SIRE CATALOGUE SOUTH AFRICA

CELEBRATING 20 YEARS

2026 - 2027

CRV SA

BETTER COWS > BETTER LIFE

CRV, leading
in health and efficiency

FOREWORD

It is our pleasure to introduce the CRV (XSEED) South Africa Sire Catalogue for 2026 — a purpose-built selection that brings together world-class genetics, local knowledge, and a deep-rooted passion for South African dairy farmers.

We are proud to celebrate CRV (XSEED) South Africa's 20th year of existence. Since the beginning, our motto has been profitability, reliability, integrity, and innovation, and we are proud to say that we have remained true to this promise.

Guided by CRV's commitment to "Better Cows — Better Life," the bulls in this catalogue are selected not only for their measurable genetic merit, but because we believe they will reliably improve herd health, efficiency, and profitability under South African conditions.

Quality genetics form the foundation of everything we do. Our programme combines leading genomic lines from the Netherlands, New Zealand, and the United States, alongside Australian Jersey offerings and carefully selected local sires. This is supported by robust genomic evaluation and practical indices that prioritise fertility, udder and hoof health, feed efficiency, and longevity.

We also provide modern tools such as SireMatch, along with options like sexed semen and polled genetics, enabling farmers to make informed, data-driven mating decisions aligned with their production systems and commercial goals.

What sets CRV XSEED apart is passion — passion for genetics, which drives the selection of every bull we introduce; passion for dairy farming, which shapes our advice and services; and passion for South African farmers, which underpins our local programmes. This passion is embodied by our dedicated South African team, who are locally based to provide reliable semen supply, technical support, on-farm guidance, and added value. It is further strengthened by CRV's cooperative spirit, which keeps farmers' needs at the centre of everything we do.

As you explore this catalogue, we encourage you to connect with your CRV XSEED adviser. Together, we can match the right sires to your herd goals — whether you prioritise solids, milk volume, fertility, health, longevity, or low-cost production — and turn world-class genetics into stronger, healthier, and more profitable herds for today and future generations.

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THE HISTORY OF CRV SA

As we reflect on the past two decades of Xseed and CRV SA, we are reminded that this story is, above all, one of partnership.

It is an opportunity to express our gratitude to the clients, colleagues, and collaborators who have shaped our journey, and to acknowledge the milestones we have achieved together.

From humble beginnings, we have remained committed to a clear purpose: delivering reliable, innovative genetic solutions that enhance herd profitability, while upholding the highest standards of integrity.

CRV SA Team

Xseed was founded on 1 July 2006 by Roy Dixon, together with a dedicated team of semen consultants—Elsa (Conradie) Featherston (Tsitsikamma), Robert Bosch (George), Rolf Henriksen (Natal Midlands), Rina Buchner (Eastern Cape), and Pieter Thiart (Free State). Fransa Holder oversaw finances and administration. In those early years, our primary genetics supplier was Holland Genetics, and the first imports from the Netherlands included notable Holstein bulls such as Paramount, Olympic, and Sinatra, alongside Red Holstein sires Kian, Tulip, and Fabian.

As the company grew, so too did our vision. We expanded our portfolio beyond its initial offering, securing the marketing rights to Genetics Australia's Jersey genetics—among them the highly successful bull Badger. This was followed by imports from New Zealand, including Holstein sires Pierre, Favour, and Fluke, as well as the Jersey bull Manhatten.

Each step reflected our commitment to broadening choice and delivering value to our clients.

From the outset, collaboration with breed societies has been central to our approach. We have always respected their role as custodians of breed integrity, and worked alongside them to ensure sustainable progress.

Evolution of the CRV SA logo

2006 - 2007	2008 - 2021	2022 - present

CELEBRATING 20 YEARS

As early as 2006, we began offering locally bred sires across a range of breeds—including Jersey, Ayrshire, Holstein, Simmental, and Brangus—guided by the belief that no single solution fits every farming system. Diversity within and across breeds has remained a cornerstone of our philosophy.

In 2008, CRV transitioned from the Holland Genetics brand to a unified global identity.

A significant milestone followed in February 2012, when CRV acquired Xseed, forming CRV Xseed and opening the door to a broader portfolio of genetic products and advanced technologies. Founded in 1874, CRV brings more than 150 years of experience in cattle improvement. As a farmer-owned cooperative in the Netherlands and Flanders, its enduring commitment to genetic progress continues to guide our work.

The rebranding of CRV Xseed to CRV SA in 2022 marked another step in our evolution—one that reflects both our heritage and our future ambitions.

As we mark this 20-year milestone, we extend our sincere thanks to our loyal clients, whose trust and partnership have been integral to our success. We also acknowledge the dedication of our team and the support of our suppliers, all of whom have contributed to this shared journey.

We look forward to the years ahead with confidence and gratitude.

Rina Buchner & Elsa (Conradie) Featherston

Rolf Henriksen, Elsa (Conradie) Featherston and Roy Dixon.

Rina Buchner

Robert Bosch

FEED EXCEL
Breeding for Feed Efficiency

PROVEN PATH TO PROFITABILITY

Breeding for Feed Efficiency can increase farm profitability by up to 25%

CRV FeedExcel ensures a highly productive herd that promises:

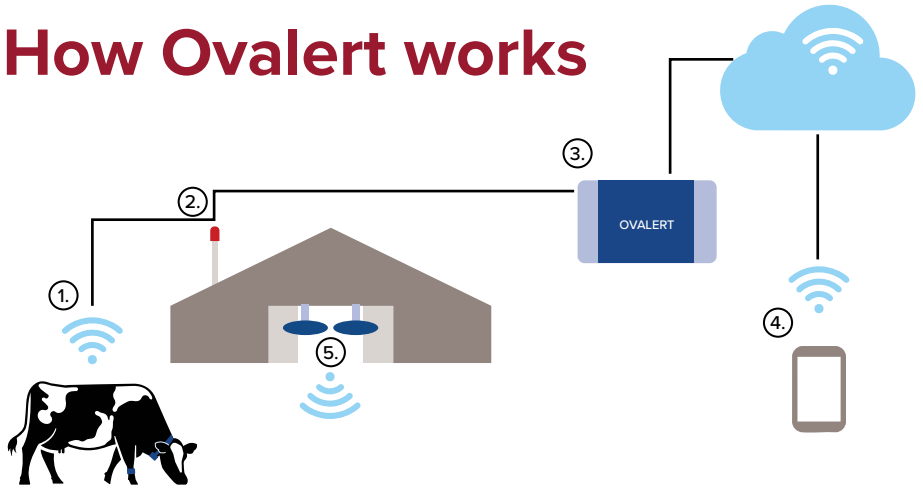
- **25% more milk*** or,
- **25% less feed*** and
- **25% less methane by 2050**

**Results based on CRV's own research on commercial dairy farms where the 25% best cows for feed efficiency were compared to the 25% lowest.*

MORE MILK RESULT IN MORE FARM REVENUES

CRV SA
BETTER COWS > BETTER LIFE

How Ovalert works



1. The Smarttag registers the movement and behaviour of the individual animal. Data collected in the last 24 hours is stored in the Smarttag.
2. When the animals are within the range of the antenna, all data from the Smarttag is collected.
3. The collected data will be transmitted to the heart of de system: the process controller which continually analyses the data.
4. The analysis results can be viewed on your smartphone, tablet or PC. The system immediately provides an alert relating to heat detection, abnormalities in the eating or rumination pattern and abnormalities in standing-lying behaviour or inactivity.
5. Optionally, beacons in the barn can send signals to all tags regardinig their current location in the barn.

Watching your herd around the clock

The Ovalert heat detection system detects and identifies health, feed and fertility signals earlier and more effectively than the human eye and works 24 hours a day.

As a farmer, you can easily monitor the performance of the whole herd and it makes your herd more efficient and easier to manage. Hundreds of farmers are discovering the added value of Ovalert health, feed and fertility management.

"A 40-day shorter calving interval means a lot more profit"

Wes Hickson, Dudleston, UK

FEED EXCEL
Breeding for Feed Efficiency

FEEDEXCEL

Backed by years of cooperation with farmers and leading developments in science, CRV FeedExcel uses our creation of the largest, most reliable feed intake dataset of lactating cows in the world. This breeding strategy promises a highly productive herd delivering more milk with less feed. The proven path to higher margins and lower emissions.

60%
of milk production costs are feed

Feed Efficiency
Feed costs make up about 60% of all variable milk production expenses. Therefore, it pays to breed efficient cows - cows that produce more milk with less feed.

Calculating Feed Efficiency

$$\text{Feed Efficiency} = \frac{\text{Kg of milk produced}}{\text{Kg of dry matter}}$$

Feed intake (Kg of dry matter)
Milk production (Kg of milk / cow / day)
Kg of milk = kg ECM with 3.5% fat and 3.2% protein

Higher feed efficiency = more milk / kg dm feed

IMPACT OF FEED EFFICIENCY ON PROFITABILITY

	Feed Efficiency	Body Weight (kg)	Milk Production (kg)	Dry Matter Intake (kg)	kg. Concentr. / 100 kg milk	Profit per day (ZAR)
25% highest Feed Efficiency	1,88	676	42,6	22,6	22	225
25% lowest Feed Efficiency	1,38	697	32,5	23,5	27	141
Difference	0,5	-21	10,1	-0,9	-5	**84**

25 percent best cows > 50 percent more profit

CRV FEED EXCEL BREEDING STRATEGY

01
Genomic test
your herd to increase reliability.

02
Add FeedExcel
to breeding goals in SireMatch in order to target feed efficiency in herd matings.

03
Use FeedExcel bulls:
this selection of bulls are the top ranking options for combined feed efficiency, longevity, and health..

What can breeding achieve?
There is a large variation in feed efficiency between animals, this makes it possible to breed for feed efficiency. The heritability of Feed Efficiency is 10%.

What can you do as producer?
CRV has developed the breeding strategy FeedExcel to easily increase efficiency on your farm through breeding while reducing methane emissions in the process.

HERDOPTIMIZER

Genomic testing for the next generation herd

Do you know the genetic potential of your herd? Increase your farm's profitability by taking a customized breeding approach. Use the unique CRV breeding indicators Health and Efficiency, CRV FeedExcel and other traits, based on NVI or TPI.

HerdOptimizer is a tool to gain easy insight in the genetic potential of your herd. This customized breeding concept and management tool contains female genotyping and the possibility to personalize your mating advice using SireMatch. The online application is 24/7 accessible on any mobile device.

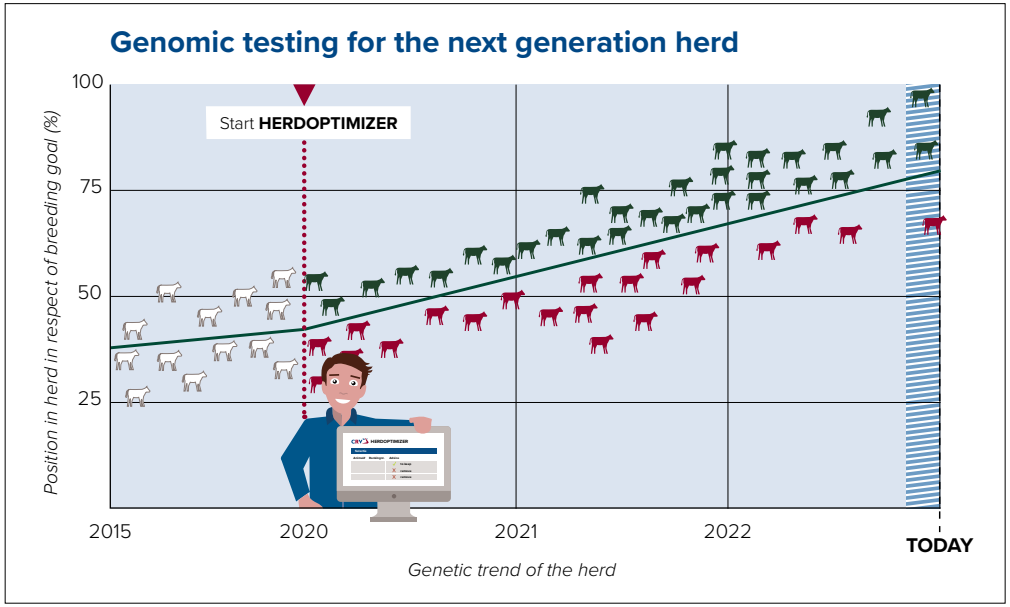
HerdOptimizer uses a genomic test to reveal the genetic potential of your female animals. The outcome consists of breeding values for over 50 traits related to milk production, health, practice proven feed efficiency scores and conformation. This will give you a prediction of the performance of the animals in the future, with a reliability up to 80%. CRV also provides unique CRV breeding indicators for Health and Efficiency. Besides the breeding values, the genomic test gives insight in the presence of specific genetic traits such as red factor, polled, A2-milk and kappa casein.

Customized breeding goal

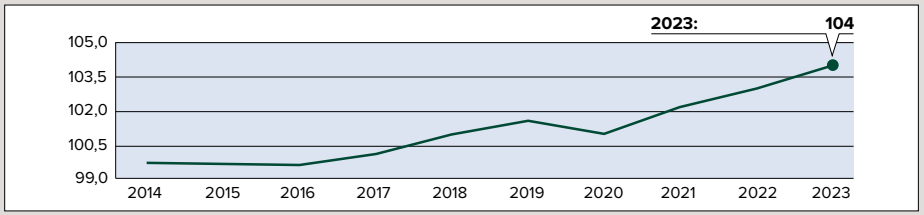
All this information is available in a world-class digital application: HerdOptimizer. The results of HerdOptimizer are automatically entered into SireMatch, which is a breeding management program that helps you to get maximum progress in your herd with minimum effort. SireMatch offers you a choice of breeding goals that you can adapt and customise to suit your own wishes. Your own SireMatch advisor will provide personal support and guidance, and, using the program, will help you select the bulls that match your breeding goal best. Based on your breeding goal and the genetic potential of your female animals, animals are ranked. This enables you to easily make breeding decisions, such as which animals to keep for rearing and which parings will produce better offspring. This approach excludes the risk of inbreeding. SireMatch puts together all the pieces for you in the breeding puzzle giving you the guarantee of maximum genetic progress and improvement in your herd with a minimum of effort.

- **Increase your farm's profitability by precised use of beef on dairy and sexed semen**
- **Fastest way to breed for a FeedExcel herd**
- **24/7 acces to your results in the world-class HerdOptimizer application**
- **Fastest turn around time in the market**

In HerdOptimizer, your animals are ranked based on your personal, fully customizable breeding goal



HerdOptimizer participants have exclusive insight in the genetic progress of Feed Efficiency of their herd



This dairy farm (1,000 dairy cows average production 10,000 kg milk) works with the FeedExcel breeding strategy for feed efficiency. The calves born in 2023 are 4% more efficient. This results in 1,000,000 lbs more milk with the same amount of feed, and **ZAR 2,800,000* more profit.**

*(*10,000 kg x 4% x 1,000 cows x R 7,42 milk price)*

CRV, leading in **health** and **efficiency**

Unique CRV indexes

CRV has developed two unique indexes to help you breed a healthy and efficient herd, which results in lower costs and additional profit.

The **CRV Health index** will help you to breed cows that get pregnant easily, have fewer lameness issues and suffer less from mastitis. Your cows will calve more easily and will be less susceptible to ketosis.
The three main building blocks of this index are:
Hoof Health, Fertility and Udder Health.

The **CRV Efficiency index** will help you to breed a herd that is more productive, has a higher longevity and feed efficiency, and better beef performance.
Besides boosting your overall efficiency, this will also contribute to lower emissions.
The three main building blocks of this index are:
Production, Longevity and Feed Efficiency.

CRV Health:

Hoof Health

3 – 9% fewer claw problems
R10 000 – R30 000 savings**

Fertility

3 – 9% higher non-return on 56 days
R15 000 – R45 000 savings**

Udder Health

2 – 6% less clinical mastitis
R12 000 – R36 000 savings**

CRV Efficiency:

Production

65 – 195 higher net milk production income (more fat & protein, % and/or kg)
R130 000 – R392 500 higher profit**

Longevity

35 – 405 days longer in productionw
R75 500 – R223 500 savings in replacement costs**

Feed Efficiency

2– 6 kg milk more per kg dry matter feed intake
R120 000 - R362 500 higher profit**

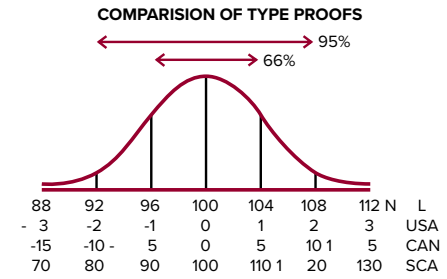
** data based upon the Holstein breed*
*** per 100 cows per year*

CRV offers the perfect solution for your herd. Check out **crv4all.co.za**

NVI

Understanding Dutch type proofs

Understanding Dutch type proofs is not as difficult as you might think. The values and ranges of the Dutch proofs maybe look different from what you are used to, but if you compare them to UK, US or Canadian proofs they are quite easy to understand. The graph shows the ranges of the proofs in the four different countries.



Explanation traits

CRV Health

CRV Health indicates the extent to which a bull helps to breed a healthier herd. A high score means that a bull's progeny will have reduced rates of mastitis and lameness, will calve easier, and breed back sooner.

CRV Efficiency

CRV efficiency indicates the extent to which a bull contributes to a more efficient herd.
Improved milk and component produ ction relative to feed intake, while accounting for longevity, body condition, and calving interval.

Feed efficiency

FEED EFFICIENCY

CRV introduced a unique breeding value for feed efficiency in December 2020. CRV is the only company in the world to base this breeding value on real feed intake data. Using the breeding value feed efficiency soon results in 10% higher milk production for the same feed costs (based on life time production of a cow).

