138/1 P650.00/straw



Sire: +JDH Sir Marri Manso 557/4 Dam: JDH Miss Clova Manso 29/1
 EPDs BW WW YW MILK
 3.6 31.9 52.3 6.2

JDH Mr Ashton Manso 193/4 P650.00/straw



SSire: +JDH Mr Brandon Manso 761/3 Dam: +Miss Fontenot 21
 EPDs BW WW YW MILK
 2.5 19.8 25.7 9.1

JDH Sir Eastman Manso 455/1 P650.00/straw



Sire: +JDH Echo Manso 237/1 Dam: JDH Me Fife Manso 311/1
 EPDs BW WW YW MILK
 1.4 24.8 40.2 2.1

AMERICAN BULLS

JDH Sir Harper Manso 752/7 P650.00/straw



Sire: +JDH Sir Liberty Manso 847/5 Dam: JDH Lady Wider Manso 146/2
 EPDs BW WW YW MILK
 2.6 24.3 36.6 3.2

Mr V8 194/7

P650.00/straw



Sire: JDH Avery Manso 159/7 Dam: Miss V8 464/6
 EPDs BW WW YW MILK
 6 31 45 7

JDH Wellington Manso 527/1 P3900.00/straw



Sire: JDH Mr Echo Manso 237/1 Dam: JDH Lady Aria 668/5
 EPD 1.2 WW YW MILK
 27.6 46.7 1.3

JDH Roma Manso 713/1 P650.00/straw



SSire: JDH Echo Manso 237/1 Dam: JDH Lady Fisk Manso 442/1
 EPDs BW WW YW MILK
 1 23 38.5 3

Mr H Breaker Manso 103/7 P975.00/straw



Sire: V8 960/5 Dam: JMiss Libertad Slugger 170/1
 EPDs 2.6 WW YW MILK
 25 47 10

Mr H Pride of Maddox Manso 684/8 P1300.00/straw



SIRE: +MR H MADDOX MANSO 684 DAM: +LADY H ADELYN MANSO 55/9
 EPD 3.7 WW YW MILK
 29 45 5

Mr U4 Barrett Manso 221/1 P650.00/straw



Sire: +MR. V8 442/6 Dam: LADY H MOLLY MANSO 960/7
 EPD 2.7 WW YW MILK
 31 53 10

TTT Suva Bob Manso 786/3 P1300.00/straw



Sire: +CJV Mr Billy Bob Manso 16/8 Dam: JDH Lady Elmo 412/4
 EPDs BW WW YW MILK
 2.1 26 44 7

AMERICAN BULLS

JDH Gene Manso 117/8 P1300.00/straw



Sire: +JDH Woodson De Manso 206/7	Dam: JDH Lady Carol Manso 275/7
EPDs	MILK
BW 1.7	WW 21.8
YW 34.3	MILK 5

JDH Denton De Manso 592/7 P650.00/straw



Sire: JDH Sir Lawford Manso 616/6	Dam: JDH Lady Helene Manso 552/6
EPDs	MILK
BW 1.8	WW 24.6
YW 34.6	MILK 5.1

BRC Mr Aggie 108 P455.00/straw



Sire: V8 146/8	Dam: BRC's Miss V8 636/7
EPDs	MILK
BW 3.6	WW 27
YW 50	MILK 5

JDH Madison De Manso 737/4 P1300.00/straw



Sire: +V8 202/3	Dam: JDH Lady Rem J Manso 2 (692/3)
EPDs	MILK
BW 2.6	WW 31.8
YW 56.9	MILK 5.3

BRC Peanut 641/8 P585.00/straw



Sire: V8 380/6	Dam: JDH Lady Elmo 412/4
EPDs	MILK
BW 2.0	WW 36
YW 69	MILK 5

JDH Mr. Echo Manso 237/1 P650.00/straw



Sire: JDH Sir Liberty Manso 847/5	Dam: JDH Maddie Rem Manso 26/1
EPDs	MILK
BW -0.3	WW 15
YW 33	MILK 5

JDH Dakota Manso 599 P650.00/straw



Sire: JDH Grande Manso 488	Dam: -JDH Lady Shano Manso 570
EPDs	MILK
BW 4.0	WW 30
YW 42	MILK 8.0

JDH Boogalu Manso 266/5 P650.00/straw



Sire: JDH Baxter Manso 188/7	Dam: Miss V8 464/6
EPDs	MILK
BW 2.9	WW 19.9
YW 29.2	MILK 1.1

AMERICAN BULLS

JDH Drover De Manso 962/6 P650.00/straw



Sire: JDH Sir Liberty Manso 847/5
 EPDs BW WW YW MILK
 2.7 28.9 43 3.7
 Dam: JDH Lady Crata Manso 103/5

JDH Mr Fulton Manso 371/8 P1300.00/straw



Sire: JDH Prophet Manso 424/7
 EPDs BW WW YW MILK
 2.8 19 25 3
 Dam: JDH Ms Rios Manso 665/6

JDH Extra Manso 679/1 P650.00/straw



Sire: JDH Mosley Manso 368/1
 EPDs BW WW YW MILK
 2.7 28.9 43 3.7
 Dam: JDH Miss Eartha Manso 179/1