Understanding **New Zealand** Traits

Shed traits

In all cases positive is better.

Shed temperament
The temperament of the animal in the shed after it has settled into the milking routine.
Grumpy – Lovely

Adaptability to milking
How quickly the animal adapts to the milking routine.
Slowly – Quickly

Milking speed
The length of time it takes for an animal to milk out.
Slow – Fast

Overall opinion
A farmer's overall feeling about the animal.
Poor – Well-liked

Conformation

Rump angle
The angle between the middle of the hip and top of the pin bone. A flat to slightly sloping rump is desired.
High – Sloping

Rump width
The distance between the posterior point of the pin bones in relation to the size of the cow. Good indicator of the width of a cow throughout her body.
Narrow — Wide

Capacity
Strength and depth of chest and body as viewed from the side.
Frail — Capacious

Stature
Height measured at the animal's shoulder.
Short — Tall

Legs
The angulation of the rear legs.
Straight — Curved

Dairy conformation
An overall conformation score combining all traits except udder traits.
Undesirable — Desirable

UDDER

Udder support
Strength of the suspensory ligament as viewed from the rear.
Weak – Strong

Front udder
The strength of attachment of the front of the udder to the body wall.
Loose — Strong

Rear udder
The height and width of the rear udder attachment.
Loose — Strong

Udder overall
An overall udder score combining all the udder conformation traits.
Undesirable — Desirable

Front teat
Placement of front teats.
Wide — Close

Rear teat
Placement of rear teats.
Wide — Close

Teat length
Length of the rear teats from the udder to the tip of the teat.
Short — Long

PP Polled Genetics

Save time and money by removing the need to disbud. Select one of CRV's polled bulls to ensure the calf isn't born with horns. CRV's polled bulls (PP) have two polled genes (homozygous), which means you are guaranteed a polled calf.

OAD Once-A-Day Sires

Long lasting cows with great production and feed efficiency.

When operating a once-a-day milking system the right genetics are key to success. CRV focuses on protein, somatic cells and udder support traits to help increase production and feed efficiency, increase the overall longevity of your herd, breed cows with a great udder, low somatic cells, and lower your replacement rates.

"*For us, having the best once-a-day cows has meant we have enjoyed having a better life.***"**

Russell and Charlotte Heald, Norsewood

SG Short Gestation

CRV offers short gestation dairy and beef options to help create greater value calves and give your cows more days in milk.

DAIRY
Short gestation dairy is a good option if you need more replacements from your tail-end cows. Short gestation dairy is available in Holstein Friesian, Jersey and Crossbred.

DAIRY BEEF
Breed beef-cross calves that you can sell to the beef market. The gestation length of beef breeds are on average four to five days longer than dairy sires. However short gestation Hereford, Angus and Belgian Blue brings the calving date in line with dairy sires.

LowN Sires®

Environmental efficiency.

CRV's LowN Sires are selected for their low milk urea nitrogen breeding value plus other key drivers for environmental efficiency such as longevity.

"*We're trying to build a herd that suits this farm, and works with the environment and this catchment.***"**

Steve and Paula Holdem, Mamaku, Rotorua

TYPE **ABVS**

Breeding for improved type is important to Australian dairy farmers.

A cow's type affects her functional performance in the herd, which in turn influences her longevity. For example, a cow with poor udder structure may be culled because it is difficult to attach cups to her in the dairy or her mammary leads to greater instances of mastitis.

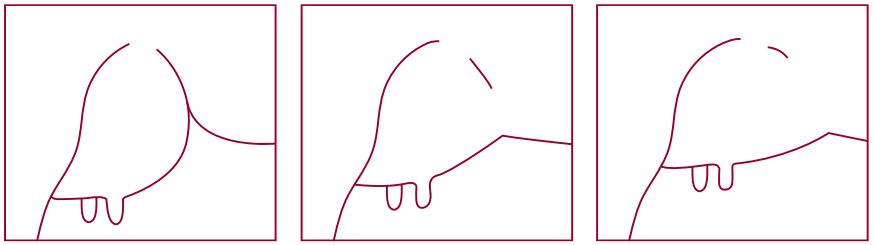
DataGene publishes ABVs for 24 individual type traits re referred to as type traits in Australia. Traits are similar across breeds. Breeding for improved type Australian Breeding Values (ABVs) for type traits provide a tool for dairy farmers to breed for improved type in their herds.

Type ABs are published for Holsteins, Jerseys and Red Breeds. Dairy farmers are often more interested in a group of traits which combine to affect a cow's functional performance in the herd. An ABV based on a combination of traits is referred to as a 'composite'trait. DataGene publishes ABVs for 5 composite type traits: Mammary System, Feet & Legs, Dairy Strength and Rump. The Overall Type ABV is a combination of all traits, so is also technically a composite. At this stage, the only composites published for Jerseys are Mammary System and Overall Type. There are some variations in the composites provided to each breed as a result of differences in classification systems.

USING TYPE ABVS

Type ABVs are expressed against the breed average, which is set at 100 with a standard deviation set to 5; for example, an ABV of 105 is 1 standard deviation above average. For many traits, an ABV of more than 100 indicates an animal that is greater than the breed average for that particular type trait. Take for example, fore udder attachment. A stronger fore udder attachment is desirable because it has a strong association with longevity in Holstein and Jersey cows. The 'ideal' is therefore very strong fore attachment.

FORE ATTACHMENT attachment to abdominal wall



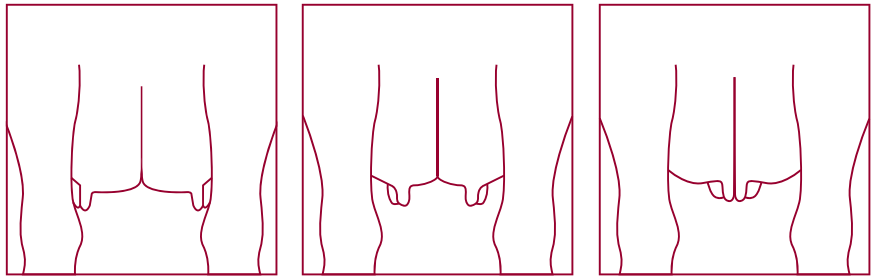
1 WEAK | 5 INTERMEDIATE | 9 STRONG

To improve fore udder attachment: choose bulls with an ABV of greater than 100. The same applies to the 4 composite traits [Mammary System, Feet & Legs and Rump] and Overall Type

USING TYPE ABVS

More is not always better. For some traits the ideal is an intermediate score. An example is rear teat placement, which refers to the placement of rear teats relative to the centre of the quarter. Rear teat placement affects the ease with which cups can be attached in the milking shed. Neither extreme is desirable: cups are difficult to attach if rear teats are too close or too wide. The ideal position is intermediate. A bull with a Rear Teat Placement ABV of 100 is breed average.

REAR TEAT PLACEMENT teat placement from centre of quarter



1 WIDE | 5 CENTRE | 9 CLOSE

To breed for wider teat placement: choose bulls with a Rear Teat Placement ABV of less than 100. The following traits have intermediate ideals:

- Stature
- Foot Angle
- Chest Width
- Heel Depth
- Body Depth
- Rear Set/Rear Leg Side View
- Bone Quality
- Udder Depth
- Loin Strength [Jersey only]
- Teat Placement [Front]
- Pen Set/Rump Angle
- Teat Placement [Rear]
- Rump Length [Jersey only]
- Teat Length

HOW ARE TYPE ABVS OBTAINED

Type is recorded by trained classifiers who visit farms and assess cows individually based on the biological range of each type trait. Data is sent to DataGene the independent organisation responsible for releasing ABVs each April, August and December.

TYPE IS INCLUDED IN BPI AND HWI

Overall Type, Mammary System, Udder Depth, Pin Set are included in Australia's two indices: Balanced Performance Index (BPI) and Health Weighted Index (HWI).

For more information on ABV for Type and other breeding values visit:
https://datagene.com.au/technote

BCS
TREND DETERMINES FERTILITY

Cows that maintain a stable body condition or even gain condition in the first weeks of lactation are healthier and more fertile than those that lose condition. This has been confirmed by various studies conducted in the United States. According to Professor Paul Fricke, managing body condition score is fundamental to maintaining a fertile dairy herd.

Alot of dairy producers assume that fresh cows lose body condition in the first weeks of lactation. But although this assumption is often correct, it is not inevitable according to US professor Paul Fricke, a leading authority in dairy cow fertility. “We also see cows that maintain their condition or even gain weight after calving,” he explained, based on numerous studies conducted in the US.

These studies increasingly highlight the significant impact of body condition score changes in the early weeks post-calving on cow health and fertility. Cows that lose condition are at higher risk of diseases such as ketosis, mastitis, and pneumonia compared to those that maintain their condition.

The negative effects of body condition loss on cow health are largely due to ketone bodies and free fatty acids in the bloodstream, which are released when body reserves are broken down. These compounds weaken the immune system. “The more condition a cow loses after calving, the higher the concentrations of these breakdown products,” Fricke demonstrated in his presentation.

Breakdown products of body reserves not only negatively affect health but also fertility. High concentrations of ketone bodies and free fatty acids are detrimental to the quality of oocytes produced during periods of negative energy balance. This translates into poor embryo quality, leading to increased early embryonic mortality.

Additionally, the impact of body condition loss on fertility is also indirect due to its effect on overall health. Cows that remain healthy in the early weeks of lactation already have better fertility outcomes compared to those that suffer from diseases such as mastitis and ketosis.

Best fertility outcomes with stable body condition score

One of the studies Fricke presented was conducted on a dairy farm with 7,000 cows. Nearly 2,400 cows had their body condition scored at drying off and again 30 days after calving. The cows were inseminated from 60 days post-calving.

Table 1 presents an overview of fertility performance across the four groups. The highest pregnancy rates at 32 and 60 days post-insemination were observed in cows that maintained a stable condition. This group also had the lowest rate of early embryonic mortality.

The worst fertility results were recorded in cows that lost the most condition, with the other groups showing intermediate outcomes.

Managing calving interval is crucial

Preventing body condition loss after calving is a crucial foundation for good fertility, according to Fricke. Maintaining condition in the new lactation starts in the previous lactation. The higher the body condition at drying off, the greater the likelihood of condition loss postcalving and the more body condition points will be lost. The condition at drying off is largely influenced by the length of the previous lactation. A study conducted at Michigan State University found a direct correlation between calving condition and the calving interval in the previous lactation. Moreover, the study showed that cows lost more condition in the first 30 days of lactation as the previous calving interval increased. This is illustrated in Table 2.

Table 1

Relationship between pregnancy rate and condition trend on a large U.S. dairy farm (Source: University of Wisconsin)

number of cows	condition trend (score change)	pregnant @ 32 days (%)	pregnant @ 60 days (%)	embryonic loss (%)
608	-1,5 tot -0,75	33	25	15
672	-0,50	44	35	9
650	-0,25	51	42	8
449	0 tot +0,75	56	50	2

CRV offers unique breeding values for body condition score and ketosis

Cows with a stable body condition score and lower susceptibility to ketosis are generally more fertile. In addition, CRV provides an exclusive breeding value for daughter fertility, allowing targeted breeding for a fertile herd. Fertility is an essential component of CRV Health. By using genomic testing (in combination with HerdOptimizer), applying SireMatch, and selecting bulls with high health breeding values, you can easily build a more fertile herd.

Achieving good fertility in the new lactation starts with aiming for a calving interval of less than 13 months in the previous lactation, Fricke stated. This means cows should be pregnant by 130 days post-calving, even if they are still producing high milk yields at that time.

“By managing the calving interval, you prevent fluctuations in body condition and ensure cows calve at a body condition score of 2.75 to 3,” he explained. “In the past, a body condition score of 3.5 at calving was considered ideal. This score may be optimal for high milk production, but a higher condition score at calving increases the risk of condition loss in the first weeks of lactation, which is ultimately detrimental to fertility,” the professor concluded.

Table 2

Relationship between condition score change and previous calving interval (Source: Michigan State University)

number of cows	score change (calving to 30 days)	calving interval (previous lactation, days)
110	<= –0,5	444
103	–0,4	422
100	–0,3	415
89	–0,2	411
53	–0,1	395
67	>= 0	392

STRATEGIC BREEDING DRIVES DAIRY SUCCESS

KRYSTLE BENNETT AND NIGEL BRINKWORTH HAVE DEVELOPED THEIR WALTON FARM INTO A MODEL OF SUSTAINABLE, MODERN DAIRY FARMING.

Nigel, a third-generation farmer, has worked with his wife Krystle to expand and evolve their operation, with strategic breeding playing a pivotal role in their success.

“We’ve been very deliberate about the genetics we bring onto the farm,” says Krystle. “It’s not just about production; it’s about building cows that thrive in our unique system.”

Two years ago, the couple purchased a 100-hectare farm adjacent to their original 120-hectare property, now linked by a newly built bridge. By next season, the combined 220-hectare farm will support a herd of around 600 cows.

For the last eight years, their herd has been predominantly sired by CRV bulls, with a strong focus on traits suited to their 3-in-2 milking schedule. “Capacity, udders, and rump width are non-negotiables,” says Krystle, who works closely with their CRV sales

consultant, Mark Whelan, to fine-tune her breeding choices. With a target of reaching 500 kg milk solids (MS) per cow, these attributes are key to ensuring long-term production and herd health.

The couple is particularly drawn to CRV’s approach to breeding cows with solid, functional frames rather than just focusing on the numbers alone. “CRV seems to prioritise the cow rather than just the figures, and we’re happy with the results,” Krystle adds.

The Brinkworths operate a splitcalving system, with autumn calving in one shed and spring in the other.

This allows them to achieve premium winter milk while minimizing stress on their cows and staff. “Autumn calving means our cows avoid the harsh spring weather during late pregnancy,” says Krystle.

This season, they’ve introduced sexed semen through CRV’s Accelerate pack, which includes 20 percent sexed semen, to get top quality replacements. They are careful with how sexed semen is used, putting systems in place to ensure it is used on the right animals at the right time.

“Only the top performing cows make the breeding list for sexed semen and only those on their second or subsequent heat,” says Krystle.

Farm details: Walton, Waikato | 600 cows

“We’ve been very deliberate about the genetics we bring onto the farm,”
Krystle Bennett

CRV sales consultant, Mark Whelan with Krystle Bennett and Nigel Brinkworth

In addition to production traits, the Brinkworths are dedicated to incorporating polled genetics to improve animal welfare. “I like the idea of not dehorning, but I don’t want it to be the only reason I pick a bull; it has to come with other valuable traits,” says Krystle.

This year, they are using three polled bulls, including Gym, the first homozygous polled bull to make New Zealand’s prestigious Ranking of Active Sires (RAS) list .

“It’s nice to see the polled bulls starting to get some decent figures as well, and being recognized on the RAS list,” says Krystle.

Their commitment to sustainable, highquality dairy farming and investment in genetics that suit their system has enabled the Brinkworths to create a herd that’s not only productive but aligned with their goals.

KEY TO BULL PAGES

Look for these icons on the bull pages

P

Heterozugous polled

PP

Sires selected for homozygous polled gene

LowN

Sires selected as lower than average for MUN (milk urea nitrogen)

SG

Sires selected for Short Gestation

OAD

Sires selected for suitability in a Once-A-Day milking system

FEED EXCEL
Breeding for Feed Efficiency

CRV FeedExcel

Semen imported from Australia

Semen imported from CRV USA

Semen from CRV RSA

Semen imported from CRV New Zealand

Semen imported from CRV Netherlands

Calving Ease

CRV Efficiency

Production

Longevity

Feed Efficiency

INSIRE

CRV elite young sires, selected on a combination of parental and genomic data.

A2A2

A2A2

CRV Health

Hoof Health

Fertility

Udder Health

PROGENY PROVEN

Semen sourced from domestically proven sires

Semen Fertility

NEW

Bulls added to the CRV lineup with the current genetic evaluation cycle.

CREATE

CRV early release sires available with a signed Genetic Partnership agreement.

SiryX

Sires are available as sexed semen

BEEF ON DAIRY

These bulls exhibit excellent calving ease and are therefore suitable for use on dairy cows.

Black and White

DELTA **ACROPOLIS**

FEED EXCEL Breeding for Feed Efficiency

CRV SA

BORN: 13/12/2022 | KAPPA/BETA CASEIN: BB / A1A2 | SA ID: -

CRV HEALTH	+2%	CRV EFFICIENCY	+13%
FERTILITY	104	INET	324
UDDER HEALTH	102	LONGEVITY	330
HOOF HEALTH	98	FEED EFFICIENCY	109

Production Traits DGHTRS **0** • HRDS **0** • **79**% REL

Kg Milk	Fat%	Protein%	Kg Fat	Kg Protein
1,045	0.10	0.00	55	37

Total Index

NVI	225

Acropolis

Conformation Traits DGHTRS **0** • HRDS **0** • **90**% REL

Trait	BV
Frame	100
Dairy strength	102
Udder	107
Feet and legs	109
Total Type	109

Linear Traits

Trait	BV
Stature	96
Strength	101
Body depth	96
Rib structure	101
Condition score	100
Rump angle	101
Rump width	103
Rear legs rear view	109
Rear legs side view	102
Foot angle	97
Front feet orientation	112
Locomotion	109
Fore udder att.	108
Front teat placement	105
Teat length	95
Udder depth	105
Rear udder height	107
Rear teat placement	104
Udder balance	105
Central Ligament	101

Daughter Management traits

Trait	BV
Methane saved	99
Milking robot index	102
Milking speed	101
Ketosis	99
Somatic cell count	101
Temperament	100
Dghtr Calving Ease	101
Persistency	108
Maturity Rate	108

Sire Management traits

Trait	BV
Sire calving ease	101
Vitality	102
Calf survival	99

S: FAST LANE
D: DELTA RADELLA
PGS: PEAK REMINGTON
PGD: DELTA MAAN
MGS: VH NORLAND NADER
MGD: RIKA 564

INSIRE

DELTA **APPETIZER**

CRV SA

BORN: 2021/07/02 | KAPPA/BETA CASEIN: BB / A2A2 | SA ID:

CRV HEALTH	+5%	CRV EFFICIENCY	+10%
FERTILITY	101	INET	273
UDDER HEALTH	107	LONGEVITY	554
HOOF HEALTH	103	FEED EFFICIENCY	104

Production Traits DGHTRS **203** • HRDS **103** • **91**% REL

Kg Milk	Fat%	Protein%	Kg Fat	Kg Protein
454	0.36	0.09	55	25

Total Index

NVI	232

Appetizer RF

Conformation Traits DGHTRS **65** • HRDS **34** • **95**% REL

Trait	BV
Frame	103
Dairy strength	102
Udder	106
Feet and legs	110
Total Type	110

Linear Traits

Trait	BV
Stature	100
Strength	102
Body depth	99
Rib structure	100
Condition score	101
Rump angle	98
Rump width	102
Rear legs rear view	109
Rear legs side view	99
Foot angle	104
Front feet orientation	104
Locomotion	110
Fore udder att.	104
Front teat placement	109
Teat length	98
Udder depth	105
Rear udder height	106
Rear teat placement	107
Udder balance	107
Central Ligament	105

Daughter Management traits

Trait	BV
Methane saved	101
Milking robot index	104
Milking speed	92
Ketosis	106
Somatic cell count	105
Temperament	97
Dghtr Calving Ease	104
Persistency	110
Maturity Rate	106

Sire Management traits

Trait	BV
Sire calving ease	100
Vitality	101
Calf survival	102

S: AMUSE
D: DELTA GRIETA
PGS: FRONTLINE
PGD: DELTA AFKE
MGS: JACUZZI-RED
MGD: DELTA GLENN

A2A2

PROGENY PROVEN

NETHERLANDS

NETHERLANDS

DELTA **EVERTON**

CRV SA

BORN: 2019/11/07	KAPPA/BETA CASEIN: BB / A2A2	SA ID: 936890029

CRV HEALTH	+4%	CRV EFFICIENCY	+4%
FERTILITY	100	INET	252
UDDER HEALTH	104	LONGEVITY	185
HOOF HEALTH	103	FEED EFFICIENCY	101

Production Traits

DGHTRS **5,883** • HRDS **1,804** • **99**% REL

Kg Milk	Fat%	Protein%	Kg Fat	Kg Protein
-7	0.40	0.34	38	32

Total Index

NVI	155

Conformation Traits

DGHTRS **3,192** • HRDS **923** • **99**% REL

Trait	BV
Frame	103
Dairy strength	104
Udder	109
Feet and legs	105
Total Type	109

Linear Traits

Trait	BV
Stature	98
Strength	101
Body depth	100
Rib structure	103
Condition score	102
Rump angle	99
Rump width	101
Rear legs rear view	104
Rear legs side view	99
Foot angle	101
Front feet orientation	102
Locomotion	106
Fore udder att.	108
Front teat placement	105
Teat length	104
Udder depth	105
Rear udder height	109
Rear teat placement	110
Udder balance	109
Central Ligament	109

Everton

Daughter Management traits

Trait	BV
Methane saved	102
Milking robot index	113
Milking speed	104
Ketosis	109
Somatic cell count	101
Temperament	99
Dghtr Calving Ease	104
Persistency	105
Maturity Rate	100

Sire Management traits

Trait	BV
Sire calving ease	100
Vitality	100
Calf survival	104

S: E PROFIT
D: DELTA EVELYN
PGS: MAGISTER
PGD: INEKE 130
MGS: NEWHOUSE JORBEN
MGD: SIENTJE 62

New Zealand Base

Breeding Indicators

DGHTRS **733** • HRDS **121** • **98**% REL

	BW	NZMI	Func Survival	LiveWt
BV	308	484	3.32	74
BA	56	66	0.6	51

CRV Efficiency 9

	Milk (ltrs)	Protein (kg)	Protein (%)	Fat (kg)	Fat (%)	Fat & Prot (lbs)
BV	922	38	3.7	54	4.6	91
BA	657	18	3.7	15	4.4	33

CRV Health -2

	Fertility	BCS	SCS	Hfr CD	Cow CD	Gest Length
BV	-7.6	0.10	-0.55	6.4	-0.1	4.7
BA	-2.1	-0.01	-0.03	5.9	1.5	-0.6

Shed Traits

	BV	BA
Adaptability Milking	**0.15**	0.13
Shed Temperament	**0.16**	0.14
Milking Speed	**0.10**	0.03
Overall Opinion	**0.28**	0.19

Conformation

	BV	BA
Stature	**0.90**	0.92
Capacity	**0.14**	0.05
Rump angle	**0.25**	0.02
Rump width	**0.49**	0.38
Legs	**-0.17**	-0.15
Udder support	**1.44**	0.49
Front udder	**1.23**	0.39
Rear udder	**1.50**	0.34
Front teat	**0.58**	0.22
Rear teat	**1.41**	0.35
Udder overall	**1.56**	0.49
Dairy conformation	**0.51**	0.19

D: Delta Evelyn

MGD: Sientje 62

Weelder Esmonique 38
(3rd dam of Everton)

Weelder Esmonique 22
(4th dam of Everton)

A2A2

PROGENY PROVEN

DELTA **PRESENT**

FEED EXCEL Breeding for Feed Efficiency

CRV SA

BORN: 2022/04/19	KAPPA/BETA CASEIN: AB / A2A2	SA ID:

CRV HEALTH	+5%	CRV EFFICIENCY	+10%
FERTILITY	104	INET	230
UDDER HEALTH	103	LONGEVITY	299
HOOF HEALTH	103	FEED EFFICIENCY	107

Present

Production Traits DGHTRS **0** • HRDS **0** • **80**% REL

Kg Milk	Fat%	Protein%	Kg Fat	Kg Protein
401	0.21	0.13	38	27

Total Index

NVI	205

Conformation Traits DGHTRS **0** • HRDS **0** • **90**% REL

Trait	BV	96 100 108
Frame	105	
Dairy strength	101	
Udder	103	
Feet and legs	108	
Total Type	107	

Linear Traits

Trait	BV	96 100 108
Stature	98	
Strength	101	
Body depth	101	
Rib structure	101	
Condition score	98	
Rump angle	104	
Rump width	103	
Rear legs rear view	110	
Rear legs side view	104	
Foot angle	99	
Front feet orientation	105	
Locomotion	108	
Fore udder att.	102	
Front teat placement	100	
Teat length	101	
Udder depth	100	
Rear udder height	102	
Rear teat placement	100	
Udder balance	98	
Central Ligament	104	

Daughter Management traits

Trait	BV	96 100 108
Methane saved	102	
Milking robot index	106	
Milking speed	95	
Ketosis	103	
Somatic cell count	104	
Temperament	106	
Dghtr Calving Ease	102	
Persistency	104	
Maturity Rate	101	

Sire Management traits

Trait	BV	96 100 108
Sire calving ease	104	
Vitality	103	
Calf survival	102	

S: JERONIMO
D: DELTA CATE 2
PGS: BARCLEY
PGD: DELTA JAIMA
MGS: YES
MGD: DELTA CATE

A2A2

INSIRE

DELTA **PERFECT**

FEED EXCEL Breeding for Feed Efficiency

CRV SA

BORN: 2022/06/05	KAPPA/BETA CASEIN: AB / A2A2	SA ID:

CRV HEALTH	+4%	CRV EFFICIENCY	+10%
FERTILITY	96	INET	324
UDDER HEALTH	104	LONGEVITY	248
HOOF HEALTH	108	FEED EFFICIENCY	106

Perfect

Production Traits DGHTRS **6,654** • HRDS **1,614** • **98**% REL

Kg Milk	Fat%	Protein%	Kg Fat	Kg Protein
518	0.33	0.19	55	37

Total Index

NVI	191

Conformation Traits DGHTRS **3,060** • HRDS **798** • **99**% REL

Trait	BV	96 100 108
Frame	104	
Dairy strength	103	
Udder	102	
Feet and legs	111	
Total Type	109	

Linear Traits

Trait	BV	96 100 108
Stature	100	
Strength	107	
Body depth	108	
Rib structure	108	
Condition score	99	
Rump angle	105	
Rump width	104	
Rear legs rear view	111	
Rear legs side view	96	
Foot angle	104	
Front feet orientation	109	
Locomotion	111	
Fore udder att.	103	
Front teat placement	102	
Teat length	99	
Udder depth	99	
Rear udder height	103	
Rear teat placement	101	
Udder balance	102	
Central Ligament	100	

Daughter Management traits

Trait	BV	96 100 108
Methane saved	102	
Milking robot index	106	
Milking speed	97	
Ketosis	105	
Somatic cell count	105	
Temperament	104	
Dghtr Calving Ease	102	
Persistency	107	
Maturity Rate	100	

Sire Management traits

Trait	BV	96 100 108
Sire calving ease	100	
Vitality	98	
Calf survival	104	

S: WOODY
D: DELTA PIEN
PGS: RANGER
PGD: RITA 1626A
MGS: DELTA JAFIN
MGD: DELTA PIPI

A2A2

PROGENY PROVEN

DELTA **CALIBER**

CRV SA

BORN: 18/12/2023 | KAPPA/BETA CASEIN: BB / A1A1 | SA ID:

CRV HEALTH	+7%	CRV EFFICIENCY	+12%
FERTILITY	105	INET	447
UDDER HEALTH	103	LONGEVITY	861
HOOF HEALTH	106	FEED EFFICIENCY	105

Production Traits DGHTRS **0** • HRDS **0** • **78**% REL

Kg Milk	Fat%	Protein%	Kg Fat	Kg Protein
1,272	0.18	0.08	73	53

Total Index

NVI	328

Caliber

Conformation Traits DGHTRS **0** • HRDS **0** • **89**% REL

Trait	BV
Frame	101
Dairy strength	105
Udder	106
Feet and legs	110
Total Type	110

Linear Traits

Trait	BV
Stature	100
Strength	105
Body depth	102
Rib structure	103
Condition score	104
Rump angle	94
Rump width	100
Rear legs rear view	108
Rear legs side view	96
Foot angle	107
Front feet orientation	104
Locomotion	110
Fore udder att.	105
Front teat placement	99
Teat length	103
Udder depth	103
Rear udder height	106
Rear teat placement	101
Udder balance	103
Central Ligament	104

Daughter Management traits

Trait	BV
Methane saved	99
Milking robot index	108
Milking speed	101
Ketosis	107
Somatic cell count	106
Temperament	104
Dghtr Calving Ease	105
Persistency	107
Maturity Rate	109

Sire Management traits

Trait	BV
Sire calving ease	103
Vitality	104
Calf survival	104

S: DELTA SURFER P — **PGS:** AGH BRANDUNG P
PGD: RHO BINGO
D: DELTA JELLA — **MGS:** RIOAVES
MGD: GASTELSVEERJELTJE 97

NEW

INSIRE

WEINTERPER **WODAN**

CRV SA

BORN: 02/12/2023 | KAPPA/BETA CASEIN: AB / A1A2 | SA ID: -

CRV HEALTH	+5%	CRV EFFICIENCY	+8%
FERTILITY	102	INET	360
UDDER HEALTH	106	LONGEVITY	540
HOOF HEALTH	109	FEED EFFICIENCY	103

Production Traits DGHTRS **0** • HRDS **0** • **79**% REL

Kg Milk	Fat%	Protein%	Kg Fat	Kg Protein
771	0.21	0.19	54	46

Total Index

NVI	269

MGGD of Wodan

Conformation Traits DGHTRS **0** • HRDS **0** • **89**% REL

Trait	BV
Frame	106
Dairy strength	103
Udder	109
Feet and legs	109
Total Type	112

Linear Traits

Trait	BV
Stature	102
Strength	105
Body depth	103
Rib structure	99
Condition score	103
Rump angle	97
Rump width	106
Rear legs rear view	109
Rear legs side view	108
Foot angle	95
Front feet orientation	106
Locomotion	112
Fore udder att.	108
Front teat placement	100
Teat length	107
Udder depth	107
Rear udder height	108
Rear teat placement	100
Udder balance	109
Central Ligament	103

Daughter Management traits

Trait	BV
Methane saved	101
Milking robot index	107
Milking speed	102
Ketosis	101
Somatic cell count	107
Temperament	102
Dghtr Calving Ease	101
Persistency	109
Maturity Rate	108

Sire Management traits

Trait	BV
Sire calving ease	104
Vitality	101
Calf survival	97

S: BORESO — **PGS:** RIOAVESO
PGD: DELTA BO DYL
D: ZWAANTJ E 532 — **MGS:** WAKE UP
MGD: ZWAANTJE 455

INSIRE

PEN-COL **LOCHLAN**

BORN: 26/06/2023 | KAPPA/BETA CASEIN: AA / A2A2 | SA ID: -

CRV HEALTH	+5%	CRV EFFICIENCY	+22%
FERTILITY	109	FAT AND PROTEIN (LBS)	166
UDDER HEALTH	106	PRODUCTIVE LIFE	4.9
HOOF HEALTH	98	FEED EFFICIENCY	113

Lochlan

Total index

NM$	CM$	FM$	TPI
988	1,017	921	3,403

Production Traits DGHTRS **0** • HRDS **0** • **82**% REL

lbs Milk	Fat%	Protein%	lbs Fat	lbs Protein
1,049	0.27	0.06	116	50

Linear traits DGHTRS **0** • HRDS **0** • **94**% REL

Trait	BV	-1	0	2
Udder	1.10			
Feet and legs	0.30			
Total Type	0.97			

Linear traits

Trait	BV	-1	0	2
Stature	-0.20			
Strength	-0.58			
Body depth	-0.69			
Dairy form	0.75			
Rump angle	0.34			
Rump width	0.73			
Rear legs side view	0.49			
Rear legs rear view	0.40			
Foot angle	-0.09			
Locomotion	0.23			
Fore udder att.	1.16			
Rear udder height	1.40			
Rear udder width	1.58			
Udder cleft	-0.03			
Udder depth	0.48			
Front teat placement	0.24			
Rear teat placement	0.03			
Teat length	-0.08			

Management/Health

Sire CE	PL(mo)	DPR	SCC
1.3	4.9	-0.9	2.85

Management

Trait	BV	96	100	108
Methane saved	102			
Milking robot ind.	108			
Milking speed	109			
Ketosis	98			
Temperament	104			
Persistency	102			
Maturity Rate	95			

S: OCD TROOPER SHEEPSTER
D: PEN-COL GAMEDAY GLAMOUR

PGS: PLAIN-KNOLL REN EGAD TROOPER
PGD: OCD ACURA SOY 60075
MGS: RMD-DOTTERER SSI GAMEDAY
MGD: PEN-COL LEGACY BEST

INSIRE

SYNERGY **OPULENT**

BORN: 26/05/2023 | KAPPA/BETA CASEIN: BB / A2A2 | SA ID: -

CRV HEALTH	+2%	CRV EFFICIENCY	+12%
FERTILITY	105	FAT AND PROTEIN (LBS)	90
UDDER HEALTH	96	PRODUCTIVE LIFE	0.8
HOOF HEALTH	99	FEED EFFICIENCY	107

Opulent

Total index

NM$	CM$	FM$	TPI
311	342	238	2,999

Production Traits DGHTRS **0** • HRDS **0** • **82**% REL

lbs Milk	Fat%	Protein%	lbs Fat	lbs Protein
485	0.12	0.08	53	37

Linear traits DGHTRS **0** • HRDS **0** • **81**% REL

Trait	BV	-1	0	2
Udder	1.71			
Feet and legs	1.13			
Total Type	2.22			

Linear traits

Trait	BV	-1	0	2
Stature	1.11			
Strength	1.00			
Body depth	1.38			
Dairy form	1.66			
Rump angle	0.61			
Rump width	1.84			
Rear legs side view	0.35			
Rear legs rear view	1.72			
Foot angle	1.20			
Locomotion	1.16			
Fore udder att.	2.14			
Rear udder height	2.31			
Rear udder width	2.34			
Udder cleft	0.72			
Udder depth	1.18			
Front teat placement	0.98			
Rear teat placement	1.14			
Teat length	-0.03			

Management/Health

Sire CE	PL(mo)	DPR	SCC
1.5	0.8	-2.2	3.04

Management

Trait	BV	96	100	108
Methane saved	100			
Milking robot ind.	103			
Milking speed	110			
Ketosis	102			
Temperament	102			
Persistency	111			
Maturity Rate	100			

S: SIEMERS RENEGADE PARFECT
D: SYNERGY BRASS PIPER

PGS: S-S-I PR RENEGADE
PGD: SIEMERS LMDA PARIS 27856
MGS: BLUMENFELD FRAZLD BRASS ET
MGD: SYNERGY DELTA PIPSQUEAK

A2A2

INSIRE

FUSTSYN **PARKER**

FEED EXCEL Breeding for Feed Efficiency

POWERED BY CDCB CRV

BORN: 11/29/2020	KAPPA/BETA CASEIN: BB / A2A2	SA ID:

CRV HEALTH	+1%	CRV EFFICIENCY	+11%
FERTILITY	102	FAT AND PROTEIN (LBS)	55
UDDER HEALTH	94	PRODUCTIVE LIFE	1.4
HOOF HEALTH	101	FEED EFFICIENCY	107