Mr V8 179/8 P650.00/straw



Sire: +Mr V8 458/7
 EPDs BW WW YW MILK
 3.6 35 82 6
 Dam: Miss V8 363/6

JDH Gabriel Manso 872/1 P650.00/straw



Sire: V8 380/6
 EPDs BW WW YW MILK
 2.0 36 69 5
 Dam: JDH Lady Elmo 412/4

MR V8 628/7 P650.00/straw



Sire: Mr V8 442/6
 EPDs BW WW YW MILK
 0.4 30 51 11
 Dam: JDH Lady Presley Manso

JDH Jordan Manso 29/1 P650.00/straw



Sire: JDH Sir Rem Ton Manso 805/5
 EPDs BW WW YW MILK
 3.1 23 36 0
 Dam: JDH Ms Shanoah Manso 95 995

JDH Rafiki Manso 893/7 P1300.00/straw



Sire: JDH Jene Manso 117/8
 EPDs BW WW YW MILK
 Dam: JDH Lady Manso 399/6

AMERICAN BULLS

VL Rojo Designer 2/70

P1300.00/straw



Sire: VL Rojo Designer 78/5
EPDs BW WW YW MILK
1.1 18.4 27.5 13.0

Dam: VL Elena 108/6
MILK
13.0

VL Rojo Designer 5/16

P650.00/straw



Sire: VL Rojo Designer 2/70

Dam: VL Elena 108/6

Mr CBR 667/8

P650.00/straw



Sire: +Mr WCC Maximus Rojo 82/4
EPDs BW WW YW
2.8 25 41

Dam: + Miss CBR Viva 491/0
MILK
4

To access estimated progeny difference and pedigree information for each animal
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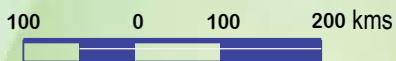
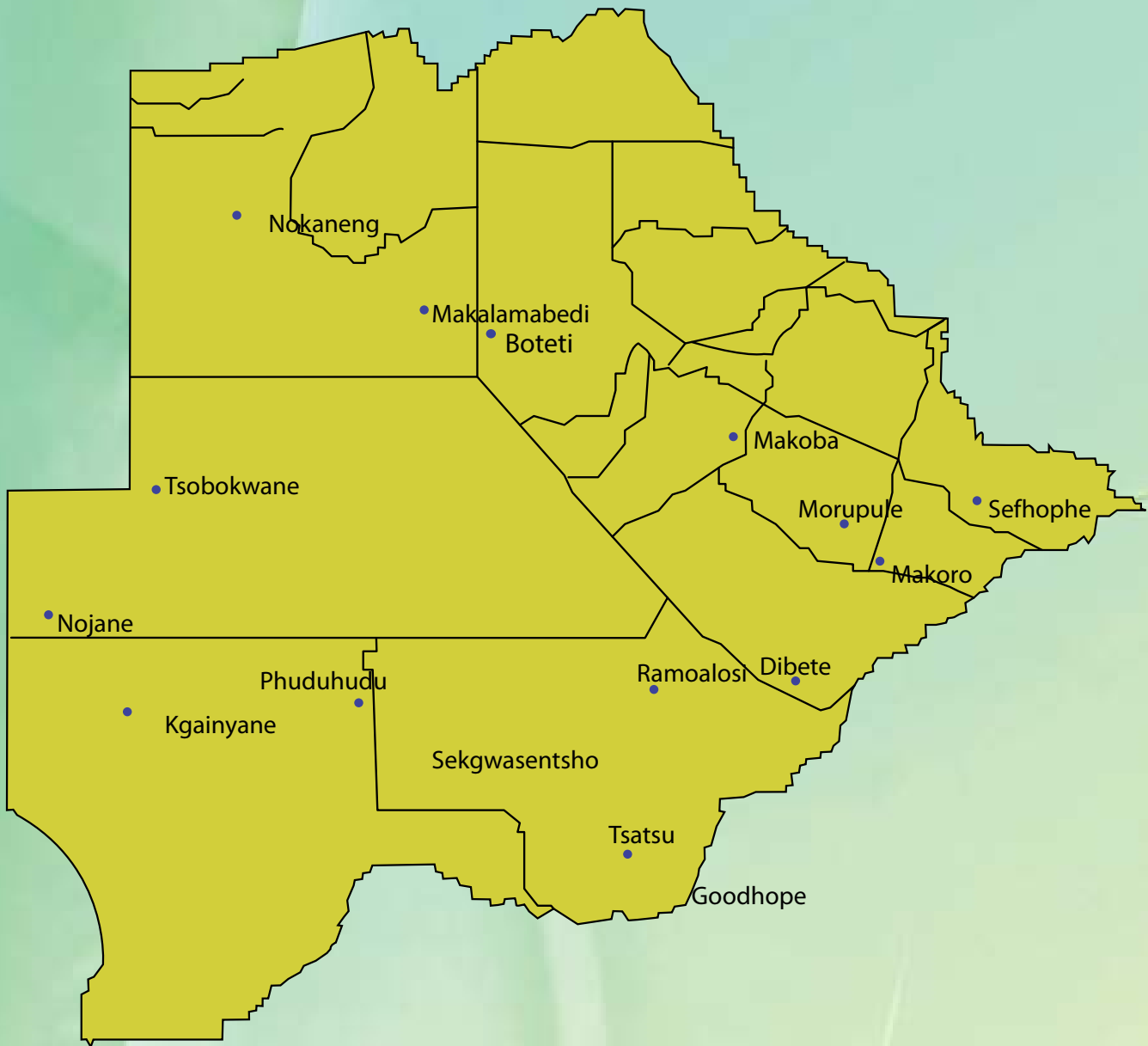
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