Parker

Total index

NM$	CM$	FM$	TPI
314	329	276	2,899

Production Traits DGHTRS **1,525** • HRDS **289** • **99**% REL

lbs Milk	Fat%	Protein%	lbs Fat	lbs Protein
282	0,09	0,04	35	20

Linear traits DGHTRS **605** • HRDS **145** • **98**% REL

Trait	BV
Udder	1.18
Feet and legs	1.43
Total Type	1.75

Linear traits

Trait	BV
Stature	0.57
Strength	0.80
Body depth	1.09
Dairy form	1.18
Rump angle	-1.16
Rump width	2,07
Rear legs side view	0.36
Rear legs rear view	2.03
Foot angle	0.91
Locomotion	1.32
Fore udder att.	0.85
Rear udder height	2.51
Rear udder width	1.55
Udder cleft	1.23
Udder depth	0.50
Front teat placement	-0,72
Rear teat placement	0.40
Teat length	1.22

Management/Health

Sire CE	PL(mo)	DPR	SCC
1.9	1.4	-0.7	3.03

Management

Trait	BV
Methane saved	100
Milking robot ind.	101
Milking speed	105
Ketosis	102
Temperament	99
Persistency	104
Maturity Rate	100

S: SIEMERS RENEGADE PARFECT
D: SYNERGY BRASS PIPER

PGS: S-S-I PR RENEGADE
PGD: SIEMERS LMDA PARIS 27856
MGS: BLUMENFELD FRAZLD BRASS ET
MGD: SYNERGY DELTA PIPSQUEAK

A2A2

PROGENY PROVEN

SIEMERS **ORONO**

POWERED BY CDCB CRV

BORN: 8/02/2021	KAPPA/BETA CASEIN: BE / A1A2	SA ID: -

CRV HEALTH	+1%	CRV EFFICIENCY	+9%
FERTILITY	102	FAT AND PROTEIN (LBS)	91
UDDER HEALTH	97	PRODUCTIVE LIFE	0.2
HOOF HEALTH	102	FEED EFFICIENCY	105

Orono

Total index

NM$	CM$	FM$	TPI
309	324	274	2,981

Production Traits DGHTRS **22** • HRDS **12** • **88**% REL

lbs Milk	Fat%	Protein%	lbs Fat	lbs Protein
956	0.04	0.03	51	40

Linear traits DGHTRS **0** • HRDS **0** • **82**% REL

Trait	BV
Udder	0.95
Feet and legs	1.50
Total Type	1.58

Linear traits

Trait	BV
Stature	1.08
Strength	1.22
Body depth	1.35
Dairy form	1.53
Rump angle	-0.40
Rump width	2.02
Rear legs side view	0.20
Rear legs rear view	2.22
Foot angle	1.58
Locomotion	1.44
Fore udder att.	0.75
Rear udder height	1.86
Rear udder width	2.33
Udder cleft	1.22
Udder depth	-0.45
Front teat placement	1.18
Rear teat placement	1.82
Teat length	0.91

Management/Health

Sire CE	PL(mo)	DPR	SCC
1.9	0.2	-1.2	3.07

Management

Trait	BV
Methane saved	102
Milking robot ind.	103
Milking speed	101
Ketosis	102
Temperament	99
Persistency	-
Maturity Rate	-

S: SIEMERS RENEGADE ROZLINE
D: SIEMERS LMDA PARIS 27856

PGS: S-S-1 PR RENEGADE
PGD: SIEMERS FRZLD ROZ 28450
MGS: FARNEAR DELTA-LAMBDA
MGD: SIEMERS DENVER PARIS

NEW

PROGENY PROVEN

MURITAI OMAH **WYMAN** OC S2F

BORN: 7/12/2020 KAPPA/BETA CASEIN: BB / A2A2 SA ID:

Breeding Indicators

	BW / Rel	NZMI	Func Survival	LiveWt
BV	319 / 89	405	0.6	63.1
BA	56	66	0.6	51

CRV Efficiency 4

116 DGHTRS • 37 HRDS

	Milk (lts)	Protein (kg)	Protein (%)	Fat (kg)	Fat (%)	Fat & Prot (kg)
BV	949	38	3.8	33	4.5	71
BA	657	18	3.7	15	4.4	33

CRV Health 6

	Fertility	BCS	SCS	Hfr CD	Cow CD	Gest Length
BV	1.4	0.05	-0.47	2	1.1	-2.9
BA	-2.1	-0.01	-0.03	5.9	1.5	-0.6

Shed Traits

	BV	BA
Adaptability Milking	**0.62**	0.13
Shed Temperament	**0.64**	0.14
Milking Speed	**0.17**	0.03
Overall Opinion	**0.64**	0.19

82 dtrs TOP

Conformation

	BV	BA
Stature	**0.64**	0.92
Capacity	**0.7**	0.05
Rump angle	**-0.02**	0.02
Rump width	**-0.01**	0.38
Legs	**-0.08**	-0.15
Udder support	**0.65**	0.49
Front udder	**0.82**	0.39
Rear udder	**0.7**	0.34
Front teat	**0.44**	0.22
Rear teat	**0.34**	0.35
Udder overall	**0.87**	0.49
Dairy conformation	**0.61**	0.19

Wyman

Wyman daughter

PGS: MARCHEL FIRE MACCA-OC S2F
S: BUSY BROOK OMAH-ET-OC S2F — **PGD:** KIWI EXTASY OLIVE S2F
D: MURITAI MAG WYNONA S3F — **MGS:** CRV DELTA MAGISTER
MGD: MURITAI BEAMER WYNONA S2F

NEW

SiryX A2A2

PROGENY PROVEN

CROSSROADS GOLD **OCTAVE**

BORN: 3/24/2019 KAPPA/BETA CASEIN: AB / A1A2 SA ID:

Breeding Indicators

	BW / Rel	NZMI	Func Survival	LiveWt
BV	306 / 90	345	-0.4	33.6
BA	56	66	0.6	51

CRV Efficiency 9

119 DGHTRS • 40 HRDS

	Milk (lts)	Protein (kg)	Protein (%)	Fat (kg)	Fat (%)	Fat & Prot (kg)
BV	1698	45	3.5	39	4.1	84
BA	657	18	3.7	15	4.4	33

CRV Health -2

	Fertility	BCS	SCS	Hfr CD	Cow CD	Gest Length
BV	-9.4	-0.13	-0.71	8.8	1.9	-2
BA	-2.1	-0.01	-0.03	5.9	1.5	-0.6

Shed Traits

	BV	BA
Adaptability Milking	**0.49**	0.13
Shed Temperament	**0.51**	0.14
Milking Speed	**0.08**	0.03
Overall Opinion	**0.47**	0.19

89 dtrs TOP

Conformation

	BV	BA
Stature	**0.92**	0.92
Capacity	**0.15**	0.05
Rump angle	**-0.29**	0.02
Rump width	**1.04**	0.38
Legs	**0.01**	-0.15
Udder support	**0.78**	0.49
Front udder	**0.91**	0.39
Rear udder	**0.65**	0.34
Front teat	**0.2**	0.22
Rear teat	**0.59**	0.35
Udder overall	**0.79**	0.49
Dairy conformation	**0.53**	0.19

Octave

Octave daughter

Octave daughter

PGS: FARSIDE M ILLUSTRIOUS S3F
S: MAIRE FI GOLDDIGGER — **PGD:** MAIRE FIRENZE GINA-ET
D: CROSSROADS SS OLGAS — **MGS:** SEAGULL-BAY SUPERSIRE-ET
MGD: CROSSROADS TOY OLGA S3F

PROGENY PROVEN

NEW ZEALAND

BUSYBROOK L **SCRIBE** ET S3F

BORN: 7/13/2020 KAPPA/BETA CASEIN: AA / A1A1 SA ID:

Breeding Indicators

	BW / Rel	NZMI	Func Survival	LiveWt
BV	190 / 89	241	3.3	64.9
BA	56	66	0.6	51

CRV Efficiency 2

121 DGHTRS • 36 HRDS

	Milk (lts)	Protein (kg)	Protein (%)	Fat (kg)	Fat (%)	Fat & Prot (kg)
BV	847	25	3.7	24	4.4	49
BA	657	18	3.7	15	4.4	33

CRV Health 2

	Fertility	BCS	SCS	Hfr CD	Cow CD	Gest Length
BV	5.2	0.19	0.57	9.6	2.4	-5.4
BA	-2.1	-0.01	-0.03	5.9	1.5	-0.6

Shed Traits

	BV	BA
Adaptability Milking	**0.34**	0.13
Shed Temperament	**0.34**	0.14
Milking Speed	**0.14**	0.03
Overall Opinion	**0.42**	0.19

Conformation

88 dtrs TOP

	BV	BA
Stature	**0.74**	0.92
Capacity	**0.5**	0.05
Rump angle	**0.15**	0.02
Rump width	**0.58**	0.38
Legs	**-0.03**	-0.15
Udder support	**0.71**	0.49
Front udder	**0.78**	0.39
Rear udder	**0.47**	0.34
Front teat	**0.45**	0.22
Rear teat	**0.54**	0.35
Udder overall	**0.79**	0.49
Dairy conformation	**0.66**	0.19

Scribe daughter

Scribe daughter

Scribe daughter

S: GORDONS AM LANCELOT S3F
D: BUSYBROOK B LOLA-ET S2F

PGS: ALJO TEF MAELSTROM-ET S3F
PGD:
MGS: SAN RAY FM BEAMER-ET S2F
MGD: BUSYBROOK FI LULU S2F

PROGENY PROVEN

MEANDER BV **FLYHIGH** ET S3F

BORN: 8/2/2019 KAPPA/BETA CASEIN: AB / A1A2 SA ID:

Breeding Indicators

	BW / Rel	NZMI	Func Survival	LiveWt
BV	227 / 89	276	1.7	91.1
BA	56	66	0.6	51

CRV Efficiency 0

106 DGHTRS • 37 HRDS

	Milk (lts)	Protein (kg)	Protein (%)	Fat (kg)	Fat (%)	Fat & Prot (kg)
BV	680	29	3.8	36	4.8	65
BA	657	18	3.7	15	4.4	33

CRV Health 3

	Fertility	BCS	SCS	Hfr CD	Cow CD	Gest Length
BV	0.7	0.14	0.03	5.8	2	0.7
BA	-2.1	-0.01	-0.03	5.9	1.5	-0.6

Shed Traits

	BV	BA
Adaptability Milking	**0.49**	0.13
Shed Temperament	**0.5**	0.14
Milking Speed	**0.29**	0.03
Overall Opinion	**0.48**	0.19

Conformation

82 dtrs TOP

	BV	BA
Stature	**1**	0.92
Capacity	**0.77**	0.05
Rump angle	**0.36**	0.02
Rump width	**0.28**	0.38
Legs	**-0.04**	-0.15
Udder support	**0.46**	0.49
Front udder	**0.47**	0.39
Rear udder	**0.39**	0.34
Front teat	**-0.05**	0.22
Rear teat	**-0.03**	0.35
Udder overall	**0.43**	0.49
Dairy conformation	**0.91**	0.19

Flyhigh

Flyhigh daughter

Flyhigh daughter

S: BUSY BROOK WTP VECTOR S3F
D: MEANDER 15-19-ET S2F

PGS: WEARNES FE TE POI S3F
PGD: BUSY BROOK GB VIVIEN S2F
MGS: GREENWELL FI BLADE S3F
MGD: MEANDER OLYMP FRANCES S1F

PROGENY PROVEN

PROCTER WY **GALANTYUS** OC S2F

BORN: 8/10/2024 KAPPA/BETA CASEIN: / A1A2 SA ID:

Breeding Indicators

	BW / Rel	NZMI	Func Survival	LiveWt
BV	386 / 58	463	1.04	47.5
BA	56	66	0.6	51

CRV Efficiency 6

DGHTRS • 0 HRDS

	Milk (lts)	Protein (kg)	Protein (%)	Fat (kg)	Fat (%)	Fat & Prot (kg)
BV	1153	44	3.8	32	4.3	76
BA	657	18	3.7	15	4.4	33

CRV Health 7

	Fertility	BCS	SCS	Hfr CD	Cow CD	Gest Length
BV	5.1	0.14	-0.24	3.7	0.4	2.2
BA	-2.1	-0.01	-0.03	5.9	1.5	-0.6

Galantyus

Shed Traits

	BV	BA
Adaptability Milking	**0.71**	0.13
Shed Temperament	**0.71**	0.14
Milking Speed	**0.27**	0.03
Overall Opinion	**0.82**	0.19

Conformation

dtrs TOP

	BV	BA
Stature	**0.62**	0.92
Capacity	**0.79**	0.05
Rump angle	**0.06**	0.02
Rump width	**0.53**	0.38
Legs	**-0.03**	-0.15
Udder support	**0.71**	0.49
Front udder	**0.85**	0.39
Rear udder	**0.53**	0.34
Front teat	**0.5**	0.22
Rear teat	**0.53**	0.35
Udder overall	**0.79**	0.49
Dairy conformation	**0.56**	0.19

S: MURITAI OMAH WYMAN-OC S2F
D: KFQX-20-49
PGS: BUSY BROOK OMAH-ET-OC S2F
PGD: MURITAI MAG WYNONA S3F
MGS: WAIMATA SB RANSOM-ET S2F
MGD: KFQX-16-31

NEW

INSIRE

BALANTIS W **PUMP-ACTION** OC S2F

BORN: 8/13/2022 KAPPA/BETA CASEIN: / A2A2 SA ID:

Breeding Indicators

	BW / Rel	NZMI	Func Survival	LiveWt
BV	264 / 59	318	2.41	55.3
BA	56	66	0.6	51

CRV Efficiency 2

DGHTRS • 0 HRDS

	Milk (lts)	Protein (kg)	Protein (%)	Fat (kg)	Fat (%)	Fat & Prot (kg)
BV	860	28	3.7	21	4.4	49
BA	657	18	3.7	15	4.4	33

CRV Health 8

	Fertility	BCS	SCS	Hfr CD	Cow CD	Gest Length
BV	7.1	0.21	-0.43	4.2	0.5	-1
BA	-2.1	-0.01	-0.03	5.9	1.5	-0.6

Pump-Action

Shed Traits

	BV	BA
Adaptability Milking	**0.36**	0.13
Shed Temperament	**0.43**	0.14
Milking Speed	**0.1**	0.03
Overall Opinion	**0.57**	0.19

Conformation

dtrs TOP

	BV	BA
Stature	**0.72**	0.92
Capacity	**0.93**	0.05
Rump angle	**-0.17**	0.02
Rump width	**0.34**	0.38
Legs	**-0.05**	-0.15
Udder support	**0.51**	0.49
Front udder	**0.72**	0.39
Rear udder	**0.43**	0.34
Front teat	**0.27**	0.22
Rear teat	**0.08**	0.35
Udder overall	**0.73**	0.49
Dairy conformation	**0.68**	0.19

S: MURITAI OMAH WYMAN-OC S2F
D: BALANTIS GRAND PAM-ET S1F
PGS: BUSY BROOK OMAH-ET-OC S2F
PGD: MURITAI MAG WYNONA S3F
MGS: BAGWORTH PF GRANDEUR S1F
MGD: BALANTIS GAUNT POPPY S2F

NEW

A2A2

INSIRE

NEW ZEALAND

WAIT-AND-SEE **ASPECT**

BORN: 2020-08-25	KAPPA/BETA CASEIN:	SA ID: 91007138

Production Traits DGHTRS • HRDS • **33**% REL

Milk Kg	Fat Kg	Fat%	Protein Kg	Protein %
49	32.2	0.28	16.4	0.14

Health Traits

Inbreeding %	Somatic	Herd Life
8.85%	-16.56	86

Aspect

Conformation (SA Base) DGHTRS • HRDS • **36**% REL

Trait	BV	96	100	108
Efficiency Index	117			
Udder	106			
Feet & Legs	101			
Rump Height	103			
Chest Width	102			
Body Depth	106			
Angularity	104			
Rump Angle	96			
Rump Width	107			
Rear Legs, Side	98			
Foot Angle	101			
Rear Legs, Rear	100			
Fore Udder Attach.	105			
Rear Udder Height	101			
Rear Udder Width	102			
Median Ligament	97			
Udder Depth	100			
Front Teat Placemen	100			
Rear Teat Placement	95			
Front Teat Length	103			

S: ABS CRIMSON-ET
D: WAIT-AND-SEE ANNA 725

PGS: DE-SU 13050 SPECTRE-ET
PGD: ENDCO RUBICON CORE-ET
MGS: BRANDVALE STOIC DAMIEN-ET
MGD: WAIT-AND-SEE ANNA 563

INSIRE

WAIT-AND-SEE **VISION**

BORN: 2020-06-30	KAPPA/BETA CASEIN:	SA ID: 91006908

Production Traits DGHTRS • HRDS • **36**% REL

Milk Kg	Fat Kg	Fat%	Protein Kg	Protein %
-129	15.5	0.27	0.11	0.20

Health Traits

Inbreeding %	Somatic	Herd Life
10.99%	-4.95	99

Vision

Conformation (SA Base) DGHTRS • HRDS • **38**% REL

Trait	BV	96	100	108
Efficiency Index	111			
Udder	111			
Feet & Legs	106			
Rump Height	97			
Chest Width	97			
Body Depth	100			
Angularity	102			
Rump Angle	102			
Rump Width	98			
Rear Legs, Side	100			
Foot Angle	100			
Rear Legs, Rear	99			
Fore Udder Attach.	99			
Rear Udder Height	103			
Rear Udder Width	105			
Median Ligament	102			
Udder Depth	96			
Front Teat Placemen	102			
Rear Teat Placement	107			
Front Teat Length	96			

S: ABS ACHIEVER0ET
D: WAIT-AND-SEE VYVYAN 229

PGS: WOODCREST MOGUL YODER-ET
PGD: COMPASS0TRT AMRC AE J9250ET
MGS: SEAGULL-BAY SUPERSIRE
MGD: WAIT-AND-SEE VYVYAN 206

INSIRE

Red and White

DELTA **BEARCAT** - RED

BORN: 2021/12/09 | KAPPA/BETA CASEIN: AB / A2A2 | SA ID: 97473847

CRV HEALTH	+2%	CRV EFFICIENCY	+8%
FERTILITY	101	INET	305
UDDER HEALTH	103	LONGEVITY	314
HOOF HEALTH	101	FEED EFFICIENCY	104

Production Traits DGHTRS **0** • HRDS **0** • **80**% REL

Kg Milk	Fat%	Protein%	Kg Fat	Kg Protein
715	0.05	0.21	37	45

Total Index

NVI	180

Bearcat

Conformation Traits DGHTRS **0** • HRDS **0** • **90**% REL

Trait	BV
Frame	102
Dairy strength	104
Udder	106
Feet and legs	109
Total Type	109

Linear Traits

Trait	BV
Stature	95
Strength	102
Body depth	101
Rib structure	103
Condition score	101
Rump angle	99
Rump width	104
Rear legs rear view	111
Rear legs side view	98
Foot angle	102
Front feet orientation	110
Locomotion	109
Fore udder att.	106
Front teat placement	111
Teat length	98
Udder depth	105
Rear udder height	104
Rear teat placement	106
Udder balance	109
Central Ligament	104

Daughter Management traits

Trait	BV
Methane saved	103
Milking robot index	106
Milking speed	98
Ketosis	106
Somatic cell count	104
Temperament	94
Dghtr Calving Ease	100
Persistency	109
Maturity Rate	110

Sire Management traits

Trait	BV
Sire calving ease	102
Vitality	99
Calf survival	98

PGS: ABUNDANT P
S: POWERLIFT — **PGD:** DELTA CATE
D: DELTA PAREL — **MGS:** POPCORN-RED
MGD: DELTA PRISCA

A2A2

INSIRE

DELTA **CHIPTUNER** - RED

FEED EXCEL Breeding for Feed Efficiency

BORN: 23/10/2023 | KAPPA/BETA CASEIN: BB / A2A2 | SA ID: -

CRV HEALTH	+7%	CRV EFFICIENCY	+14%
FERTILITY	100	INET	370
UDDER HEALTH	109	LONGEVITY	577
HOOF HEALTH	109	FEED EFFICIENCY	108

Production Traits DGHTRS **0** • HRDS **0** • **79**% REL

Kg Milk	Fat%	Protein%	Kg Fat	Kg Protein
859	0.30	0.10	66	40

Total Index

NVI	310

Chiptuner

Conformation Traits DGHTRS **0** • HRDS **0** • **89**% REL

Trait	BV
Frame	100
Dairy strength	102
Udder	107
Feet and legs	113
Total Type	111

Linear Traits

Trait	BV
Stature	103
Strength	97
Body depth	102
Rib structure	108
Condition score	95
Rump angle	102
Rump width	98
Rear legs rear view	112
Rear legs side view	102
Foot angle	99
Front feet orientation	106
Locomotion	113
Fore udder att.	106
Front teat placement	109
Teat length	98
Udder depth	106
Rear udder height	106
Rear teat placement	104
Udder balance	105
Central Ligament	103

Daughter Management traits

Trait	BV
Methane saved	103
Milking robot index	109
Milking speed	95
Ketosis	102
Somatic cell count	107
Temperament	104
Dghtr Calving Ease	102
Persistency	106
Maturity Rate	100

Sire Management traits

Trait	BV
Sire calving ease	104
Vitality	102
Calf survival	109

PGS: FREESTYLE-RED
S: BORAX-RED — **PGD:** DELTA LYSET
D: DELTA DEWY — **MGS:** LAUNCH PP-RED
MGD: DELTA DANA

INSIRE

BROEKHUIZEN **PETER P** - RED

CRV SA

BORN: 26/12/2022 | KAPPA/BETA CASEIN: BB / A2A2 | SA ID: -

CRV HEALTH	+3%	CRV EFFICIENCY	+9%
FERTILITY	100	INET	273
UDDER HEALTH	106	LONGEVITY	375
HOOF HEALTH	103	FEED EFFICIENCY	106

Peter P

Production Traits DGHTRS **0** • HRDS **0** • **80**% REL

Kg Milk	Fat%	Protein%	Kg Fat	Kg Protein
1,148	-0.17	-0.03	35	39

Total Index

NVI	200

Conformation Traits DGHTRS **0** • HRDS **0** • **90**% REL

Trait	BV	96	100	108
Frame	106			
Dairy strength	104			
Udder	108			
Feet and legs	106			
Total Type	110			

Linear Traits

Trait	BV	96	100	108
Stature	103			
Strength	102			
Body depth	106			
Rib structure	106			
Condition score	98			
Rump angle	105			
Rump width	107			
Rear legs rear view	108			
Rear legs side view	103			
Foot angle	94			
Front feet orientation	106			
Locomotion	107			
Fore udder att.	105			
Front teat placement	104			
Teat length	105			
Udder depth	106			
Rear udder height	108			
Rear teat placement	101			
Udder balance	110			
Central Ligament	104			

Daughter Management traits

Trait	BV	96	100	108
Methane saved	97			
Milking robot index	99			
Milking speed	99			
Ketosis	106			
Somatic cell count	107			
Temperament	99			
Dghtr Calving Ease	105			
Persistency	106			
Maturity Rate	106			

Sire Management traits

Trait	BV	96	100	108
Sire calving ease	103			
Vitality	102			
Calf survival	93			

PGS: ABUNDANT P
S: PANORAMA PP — **PGD:** MAIKE 3250 P
D: PETRA 21 — **MGS:** ELOY
MGD: PETRA 10

A2A2

INSIRE

DELTA **SPARKLE** - RED

FEED EXCEL Breeding for Feed Efficiency

CRV SA

BORN: 20/06/2022 | KAPPA/BETA CASEIN: BE / A1A2 | SA ID: -

CRV HEALTH	+3%	CRV EFFICIENCY	+14%
FERTILITY	98	INET	430
UDDER HEALTH	107	LONGEVITY	567
HOOF HEALTH	103	FEED EFFICIENCY	107

Sparkle

Production Traits DGHTRS **0** • HRDS **0** • **80**% REL

Kg Milk	Fat%	Protein%	Kg Fat	Kg Protein
1,231	0.22	0.03	76	47

Total Index

NVI	279

Conformation Traits DGHTRS **0** • HRDS **0** • **90**% REL

Trait	BV	96	100	108
Frame	103			
Dairy strength	99			
Udder	104			
Feet and legs	113			
Total Type	110			

Linear Traits

Trait	BV	96	100	108
Stature	98			
Strength	97			
Body depth	101			
Rib structure	102			
Condition score	95			
Rump angle	100			
Rump width	103			
Rear legs rear view	115			
Rear legs side view	100			
Foot angle	100			
Front feet orientation	105			
Locomotion	113			
Fore udder att.	101			
Front teat placement	99			
Teat length	99			
Udder depth	103			
Rear udder height	104			
Rear teat placement	97			
Udder balance	105			
Central Ligament	101			

Daughter Management traits

Trait	BV	96	100	108
Methane saved	100			
Milking robot index	105			
Milking speed	96			
Ketosis	96			
Somatic cell count	107			
Temperament	104			
Dghtr Calving Ease	101			
Persistency	108			
Maturity Rate	109			

Sire Management traits

Trait	BV	96	100	108
Sire calving ease	106			
Vitality	104			
Calf survival	96			

PGS: ABUNDANT P
S: POWERLIFT — **PGD:** DELTA CATE
D: HAVEP SHINE 1 — **MGS:** JACUZZI-RED
MGD: DELTA SHINE P

INSIRE

DELTA **BONFIRE P** - RED

FEED EXCEL Breeding for Feed Efficiency

CRV SA

BORN: 10/07/2024 | KAPPA/BETA CASEIN: BB / A2A2 | SA ID:

CRV HEALTH	+7%	CRV EFFICIENCY	+14%
FERTILITY	107	INET	378
UDDER HEALTH	108	LONGEVITY	714
HOOF HEALTH	109	FEED EFFICIENCY	108

Production Traits DGHTRS **0** • HRDS **0** • **78**% REL

Kg Milk	Fat%	Protein%	Kg Fat	Kg Protein
556	0.50	0.21	70	39

Total Index

NVI	353

Bonfire

Conformation Traits DGHTRS **0** • HRDS **0** • **89**% REL

Trait	BV	96	100	108
Frame	101			
Dairy strength	100			
Udder	107			
Feet and legs	112			
Total Type	110			

Linear Traits

Trait	BV	96	100	108
Stature	97			
Strength	99			
Body depth	99			
Rib structure	99			
Condition score	99			
Rump angle	97			
Rump width	100			
Rear legs rear view	112			
Rear legs side view	105			
Foot angle	98			
Front feet orientation	103			
Locomotion	113			
Fore udder att.	104			
Front teat placement	98			
Teat length	99			
Udder depth	105			
Rear udder height	106			
Rear teat placement	95			
Udder balance	103			
Central Ligament	101			

Daughter Management traits

Trait	BV	96	100	108
Methane saved	100			
Milking robot index	107			
Milking speed	106			
Ketosis	104			
Somatic cell count	107			
Temperament	101			
Dghtr Calving Ease	103			
Persistency	111			
Maturity Rate	104			

Sire Management traits

Trait	BV	96	100	108
Sire calving ease	104			
Vitality	100			
Calf survival	103			

S: DELTA PRIMETIME PP-RED
D: DELTA LAURENA#
PGS: DELTA TASKFORCE P-RED
PGD: DELTA WOLTSJE
MGS: WKM KENNY
MGD: DELTA LYSET

NEW A2A2

INSIRE

DELTA **POWERBANK** - RED

CRV SA

BORN: 29/06/2024 | KAPPA/BETA CASEIN: AB / A2A2 | SA ID: -

CRV HEALTH	+7%	CRV EFFICIENCY	+11%
FERTILITY	105	INET	437
UDDER HEALTH	106	LONGEVITY	592
HOOF HEALTH	112	FEED EFFICIENCY	105

Production Traits DGHTRS **0** • HRDS **0** • **78**% REL

Kg Milk	Fat%	Protein%	Kg Fat	Kg Protein
960	0.30	0.19	71	52

Total Index

NVI	338

Powerbank

Conformation Traits DGHTRS **0** • HRDS **0** • **89**% REL

Trait	BV	96	100	108
Frame	105			
Dairy strength	103			
Udder	107			
Feet and legs	112			
Total Type	112			

Linear Traits

Trait	BV	96	100	108
Stature	100			
Strength	103			
Body depth	101			
Rib structure	101			
Condition score	99			
Rump angle	97			
Rump width	109			
Rear legs rear view	114			
Rear legs side view	97			
Foot angle	104			
Front feet orientation	113			
Locomotion	112			
Fore udder att.	104			
Front teat placement	104			
Teat length	97			
Udder depth	101			
Rear udder height	109			
Rear teat placement	99			
Udder balance	98			
Central Ligament	100			

Daughter Management traits

Trait	BV	96	100	108
Methane saved	99			
Milking robot index	105			
Milking speed	97			
Ketosis	98			
Somatic cell count	109			
Temperament	102			
Dghtr Calving Ease	104			
Persistency	107			
Maturity Rate	104			

Sire Management traits

Trait	BV	96	100	108
Sire calving ease	103			
Vitality	102			
Calf survival	101			

S: DELTA SEDUCER P-RED
D: DELTA GAISKE
PGS: DELTA CANDYMAN P
PGD: DELTA LYFKE
MGS: AMERICAN ROVELLI-RED
MGD: WALDCLASS DELTA GRIETA

CREATE NEW A2A2

INSIRE

Jersey

BEHIND EVERY AUSTRALIAN JERSEY BULL THERE IS A **PROVEN COW FAMILY**

Loxleigh Badgers Iris 4 STP EX94

7 lact Av. 7,710 L, 283KgP, 3.7%P, 326KgF, 4.2%F

Same cow family: IRYMPLE

Kaarmona Aldrin Impish 3 EX90

1 lact. 6,005 L, 244KgP, 4.06%P, 317KgF, 5.28%F

Dam: IMPERIAL

Wallacedale Matt Madge EX91

2 lact Av. 6,857L, 269KgP, 3,9%P, 333KgF, 4.9%F

Dam: GADGET

Kings Ville Lassie 24 P EX92

4 lact Av. 7,410 L, 271KgP, 3,7%P, 385KgF, 5.2%F

MGD: BEDFORD

Bushlea Nathan Belle EX94

6 lact Av. 8,892 L, 332KgP, 3,7%P, 430KgF, 4.8%F

MGD: BIGTOP

Windy Ways Galaxies Dawn 7 EX95

5 lact Av. 6,775 L, 271KgP, 3,9%P, 331KgF, 5.1%F

Dam: DINGO

WALLACEDALE **STARK PP**

BORN: 29/08/2021	KAPPA/BETA CASEIN: BB / A2A2	SA ID: 95459103

Production

DGHTRS **38** • HRDS **10** • **78%** RIP

Milk	Fat Kg	Fat %	Protein Kg	Protein %	ASI
728	18	-0.41	16	-0.2	159

Indexes

Survival	Cell Count	Daughter Fertility
98	96	94
64% rel	65% rel	61% rel

Stark

Conformation

DGHTRS **16** • HRDS **8** • **65**% REL

Trait	BV
Overall Type	103
Mammary System	102
Stature	99
Angularity	105
Muzzle Width	107
Chest Width	99
Body Length	98
Body Depth	97
Pin Set	112
Pin Width	109
Loin Strength	102
Foot Angle	98
Rear Leg Set	103
Rear Leg Rear View	102
Bone Quality	106
Udder Texture	108
Udder Depth	100
Fore Attach	96
Rear Att Height	107
Rear Att Width	110
Centre Ligament	112
Teat Place Front	103
Teat Place Rear	117
Teat Length	89

Workability

DGHTRS **11** • HRDS **5** • **65**% REL

Trait	BV
Milking Speed	103
Temperament	101
Likeability	104

PIXSTAR P X TAHBILK

PP A2A2

PROGENY PROVEN

KAARMONA BROADWAY **IMPERIAL P**

BORN: 23/03/2023	KAPPA/BETA CASEIN: BB / A2A2	SA ID: -

Production

DGHTRS **0** • HRDS **0** • **78%** RIP

Milk	Fat Kg	Fat %	Protein Kg	Protein %	ASI
39	12	0.18	10	0.20	146

Indexes

Survival	Cell Count	Daughter Fertility
102	82	94
61% rel	68% rel	56% rel

Imperial

Conformation

DGHTRS **0** • HRDS **0** • **65**% REL

Trait	BV
Overall Type	110
Mammary System	110
Stature	101
Angularity	109
Muzzle Width	102
Chest Width	107
Body Length	101
Body Depth	106
Pin Set	105
Pin Width	103
Loin Strength	101
Foot Angle	102
Rear Leg Set	100
Rear Leg Rear View	103
Bone Quality	103
Udder Texture	111
Udder Depth	105
Fore Attach	107
Rear Att Height	112
Rear Att Width	109
Centre Ligament	110
Teat Place Front	102
Teat Place Rear	107
Teat Length	94

Workability

DGHTRS **0** • HRDS **0** • **70**% REL

Trait	BV
Milking Speed	104
Temperament	105
Likeability	107

BROADWAY X ALDRIN

NEW P A2A2

INSIRE

KINGS VILLE **BEDFORD P**

BORN: 24/08/2020 | KAPPA/BETA CASEIN: AB / A2A2 | SA ID: 93902336

Production DGHTRS **147** • HRDS **27** •94% RIP

Milk	Fat Kg	Fat %	Protein Kg	Protein %	ASI
342	12	-0.12	4	-0.16	70

Indexes

Survival	Cell Count	Daughter Fertility
100	122	95
72% rel	85% rel	68% rel

Conformation DGHTRS **43** • HRDS **7** • **78**% REL

Trait	BV
Overall Type	108
Mammary System	106
Stature	100
Angularity	111
Muzzle Width	111
Chest Width	107
Body Length	99
Body Depth	105
Pin Set	99
Pin Width	106
Loin Strength	100
Foot Angle	103
Rear Leg Set	94
Rear Leg Rear View	109
Bone Quality	106
Udder Texture	109
Udder Depth	101
Fore Attach	99
Rear Att Height	101
Rear Att Width	105
Centre Ligament	111
Teat Place Front	104
Teat Place Rear	110
Teat Length	102

Bedford

Bedford daughter

Bedford daughter

Workability DGHTRS **50** • HRDS **7** • **82**% REL

Trait	BV
Milking Speed	104
Temperament	108
Likeability	105

BASHFUL P X VOLCANO

P A2A2

PROGENY PROVEN

LOXLEIGH ROULETTE **IRYMPLE**

BORN: 21/09/2022 | KAPPA/BETA CASEIN: / A2A2 | SA ID:

Production DGHTRS **0** • HRDS **0** • **79%** RIP

Milk	Fat Kg	Fat %	Protein Kg	Protein %	ASI
259	16	0.04	10	0.03	147

Indexes

Survival	Cell Count	Daughter Fertility
101	90	100
59% rel	70% rel	58% rel

Conformation DGHTRS **0** • HRDS **0** • **65**% REL

Trait	BV
Overall Type	108
Mammary System	108
Stature	108
Angularity	108
Muzzle Width	108
Chest Width	101
Body Length	105
Body Depth	104
Pin Set	102
Pin Width	109
Loin Strength	104
Foot Angle	104
Rear Leg Set	99
Rear Leg Rear View	100
Bone Quality	114
Udder Texture	114
Udder Depth	99
Fore Attach	101
Rear Att Height	107
Rear Att Width	110
Centre Ligament	115
Teat Place Front	110
Teat Place Rear	115
Teat Length	97

Irymple

Workability DGHTRS **0** • HRDS **0** • **71**% REL

Trait	BV
Milking Speed	102
Temperament	105
Likeability	106

ROULETTE X VALENTINO

A2A2

INSIRE

LOXLEIGH IZUKU **VENTURA P**

BORN: 21/08/2022 | KAPPA/BETA CASEIN: / A2A2 | SA ID:

Production DGHTRS **0** • HRDS **0** • **78%** RIP

Milk	Fat Kg	Fat %	Protein Kg	Protein %	ASI
241	14	0.02	8	-0	122

Indexes

Survival	Cell Count	Daughter Fertility
100	101	94
55% rel	68% rel	56% rel

Conformation DGHTRS **0** • HRDS **0** • **62**% REL

Trait	BV
Overall Type	111
Mammary System	111
Stature	105
Angularity	105
Muzzle Width	113
Chest Width	106
Body Length	105
Body Depth	108
Pin Set	101
Pin Width	107
Loin Strength	109
Foot Angle	106
Rear Leg Set	97
Rear Leg Rear View	103
Bone Quality	105
Udder Texture	110
Udder Depth	101
Fore Attach	106
Rear Att Height	112
Rear Att Width	108
Centre Ligament	111
Teat Place Front	107
Teat Place Rear	109
Teat Length	100

Ventura

Workability DGHTRS **0** • HRDS **0** • **67**% REL

Trait	BV
Milking Speed	100
Temperament	104
Likeability	103

IZUKU X TAHBILK

SiryX P A2A2

INSIRE

BROOKBORA **BRANXTON P**

BORN: 03/08/2024 | KAPPA/BETA CASEIN: BB / A2A2 | SA ID:

Production DGHTRS **0** • HRDS **0** • **76%** RIP

Milk	Fat Kg	Fat %	Protein Kg	Protein %	ASI
296	24	0.15	15	0.1	224

Indexes

Survival	Cell Count	Daughter Fertility
100	102	93
50% rel	66% rel	51% rel

Conformation DGHTRS **0** • HRDS **0** • **59**% REL

Trait	BV
Overall Type	108
Mammary System	110
Stature	106
Angularity	109
Muzzle Width	104
Chest Width	102
Body Length	108
Body Depth	109
Pin Set	101
Pin Width	103
Loin Strength	107
Foot Angle	100
Rear Leg Set	98
Rear Leg Rear View	103
Bone Quality	108
Udder Texture	114
Udder Depth	101
Fore Attach	104
Rear Att Height	110
Rear Att Width	107
Centre Ligament	110
Teat Place Front	107
Teat Place Rear	106
Teat Length	104

BRANXTON SIRE: VENTURA P

Workability DGHTRS **0** • HRDS **0** • **63**% REL

Trait	BV
Milking Speed	102
Temperament	104
Likeability	104

- **Our first VENTURA son backed by the incomparable ASKN MELAINE**
- **Elite conformation offering capacious frames and improved dairy strength**
- **Exciting udders with longer teats and correct teat placement**

VENTURA X PROTEUS

NEW P A2A2

INSIRE

BEULAH **GT P**

BORN: 28/06/2024	KAPPA/BETA CASEIN: / A2A2	SA ID:

Production DGHTRS **0** • HRDS **0** • **77%** RIP

Milk	Fat Kg	Fat %	Protein Kg	Protein %	ASI
197	28	0.32	14	0.15	248

Indexes

Survival	Cell Count	Daughter Fertility
105	106	104
56% rel	67% rel	55% rel

GT

Conformation DGHTRS **0** • HRDS **0** • **62**% REL

Trait	BV	96 100 108
Overall Type	111	
Mammary System	109	
Stature	98	
Angularity	105	
Muzzle Width	102	
Chest Width	104	
Body Length	101	
Body Depth	100	
Pin Set	99	
Pin Width	107	
Loin Strength	106	
Foot Angle	107	
Rear Leg Set	102	
Rear Leg Rear View	102	
Bone Quality	102	
Udder Texture	109	
Udder Depth	99	
Fore Attach	104	
Rear Att Height	107	
Rear Att Width	107	
Centre Ligament	107	
Teat Place Front	104	
Teat Place Rear	102	
Teat Length	105	

Workability DGHTRS **0** • HRDS **0** • **64**% REL

Trait	BV	96 100 108
Milking Speed	103	
Temperament	103	
Likeability	106	

» **NEW RELEASE Starlord son from the Beulah herd**
» **Improved Daughter Fertility and Survival with favourable Workabilities**
» **Ideal choice for improved udder quality and added Teat Length**

STARLORD X DOUGGAN

NEW P A2A2

INSIRE

MIAMI **SONGSIDE**

BORN: 03/09/2022	KAPPA/BETA CASEIN: BB / A2A2	SA ID:

Production DGHTRS **0** • HRDS **0** • **78%** RIP

Milk	Fat Kg	Fat %	Protein Kg	Protein %	ASI
168	11	0.03	14	0.17	152

Indexes

Survival	Cell Count	Daughter Fertility
101	92	94
60% rel	68% rel	60% rel

SONGSIDE

Conformation DGHTRS **0** • HRDS **0** • **65**% REL

Trait	BV	96 100 108
Overall Type	111	
Mammary System	112	
Stature	103	
Angularity	110	
Muzzle Width	103	
Chest Width	104	
Body Length	102	
Body Depth	104	
Pin Set	102	
Pin Width	104	
Loin Strength	103	
Foot Angle	101	
Rear Leg Set	103	
Rear Leg Rear View	103	
Bone Quality	107	
Udder Texture	113	
Udder Depth	103	
Fore Attach	110	
Rear Att Height	107	
Rear Att Width	107	
Centre Ligament	110	
Teat Place Front	110	
Teat Place Rear	112	
Teat Length	101	

Workability DGHTRS **0** • HRDS **0** • **71**% REL

Trait	BV	96 100 108
Milking Speed	104	
Temperament	105	
Likeability	106	

CSCWOODSIDE X VANAHLEM

NEW A2A2

INSIRE

097JE00270 **LOCKHART**

CRV SA

MM LOCKHART {6}	Tucker X Thrasher X Lizzo	JE840003151934223

A2A2 **INSIRE**

POWERED BY CDCB

BORN: **2023-01-21**
aAa: **435261**
DMS: **246,126**
100% BBR
GFI: **8.7%**
KAPPA/BETA CASEIN: **BB / A2A2**

CRV EFFICIENCY +4%	
CFP **68**	PL **2.3**

CRV HEALTH -2%	
DPR **-1.0**	SCS **3.12**

Production Traits	DAUGHTERS 0 • HERDS 0 • 77% REL		
Milk(lbs)	**476**		
Fat (lbs)	**41**	Fat%	**0.09**
Protein(lbs)	**27**	Protein%	**0.05**

Health & Fertility			
PL	**2.3**	SCS	**3.12**
LIV	**1.1**	HCR	**1.3**
DPR	**-1.0**	CCR	**-0.2**

Index					
JPI	**124**	NM$	**381**	GM$	**339**
CM$	**396**	FM$	**342**		

Conformation	DAUGHTERS 0 • HERDS 0 • 80% REL		
PTA	**1.10**	JUI	**17.31**

Trait	BV	-1 0 2
Stature	0.20	
Strength	0.40	
Dairy Form	0.80	
Rump Angle	-0.70	
Rump Width	0.30	
Rear Legs Side	0.20	
Foot Angle	0.20	
Fore Udder Att.	0.70	
Rear Udder Height	1.20	
Rear Udder Width	0.60	
Udder Cleft	0.40	
Udder Depth	0.40	
Front Teat Placem.	0.80	
Teat Length	0.30	
Rear Teat Placem. R	0.50	
Rear Teat Placem. S	0.80	

PGS: AHLEM AXIS COMANCHE-ET
S: PRIMUS COMANCHE KES-TREL-P-ET
PGD: HILLVIEW MACHETE KEY-CHARM-P-ET
D: SANDCREEKS CHIEF 14091-P-ET GP-82
MGS: JX RIVER VALLEY CHIEF {6}-ET
MGD: JX SAND CREEK ZINC 12251 {6}-P-ET

097JE00265 **WESTERN**

CRV SA

JX OAK LANE WESTERN {6}	Ripp x Thrasher x Kawhi	JEUSA000067682350

A2A2 SiryX **INSIRE**

POWERED BY CDCB

BORN: **2020-08-24**
aAa: **234165**
DMS: **135,123**
100% BBR
GFI: **8.4%**
KAPPA/BETA CASEIN: **BB / A2A2**

CRV EFFICIENCY +4%	
CFP **51**	PL **3.0**

CRV HEALTH +5%	
DPR **-0.2**	SCS **2.81**

Production Traits	DAUGHTERS 0 • HERDS 0 • 77% REL		
Milk(lbs)	**568**		
Fat (lbs)	**27**	Fat%	**-0.01**
Protein(lbs)	**24**	Protein%	**0.01**

Health & Fertility			
PL	**3.0**	SCS	**2.81**
LIV	**-1.2**	HCR	**1.5**
DPR	**-0.2**	CCR	**0.3**

Index					
JPI	**145**	NM$	**310**	GM$	**278**
CM$	**324**	FM$	**281**		

Conformation	DAUGHTERS 0 • HERDS 0 • 77% REL		
PTA	**0.70**	JUI	**19.70**

Trait	BV	-1 0 2
Stature	0.60	
Strength	0.40	
Dairy Form	0.20	
Rump Angle	0.60	
Rump Width	0.00	
Rear Legs Side	-0.10	
Foot Angle	0.30	
Fore Udder Att.	1.20	
Rear Udder Height	1.20	
Rear Udder Width	0.60	
Udder Cleft	0.40	
Udder Depth	0.60	
Front Teat Placem.	0.50	
Teat Length	0.00	
Rear Teat Placem. R	0.60	
Rear Teat Placem. S	0.80	

PGS: JX RIVER VALLEYCHIEF {6} ET
S: JX METCALF RIPP {5}-ET
PGD: JX JER BEL FOURNETTE KIDRON {4}-ET
D: JX OAK LANE THRASHER P1454 {5}
MGS: JX CDF JLS PILGRIM THRASHER {6}-ET
MGD:

097JE00247 **CANADIAN**

CRV SA

JX BOS RIPP DA CANADIAN {6}-ET	Ripp x Trooper x Chrome	JE840003267388226

A2A2 INSIRE

POWERED BY CDCB

BORN: **2023-10-04**
aAa: **432516**
DMS: **561,456**
100% BBR
GFI: **8.8%**
KAPPA/BETA CASEIN: **BB / A2A2**

CRV EFFICIENCY +5%	
CFP **67**	PL **2.6**

CRV HEALTH 0%	
DPR **-1.5**	SCS **2.93**

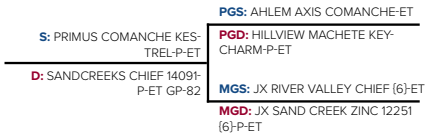
Production Traits	DAUGHTERS 0 • HERDS 0 • 77% REL		
Milk(lbs)	**987**		
Fat (lbs)	**36**	Fat%	**-0.073**
Protein(lbs)	**31**	Protein%	**-0.03**

Health & Fertility			
PL	**2.6**	SCS	**2.93**
LIV	**-0.8**	HCR	**0.1**
DPR	**-1.5**	CCR	**-0.7**

Index					
JPI	**135**	NM$	**390**	GM$	**349**
CM$	**393**	FM$	**383**		

Conformation	DAUGHTERS 0 • HERDS 0 • 80% REL		
PTA	**0.80**	JUI	**15.50**

Trait	BV
Stature	0.20
Strength	-0.20
Dairy Form	0.90
Rump Angle	0.10
Rump Width	-0.10
Rear Legs Side	-0.10
Foot Angle	0.20
Fore Udder Att.	0.20
Rear Udder Height	1.40
Rear Udder Width	1.30
Udder Cleft	1.00
Udder Depth	-0.30
Front Teat Placem.	0.70
Teat Length	0.60
Rear Teat Placem. R	0.70
Rear Teat Placem. S	1.10



097JE00272 **BECK**

CRV SA

JX PINE-TREE BECK {6}	VIERRA x Pilgrim x Enzo	

A2A2 NEW INSIRE

POWERED BY CDCB

BORN: **2023-11-18**
aAa: 432516
DMS:
100% BBR
GFI:
KAPPA/BETA CASEIN: **BB / A2A2**

CRV EFFICIENCY +4%	
CFP **63**	PL **2.0**

CRV HEALTH +2%	
DPR **-0.5**	SCS **2.90**

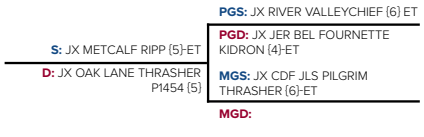
Production Traits	DAUGHTERS 0 • HERDS 0 • 77% REL		
Milk(lbs)	**310**		
Fat (lbs)	**38**	Fat%	**0.12**
Protein(lbs)	**25**	Protein%	**0.07**

Health & Fertility			
PL	**2.0**	SCS	**2.90**
LIV	**-0.7**	HCR	**1.3**
DPR	**-0.5**	CCR	**0.1**

Index					
JPI	**145**	NM$	**310**	GM$	**278**
CM$	**324**	FM$	**281**		

Conformation	DAUGHTERS 0 • HERDS 0 • 77% REL		
PTA	**0.50**	JUI	**15.70**

Trait	BV
Stature	1.90
Strength	1.40
Dairy Form	0.40
Rump Angle	0.20
Rump Width	0.70
Rear Legs Side	-0.60
Foot Angle	0.80
Fore Udder Att.	1.00
Rear Udder Height	-0.10
Rear Udder Width	0.40
Udder Cleft	0.30
Udder Depth	0.50
Front Teat Placem.	0.50
Teat Length	0.30
Rear Teat Placem. R	0.70
Rear Teat Placem. S	-0.20



GLEN KAYCEE **SHERLOCK** JG

BORN: 6/7/2019 KAPPA/BETA CASEIN: BB / A2A2 SA ID:

Breeding Indicators

	BW / Rel	NZMI	Func Survival	LiveWt
BV	457 / 91	454	2.8	-37.5
BA	159	146	0.2	-57

CRV Efficiency 8 120 DGHTRS • 35 HRDS

	Milk (lts)	Protein (kg)	Protein (%)	Fat (kg)	Fat (%)	Fat & Prot (kg)
BV	-315	12	4.3	33	5.9	45
BA	-616	-11	4.1	4	5.5	-6

CRV Health 11

	Fertility	BCS	SCS	Hfr CD	Cow CD	Gest Length
BV	7.1	-0.01	-0.06	-8.6	-1.9	0
BA	3.5	-0.04	-0.18	-8.7	-2	1.1

Shed Traits

	BV	BA
Adaptability Milking	**0.04**	0.1
Shed Temperament	**0.03**	0.1
Milking Speed	**0.14**	0.07
Overall Opinion	**0.05**	0.07

Conformation 103 dtrs TOP

	BV	BA
Stature	**-0.91**	-0.95
Capacity	**0.46**	0.12
Rump angle	**-0.07**	-0.08
Rump width	**-0.81**	-0.3
Legs	**0.09**	0.08
Udder support	**0.14**	0.1
Front udder	**-0.08**	0.26
Rear udder	**0.33**	0.36
Front teat	**0.49**	0.08
Rear teat	**0.53**	-0.17
Udder overall	**0.32**	0.29
Dairy conformation	**0.35**	0.09

Sherlock

Sherlock daughter

Sherlock daughter

S: PUKEROA GUN WALKER JG
D: GLEN KAYCEE SKALLYWAG JG
PGS: LEITHLEA GUN OF A SUN
PGD: PUKEROA ZELLAS BELLERO
MGS: OKURA LT INTEGRITY
MGD: GLEN KAYCEE SPEED SKATER

A2A2

PROGENY PROVEN

Northland bull wins prestigious national award

A Northland-bred Jersey bull that has won a prestigious national award for siring top producing daughters in the New Zealand milking herd, is also an example of how genomics can super charge breeding in our dairy industry.

Glen Kaycee Sherlock JG, a CRV Jersey bull bred by the Tucker family from Northland, has won the JT Thwaites Sire of the Season. He was also New Zealand's top bull across all breeds in the April 2024 Ranking of Active Sires (RAS).

Sherlock and his sire, Pukeroa Gun Walker JG, were both bred through the JerseyGenome™ programme, which is designed to identify elite yearling heifers using genomic selection and customised matings.

The Tucker family are long-standing participants in the JerseyGenome™ programme, and every season make all replacement heifers available for genomic testing. Christine Tucker says their goal was always to produce a bull that would be marketed by a national breeding company, but Sherlock surpassed all their expectations.

"To us having a bull marketed was the ultimate achievement, but it's a complete surprise to see Sherlock come through like he has," says Christine.

The JT Thwaites Sire of the Season award recognises sires who have the potential to significantly influence the quality of cows within dairy herds across New Zealand, says Steve Ireland, JerseyNZ's convenor for Jersey NZ's Genetics Committee.

"I would like to congratulate the Tucker family and CRV for breeding Sherlock. Sherlock is a very worthy recipient of this award. His 622 BW backed by outstanding production BVs and very positive fertility is an achievement in itself, when you couple this with a degree of genetic diversity, Sherlock's value to the Jersey population will be significant," says Steve.

CRV Regional Breeding Manager Jenna O'Sullivan. says Sherlock's success demonstrates the value of genomics to the dairy industry.

"Sherlock offers excellent CRV Health and Efficiency scores. He also offers breeders production with both protein and fat and great conformation," says Jenna.

Sherlock's dam Skallywag, was bred through several generations from a cow purchased by the Tuckers in 1989 as they were growing their herd. She was identified for breeding as part of the JerseyGenome™ programme.

"Sherlock's dam is a big-framed Jersey with better than average production, and CRV selected Pukeroa Gun Walker JG as a complementary mating sire.. Sherlock was the resulting bull, born in 2019," says Christine.

"It was that sire selection, with Walker also being a genomic sire, that has seen the genetic gain come through on Sherlock's sire's side.

Jenna says, "Using genomics, we can strategically combine desirable traits and minimise the transmission of undesirable genetic factors. That means we can improve the overall quality of the bull's progeny."

CRV is a leader in helping farmers breed healthy and efficient animals. Jenna says Sherlock is an excellent example of the standard the company is setting, particularly with its genomic sires.

"Genomics gives us more accurate insights into a bull's potential at a much younger age. It super charges our breeding programme by allowing us to make more informed decisions by selecting bulls with complementary genetic profiles to breed with."

Christine explains that they have always focused on breeding a well put together Jersey cow that is slightly larger with good udders.

"Sherlock is a good example of a sire that will deliver all of that for New Zealand dairy farmers whether they are Jersey breeders or not," she says.

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NO BULL CARRICK **CHARNOCK**

BORN: 8/7/2019 KAPPA/BETA CASEIN: BB / A2A2 SA ID:

Breeding Indicators

	BW / Rel	NZMI	Func Survival	LiveWt
BV	351 / 86	366	2	-19.6
BA	159	146	0.2	-57

CRV Efficiency 4

71 DGHTRS • 28 HRDS

	Milk (lts)	Protein (kg)	Protein (%)	Fat (kg)	Fat (%)	Fat & Prot (kg)
BV	-375	1	4.1	31	5.9	32
BA	-616	-11	4.1	4	5.5	-6

CRV Health 12

	Fertility	BCS	SCS	Hfr CD	Cow CD	Gest Length
BV	3.4	0.14	-0.27	-9.1	-1.6	3.1
BA	3.5	-0.04	-0.18	-8.7	-2	1.1

Shed Traits

	BV	BA
Adaptability Milking	**0.17**	0.1
Shed Temperament	**0.17**	0.1
Milking Speed	**0.23**	0.07
Overall Opinion	**0.23**	0.07

55 dtrs TOP

Conformation

	BV	BA
Stature	**-0.66**	-0.95
Capacity	**0.9**	0.12
Rump angle	**0.14**	-0.08
Rump width	**-0.07**	-0.3
Legs	**-0.02**	0.08
Udder support	**0.43**	0.1
Front udder	**0.18**	0.26
Rear udder	**0.56**	0.36
Front teat	**0.26**	0.08
Rear teat	**0.45**	-0.17
Udder overall	**0.5**	0.29
Dairy conformation	**0.87**	0.09

Charnock

Charnock daughter

Charnock daughter

S: PUKETAWA KING CARRICK JG
D: GAYDENE TERIFIC CHARLOTTE

PGS: ROMA MURMUR KINGPIN S3J
PGD: PUKETAWA MAU CORONA
MGS: LYNBROOK TERRIFIC ET S3J
MGD: GAYDENE JOSKIN OLA

SiryX A2A2

PROGENY PROVEN

PURIRI MAGNUM **STRIKER**

BORN: 7/29/2021 KAPPA/BETA CASEIN: BB / A2A2 SA ID:

Breeding Indicators

	BW / Rel	NZMI	Func Survival	LiveWt
BV	446 / 88	442	0	-41.9
BA	159	146	0.2	-57

CRV Efficiency 6

113 DGHTRS • 32 HRDS

	Milk (lts)	Protein (kg)	Protein (%)	Fat (kg)	Fat (%)	Fat & Prot (kg)
BV	-441	1	4.2	42	6.3	43
BA	-616	-11	4.1	4	5.5	-6

CRV Health 11

	Fertility	BCS	SCS	Hfr CD	Cow CD	Gest Length
BV	3.1	-0.02	-0.28	-8	-2.9	2.8
BA	3.5	-0.04	-0.18	-8.7	-2	1.1

Shed Traits

	BV	BA
Adaptability Milking	**0.09**	0.1
Shed Temperament	**0.09**	0.1
Milking Speed	**0.08**	0.07
Overall Opinion	**0.09**	0.07

86 dtrs TOP

Conformation

	BV	BA
Stature	**-0.85**	-0.95
Capacity	**0.38**	0.12
Rump angle	**-0.44**	-0.08
Rump width	**-0.22**	-0.3
Legs	**0.02**	0.08
Udder support	**0.48**	0.1
Front udder	**0.34**	0.26
Rear udder	**0.7**	0.36
Front teat	**0.41**	0.08
Rear teat	**0.2**	-0.17
Udder overall	**0.7**	0.29
Dairy conformation	**0.43**	0.09

Striker daughter

Striker daughter

S: OKURA DEGREES MAGNUM
D: PURIRI TRIPLE SAMANTHA ET

PGS: ARRIETA NN DEGREE ET
PGD: OKURA JACKSON MOMENT
MGS: BRAEDENE PAS TRIPLESTAR
MGD: PURIRI TERRIFIC SAMMY

NEW A2A2

PROGENY PROVEN

PURIRI DEC **JACKAHOY** JG

BORN: 26/07/2024 KAPPA/BETA CASEIN: BB / A2A2 SA ID:

Breeding Indicators

	BW / Rel	NZMI	Func Survival	LiveWt
BV	414 / 58	413	2.1	-11
BA	159	146	0.2	-57

CRV Efficiency 4

0 DGHTRS • 0 HRDS

	Milk (lts)	Protein (kg)	Protein (%)	Fat (kg)	Fat (%)	Fat & Prot (kg)
BV	-399	5	4.3	40	6.1	45
BA	-616	-11	4.1	4	5.5	-6

CRV Health 10

	Fertility	BCS	SCS	Hfr CD	Cow CD	Gest Length
BV	0.4	0.21	-0.14	-8.1	-1.7	-3.5
BA	3.5	-0.04	-0.18	-8.7	-2	1.1

Shed Traits

	BV	BA
Adaptability Milking	**0.12**	0.1
Shed Temperament	**0.03**	0.1
Milking Speed	**0.35**	0.07
Overall Opinion	**0.25**	0.07

0 dtrs TOP

Conformation

	BV	BA
Stature	**-0.47**	-0.95
Capacity	**1.23**	0.12
Rump angle	**-0.14**	-0.08
Rump width	**0.27**	-0.3
Legs	**0.16**	0.08
Udder support	**0.34**	0.1
Front udder	**0.46**	0.26
Rear udder	**0.57**	0.36
Front teat	**0.12**	0.08
Rear teat	**0.26**	-0.17
Udder overall	**0.52**	0.29
Dairy conformation	**1.02**	0.09

JACKAHOY

S: BAILEYS CARICK DECORUM ET
D: PURIRI KIRKWOOD JUSTINE JG
PGS: PUKETAWA KING CARRICK JG
PGD: ARRIETA BRAHMS DESI
MGS: BAILEYS MONDALE KIRKWOOD
MGD: PURIRI MISTY JUSTICE

NEW A2A2

INSIRE

LITTLE RIVER **NUCLEUS** S3J

BORN: 8/8/2016 KAPPA/BETA CASEIN: AB / A2A2 SA ID:

Breeding Indicators

	BW / Rel	NZMI	Func Survival	LiveWt
BV	391 / 99	380	2.3	-64.8
BA	159	146	0.2	-57

CRV Efficiency 6

6102 DGHTRS • 723 HRDS

	Milk (lts)	Protein (kg)	Protein (%)	Fat (kg)	Fat (%)	Fat & Prot (kg)
BV	-417	3	4.2	18	5.7	21
BA	-616	-11	4.1	4	5.5	-6

CRV Health 11

	Fertility	BCS	SCS	Hfr CD	Cow CD	Gest Length
BV	6.6	0.01	-0.58	-9.1	-1.3	4.3
BA	3.5	-0.04	-0.18	-8.7	-2	1.1

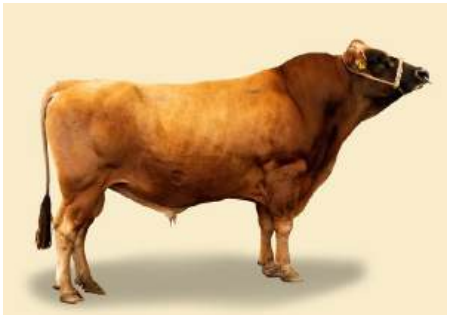
Shed Traits

	BV	BA
Adaptability Milking	**0.07**	0.1
Shed Temperament	**0.07**	0.1
Milking Speed	**0.18**	0.07
Overall Opinion	**0.12**	0.07

656 dtrs TOP

Conformation

	BV	BA
Stature	**-0.82**	-0.95
Capacity	**0.07**	0.12
Rump angle	**-0.23**	-0.08
Rump width	**-1.12**	-0.3
Legs	**0.15**	0.08
Udder support	**0.24**	0.1
Front udder	**0.19**	0.26
Rear udder	**0.86**	0.36
Front teat	**0.24**	0.08
Rear teat	**-0.16**	-0.17
Udder overall	**0.58**	0.29
Dairy conformation	**0.07**	0.09



Nucleus

Nucleus daughter

Nucleus daughter

S: STRATFORD WTH STRIDER S2J
D: LITTLE RIVER MAU NITA S3J
PGS: WILLIAMS TGM HENRY
PGD: STRATFORD DODDYS DAME S3J
MGS: MARSDEN SN MAUMAU
MGD: LITTLE RIVER NANNY S2J

A2A2

PROGENY PROVEN

LYNRICH JEET **JARVIS** JG

BORN: 7/20/2023 KAPPA/BETA CASEIN: / A2A2 SA ID:

Breeding Indicators

	BW / Rel	NZMI	Func Survival	LiveWt
BV	465 / 59	484	2.26	-30.8
BA	159	146	0.2	-57

CRV Efficiency 6

DGHTRS • 0 HRDS

	Milk (lts)	Protein (kg)	Protein (%)	Fat (kg)	Fat (%)	Fat & Prot (kg)
BV	-462	8	4.4	30	6	38
BA	-616	-11	4.1	4	5.5	-6

CRV Health 13

	Fertility	BCS	SCS	Hfr CD	Cow CD	Gest Length
BV	8.3	0.18	-0.21	-6.2	-0.8	3.9
BA	3.5	-0.04	-0.18	-8.7	-2	1.1

Shed Traits

	BV	BA
Adaptability Milking	**0.29**	0.1
Shed Temperament	**0.3**	0.1
Milking Speed	**0.19**	0.07
Overall Opinion	**0.43**	0.07

Conformation

dtrs TOP

	BV	BA
Stature	**-0.55**	-0.95
Capacity	**0.99**	0.12
Rump angle	**-0.04**	-0.08
Rump width	**0.13**	-0.3
Legs	**0.18**	0.08
Udder support	**0.73**	0.1
Front udder	**0.68**	0.26
Rear udder	**0.79**	0.36
Front teat	**0.08**	0.08
Rear teat	**0.1**	-0.17
Udder overall	**0.73**	0.29
Dairy conformation	**0.66**	0.09

JARVIS

Dam: Lynrich Glory Jamie

S: ROCKLEA DARBY JEET
D: LYNRICH GLORY JAMIE
PGS: DRUMCLOG INDEX DARBY
PGD: WILLIAMS TERRI JAYNE S3J
MGS: FREYDAN BT GLORY-ET
MGD: LYNRICH FLOYD JAN

NEW A2A2

INSIRE

AVONDROOD **INSTANT**

BORN: 2023-07-24 KAPPA/BETA CASEIN: A2A2 SA ID: 95705927

Production Traits

DGHTRS • HRDS • **75**% REL

Milk Kg	Fat Kg	Fat%	Protein Kg	Protein %
419	12.2	-0.16	17.2	0.01

Indexes

SAINET	FMI	CYI	FUI
101	101	101	98

Health Traits

Inbreeding %	Somatic	Herd Life
8.17	4.29	80

INSTANT

Conformation (SA Base)

DGHTRS • HRDS • **75**% REL

Trait	BV
Frame	106
Udder	102
Feet and legs	93
Wither Height	104
Chest width	106
Body depth	107
Dairy strength	107
Rump angle	102
Rump width	108
Rear legs side	104
Foot angle	104
Rear legs rear	98
Fore udder att.	99
Rear udder height	103
Rear udder width	106
Central Ligament	106
Udder depth	95
Front teat placement	105
Rear teat placement	97
Teat length	106

Dam: AVONDROOD RACEWAY NAN

S: INVINCIBLE
D: AVONDROOD RACEWAY NAN
PGS: BROADLIN HATMAN - ET
PGD: LOXLEIGH VALENTINO VANESSA ET
MGS: RACEWAY
MGD: AVONDROOD ARON NAN

A2A2

INSIRE

AVONDROOD **STICKS**

BORN: 19-08-2021 | KAPPA/BETA CASEIN: A2A2 | SA ID: 93717197

Production Traits

DGHTRS • HRDS • **78**% REL

Milk Kg	Fat Kg	Fat%	Protein Kg	Protein %
122	13.4	0.11	6.3	0.03

Indexes

SAINET	FMI	CYI	FUI
107	107	108	110

Health Traits

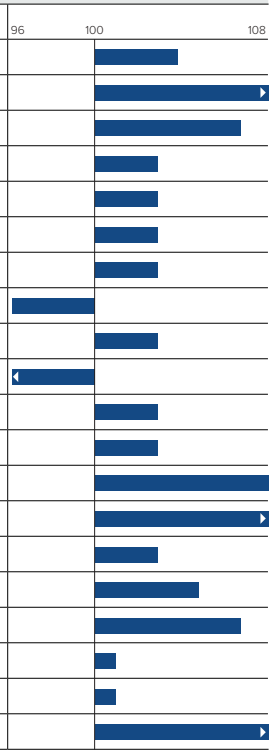
Inbreeding %	Somatic	Herd Life
7.81	-11.23	114

Dam to Sticks

Conformation (SA Base)

DGHTRS • HRDS • **76**% REL

Trait	BV
Frame	104
Udder	112
Feet and legs	107
Wither Height	103
Chest width	103
Body depth	103
Dairy strength	103
Rump angle	96
Rump width	103
Rear legs side	95
Foot angle	103
Rear legs rear	103
Fore udder att.	108
Rear udder height	110
Rear udder width	103
Central Ligament	105
Udder depth	107
Front teat placement	101
Rear teat placement	101
Teat length	109



S: JX CROSSWIND PRIX {4} ET
D: AVONDROOD OLIVER P TRIEKS 5 ET
PGS: JX PVF WC ZINC {5} ET
PGD: JX CROSSWIND MARLO {3} ET
MGS: DUTCH HOLLOW OLIVER P ET
MGD: AVONDROOD TBONE TRIEKS

A2A2

INSIRE

AVONDROOD NEVIN **MONTY**

BORN: 17-06-2015 | KAPPA/BETA CASEIN: | SA ID: 82135641

Production Traits

237 DGHTRS • **7** HRDS • **56**% REL

Milk Kg	Fat Kg	Fat%	Protein Kg	Protein %
245	11.8	-0.03	5.4	-0.07

Indexes

SAINET	FMI	CYI	FUI
103	104	103	104

Health Traits

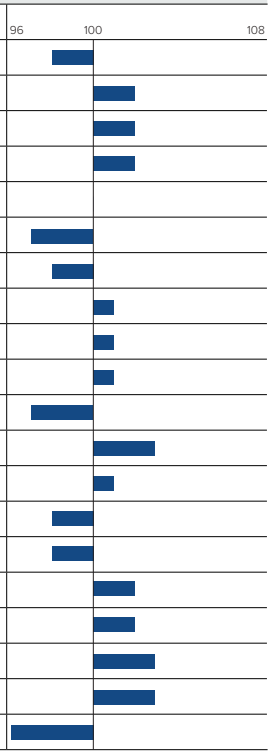
Inbreeding %	Somatic	Herd Life
10.43	-6.87	103

Dam of Monty

Conformation (SA Base)

DGHTRS • HRDS • **49**% REL

Trait	BV
Frame	98
Udder	102
Feet and legs	102
Wither Height	102
Chest width	100
Body depth	97
Dairy strength	98
Rump angle	101
Rump width	101
Rear legs side	101
Foot angle	97
Rear legs rear	103
Fore udder att.	101
Rear udder height	98
Rear udder width	98
Central Ligament	102
Udder depth	102
Front teat placement	103
Rear teat placement	103
Teat length	96



S: ALL LYNNS IRWIN NEVIN ET
D: AVONDROOD ACE MANDA
PGS: ALL LYNNS VALENTINO IRWIN-ET
PGD: SPRING CREEK TBONE NETTY ET
MGS: SENN SATIONAL PARAMOUNT ACE
MGD: AVONDROOD LOMU MANDA

PROGENY PROVEN

ZAAIBERG MATE **WARRIOR**

BORN: 28-06-2021 | KAPPA/BETA CASEIN: A2A2 | SA ID: 93248599

Production Traits

DGHTRS • HRDS • **79**% REL

Milk Kg	Fat Kg	Fat%	Protein Kg	Protein %
368	24.2	0.07	16.6	0.04

Indexes

SAINET	FMI	CYI	FUI
110	111	112	105

Health Traits

Inbreeding %	Somatic	Herd Life
12.69	5.45	118

Warrior

Conformation (SA Base)

DGHTRS • HRDS • **77**% REL

Trait	BV	96	100	108
Frame	102			
Udder	110			
Feet and legs	112			
Wither Height	108			
Chest width	100			
Body depth	97			
Dairy strength	101			
Rump angle	103			
Rump width	103			
Rear legs side	98			
Foot angle	105			
Rear legs rear	109			
Fore udder att.	104			
Rear udder height	104			
Rear udder width	104			
Central Ligament	107			
Udder depth	108			
Front teat placement	103			
Rear teat placement	104			
Teat length	99			

D: Warrior

S: JX AHLEM JUMBO MATE (5) ET
D: ZAAIBERG RUFUS WANDA

PGS: DENKEL ROWLEYS V JUMBO 2114 ET
PGD: AHLEM TOPEKA MAGGEE 41794 ET
MGS: AHLEM TOPEKA RUFUS ET
MGD: ZAAIBERG HEADLINE WANDA

A2A2

INSIRE

ZAAIBERG CAJUN **BERNARD**

BORN: 02-05-2022 | KAPPA/BETA CASEIN: | SA ID: 93735272

Production Traits

DGHTRS • HRDS • **82**% REL

Milk Kg	Fat Kg	Fat%	Protein Kg	Protein %
383	27.3	0.11	22.3	0.12

Indexes

SAINET	FMI	CYI	FUI
107	108	110	103

Health Traits

Inbreeding %	Somatic	Herd Life
8.92	-5.50	110

BERNARD

Conformation (SA Base)

DGHTRS • HRDS • **80**% REL

Trait	BV	96	100	108
Frame	110			
Udder	104			
Feet and legs	107			
Wither Height	110			
Chest width	98			
Body depth	105			
Dairy strength	106			
Rump angle	112			
Rump width	103			
Rear legs side	108			
Foot angle	103			
Rear legs rear	104			
Fore udder att.	102			
Rear udder height	109			
Rear udder width	108			
Central Ligament	101			
Udder depth	99			
Front teat placement	100			
Rear teat placement	101			
Teat length	93			

Dam: Zaaiberg Rufus Berta

S: AHLEM ALTACAJUN ET
D: ZAAIBERG RUFUS BERTA

PGS: TJF VISIONARY REGENCY ET
PGD: AHLEM MANTRA CAYMAN 42268 ET
MGS: AHLEM TOPEKA RUFUS ET
MGD: ZAAIBERG PAUL BERTA

A2A2

INSIRE

RUBICON KNIGHT **WINTERFELL**

CRV SA

BORN: 29-04-2017	KAPPA/BETA CASEIN: A1A1	SA ID: 85644136

Production Traits

306 DGHTRS • **227** HRDS • **99**% REL

Milk Kg	Fat Kg	Fat%	Protein Kg	Protein %
67	22.4	0.31	0.1	-0.04

Indexes

SAINET	FMI	CYI	FUI
106	105	107	105

Health Traits

Inbreeding %	Somatic	Herd Life
5.63	-8.07	107

Winterfell

Conformation (SA Base)

DGHTRS • HRDS • **97**% REL

Trait	BV	96	100	108
Frame	113			
Udder	105			
Feet and legs	99			
Wither Height	109			
Chest width	106			
Body depth	108			
Dairy strength	107			
Rump angle	100			
Rump width	106			
Rear legs side	104			
Foot angle	95			
Rear legs rear	100			
Fore udder att.	103			
Rear udder height	105			
Rear udder width	104			
Central Ligament	105			
Udder depth	98			
Front teat placement	103			
Rear teat placement	104			
Teat length	105			

Daughters of Winterfell

S: AHLEM JUMBO KNIGHT
D: RUBICON JEVON`S ELVIRA 1

PGS: DENKEL ROWLEYS V JUMBO 2114 ET
PGD: DEERVIEW BALLARD COED ET DORSEY
MGS: FOREST GLEN MECCAS JEVON-ET
MGD: RUBICON ZIK`S ELVIRA 3RD

PROGENY PROVEN

PUTTERGILL **SUNNYBOY** 22015

CRV SA

BORN: 22-01-2022	KAPPA/BETA CASEIN: A2A2	SA ID: 93366565

Production Traits

DGHTRS • HRDS • **79**% REL

Milk Kg	Fat Kg	Fat%	Protein Kg	Protein %
318	6.6	-0.17	8.3	-0.07

Indexes

SAINET	FMI	CYI	FUI
106	105	103	110

Health Traits

Inbreeding %	Somatic	Herd Life
7.05	4.90	106

Sunnyboy

Conformation (SA Base)

DGHTRS • HRDS • **80**% REL

Trait	BV	96	100	108
Frame	104			
Udder	114			
Feet and legs	103			
Wither Height	103			
Chest width	101			
Body depth	101			
Dairy strength	102			
Rump angle	101			
Rump width	104			
Rear legs side	97			
Foot angle	104			
Rear legs rear	101			
Fore udder att.	113			
Rear udder height	107			
Rear udder width	106			
Central Ligament	101			
Udder depth	106			
Front teat placement	103			
Rear teat placement	102			
Teat length	94			

DAM OF SUNNYBOY

S: AHLEM ALTACAJUN ET
D: TIERWIL CELEBRITY IVY

PGS: TJF VISIONARY REGENCY ET
PGD: AHLEM MANTRA CAYMAN 42268 ET
MGS: GALAXIES CELEBRITY - ET
MGD: TIERWIL EXCITATION`S LEGED

A2A2

INSIRE

Beef Breeds

Icons Explanations

Look for these icons on the bull pages

MF
Myostatin Free

P
Heterozugous polled

PP
Homozygous polled

P
Polled but not tested

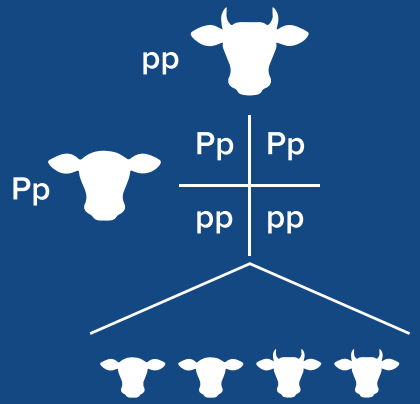
Semen Fertility

Calving Ease

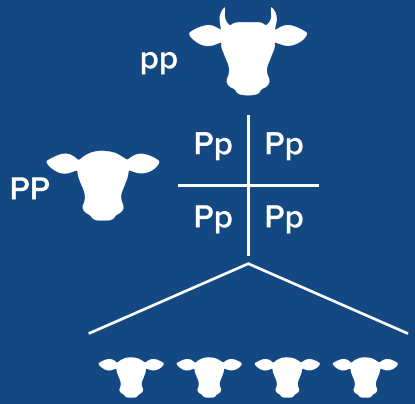
PROGENY PROVEN
Semen sourced from domestically proven sires

BEEF ON DAIRY
These bulls exhibit excellent calving ease and are therefore suitable for use on dairy cows.

HOW POLLED GENES ARE INHERITED:



A heterozugous polled sire mated to a horned dam results in a 50% chance of polled offspring and a 50% chance horned offspring.



A homozygous polled sire mated to a horned dam results in a 100% chance of polled offspring.

TESTING ANIMALS FOR MYOSTATIN DOUBLE MUSCLING

Double muscling (DM) has been reported in South African beef breeds for some time. Double-muscled animals have excessive musculature, especially in the hindquarters, and have a sloped rump with a high-set tail. The animals often have a fine, thin bone structure and upright heels, which makes movement difficult. Animals with severe double muscling have impaired function in extreme conditions. They have several health fertility and calving problems that require specialised care, and survival is often very difficult. These animals also require specific growth rations and the meat should be specially treated.

HEREDITY OF DOUBLE MUSCLING

Myostatin is the protein that stops muscle growth in young animals at the right age. The characteristic features that hallmark the double-muscled syndrome are caused when myostatin is partially or completely inactive, and the animal's muscles continue to grow. It is a gene commonly found in cattle and other animals, and there are several forms (mutations) of the same gene. It also appears that the effect of the same mutation may vary in different breeds.

Myostatin mutations are recessive which means the animal must inherit the mutation from both parents to display the syndrome. The recessive nature of the myostatin mutation also means that the carrier animal (receiving the mutation from one parent only) appears normal although there are some mutations considered to be partially recessive, which can cause signs of double muscling in the carrier.

SA Stud Book's genomic services offer routine tests that currently include nine mutations, three of which are especially common. Harmful mutations, known as nt821 and Q204X cause severe symptoms of double muscling.

However, the F94L mutation is not as severe or harmful and is known as the 'profit gene' Animals carrying this mutation have higher quality meat and do not show any negative effects such as calving problems, lowered fertility or diminished longevity. The F94L mutation is common in the Limousin breed and double muscling occurs in most of these animals.

Although the harmful double muscling mutations do occur in South Africa, the possible effect of carrier animals on breeds has not been determined. Breeders should be cautious about identifying all well-muscled animals as double-muscled; animals must be tested to determine their DM status. DNA testing is the only way to determine an animal's DM status and the mutation involved.

IMPLICATIONS FOR THE HERD

The birth of a double-muscled calf means that animal is essentially lost to the production system, because it is highly maladapted. Visual identification of carriers is not easy, which means that carriers are unknowingly used as breeding animals. The gene may be hidden in a herd in which only carriers are present.

If a breeder uses a bull, unaware that it is a carrier, half of the bull's calves will be carriers; therefore, half of the bul's daughters kept as replacement heifers will be carriers. A carrier bull used on a carrier cow has a 25% chance of conceiving a DM calf, and a 50% chance of breeding more carriers. There is also a 25% chance of breeding DM-free progeny. Carriers sold to other stud herds will transfer the DM gene to those herds.

TESTING THE HERD FOR DM

To prevent the birth of double-muscled calves, only DM-free bulls should be used. There will be no DM calves from breeding a 'clean' bull with carrier cows. However, the chances of producing a carrier calf from breeding a clean bull with a carrier cow are 50%. All bulls used should therefore be tested.

There are two options for the rest of the herd:

- Test calves sold as breeding animals to ensure they are not carriers. The mutation will not be transferred to other breeders if this is done.
- Test all the cows, or at the very least test the daughters of known carriers. Once the status of the carrier cows has been established, only their calves need to be tested when sold as breeding animals.

The myostatin test can be performed in combination with the Logix genomic test on hair samples.

Contact Elsa van den Berg from SA Stud Book at elsa@studbookco.za in this regard.

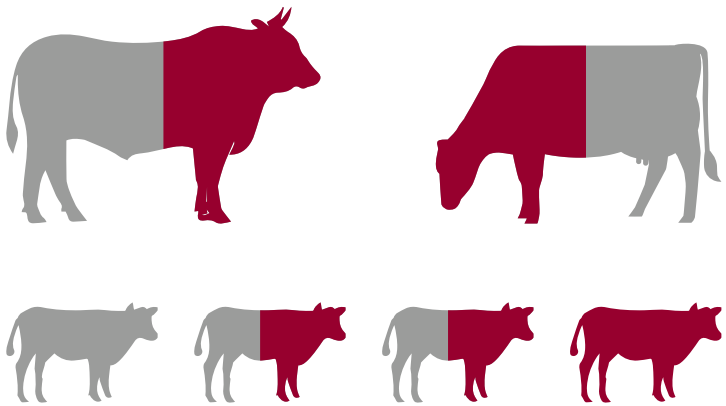
CARRIER BULL ON CARRIER COW

1. DETRIMENTAL: NT821

Causes severe double muscling and calving difficulty. It is the gene found in the Belgian Blue and is also the most common mutation among the Stud Book breeds tested so far. Carrier bulls should preferably not be used.

2. DETRIMENTAL: Q204X

Causes severe double muscling, calving difficulty and possibly less milk. Also common in some breeds. Carrier bulls should preferably not be used.



3. LESS DETRIMENTAL, POSSIBLY ADVANTAGEOUS: F94L

It is the gene commonly found in the Limousin breed. Animals have less severe double muscling and no calving difficulty as well as good quality meat. However, there may be a detrimental effect on fertility and longevity. F94L has also been found in the Stud Book breeds, but is relatively rare.

4. LESS DETRIMENTAL: S105C & D182N

Very rare, not found here yet.

EFFECT ON HERD:

- Calf ratio: 25% Clean: 50% Carrier: 25% DM
- DM calves increase difficult calving
- DM calves can't be retained in the herd - DM cows can't calve normally; DM bulls have to be slaughtered.
- Ratio of carrier: clean is 2:1 in remaining calves.
- The use of carrier bulls will cause the DM gene frequency to increase in the herd and breed

BRANGUS

ROCKY

PROGENY PROVEN

P MF

Number of Herds: 30, Progeny Analysed: 503

ID	REG	BREEDER	OWNER
BVN11112	4061712972	BENNIE VAN NIEKERK BDY TRUST	PRENTICE EC

	Gestation Length	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	-4.7	+0.8	+12	+24	+32	+42	+3	+1.8	-6.4	+11	-1.5	+0.5	+0.5	-0.7	-0.1
Accuracy	91%	99%	97%	96%	96%	93%	87%	90%	69%	86%	59%	76%	76%	65%	67%
Breed Avg.	+0.1	+1.3	+13	+18	+24	+26	+3	+0.2	-4.1	+15	-0.1	-0.2	-0.2	+0.5	+0.0

BRANGUS

PABLO

PROGENY PROVEN

P MF

Number of Herds: 6, Progeny Analysed: 86

ID	REG	BREEDER	OWNER
DD16146	4062350121	SPARKS CDH	SHARP MOVE TRADING 95 PTY LTD

	Gestation Length	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	-0.7	+0.2	+14	+21	+27	+16	+3	+0.8	-4.9	+19	+1.2	+0.6	+0.7	+0.5	+0.1
Accuracy	70%	94%	90%	90%	90%	86%	71%	86%	42%	80%	66%	79%	79%	70%	71%
Breed Avg.	+0.1	+1.3	+13	+18	+24	+26	+3	+0.2	-4.1	+15	-0.1	-0.2	-0.2	+0.5	+0.0

BRANGUS

TARZAN

PROGENY PROVEN

P MF

Number of Herds: 10, Progeny Analysed: 186

ID	REG	BREEDER	OWNER
NVW12303	4061783486	VAN WYK N	CRV SA

	Gestation Length	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	-0.6	+0.3	+20	+20	+28	+35	+1	+0.6	-	+18	-1.1	-0.9	-1.1	+0.6	-0.3
Accuracy	81%	97%	94%	93%	93%	90%	90%	59%	-	83%	42%	50%	49%	42%	36%
Breed Avg.	+0.1	+1.3	+13	+18	+24	+26	+3	+0.2	-4.1	+15	-0.1	-0.2	-0.2	+0.5	+0.0

BEEF ON DAIRY

ANGUS

IMAX

PP

ID	REG	BREEDER	OWNER
PN 220002	93332484	C.S. PUTTERGILL	C.S. PUTTERGILL

	CALVING EASE ★★★★		MILK ★★★★	CALF GRWTH ★★★	MAINTENANCE ★★★		GROWTH TEST					FERTILITY ★★★			COW VALUE	GROWTH VALUE	PROD. VALUE
	111		110	97	92							95					
	Birth wght	Birth Mat.	Milk	Wean wght	Post Wean	Mature wght	ADG	Kleiber	FCR	Length	Height	SC	AFC	ICP	★★★★☆	★★★	-
Index	102	115	110	97	104	107	100	102	98	95	88	102	106	92	101	96	99
EBV	1.4	-.26	9.8	31.6	74.1	73.3	214.2	88.3	-95.5	44.6	-.9	21.1	-6.7	-1.1			
Measure	32			254	-	567	-	-	-								

BEEF ON DAIRY

ANGUS

RAINFALL

PP

ID	REG	BREEDER	OWNER
SCJ 230031	95517306	JOYCES DAIRY FARM PTY LTD	CRV SA

	CALVING EASE ★★★		MILK ★★★★	CALF GRWTH ★★★★	MAINTENANCE ★☆		GROWTH TEST					FERTILITY ★★★☆			COW VALUE	GROWTH VALUE	PROD. VALUE
	97		111	116	68							104					
	Birth wght	Birth Mat.	Milk	Wean wght	Post Wean	Mature wght	ADG	Kleiber	FCR	Length	Height	SC	AFC	ICP	★★★★	★★★★★	-
Index	109	84	111	116	126	134	142	148	118	96	59	109	91	104	114	132	118
EBV	0.74	0.92	10.1	41.3	95.7	108.1	377.3	184.8	-130.6	45.6	-3.2	24.5	0.1	-2.7			
Measure	32(4.3%)			341	-	-	118	20.51	5.26	1565		395					

BEEF ON DAIRY

ANGUS

JOYCES OX NCHE

PP

ID	REG	BREEDER	OWNER
SCJ 220145	94746898	JOYCES DAIRY FARM PTY LTD	JOYCES DAIRY FARM PTY LTD

	CALVING EASE ★★★		MILK ★★★	CALF GRWTH ★★★★☆	MAINTENANCE ★★★☆		GROWTH TEST					FERTILITY ★★★★☆			COW VALUE	GROWTH VALUE	PROD. VALUE
	92		98	126	107							125					
	Birth wght	Birth Mat.	Milk	Wean wght	Post Wean	Mature wght	ADG	Kleiber	FCR	Length	Height	SC	AFC	ICP	★★★★★	★★☆	-
Index	83	109	98	126	120	93	85	78	80	94	84	89	121	105	134	83	125
EBV	3.24	-.03	6.2	46.4	89.5	55.9	156.2	39.7	-64.7	43.7	-1.2	15.5	-13.6	-2.9			
Measure	32(5%)			280	-	-	85	15.57	-	1525		342					

BONSMARA

P MF

RAMPS

WATERPASLAAGTE WAT110153 x WATERPASLAAGTE WAT 00200

ID	REG	BREEDER	OWNER
WAT 160075	83809855	FRIKKIE KRUGER WAT	CRV SA

	CALVING EASE ★★★		MILK ★★★★	CALF GRWTH ★★★☆	MAINTENANCE ★★★★		GROWTH TEST					FERTILITY ★★☆			COW VALUE	GROWTH VALUE	PROD. VALUE
	90		111	108	110							83					
	Birth wght	Birth Mat.	Milk	Wean wght	Post Wean	Mature wght	ADG	Kleiber	FCR	Length	Height	SC	AFC	ICP	★★★☆	★★★☆	-
Index	99	68	111	108	104	89	105	104	91	102	101	91	97	84	103	103	102
EBV	1.05	1.2	6.9	19.4	28.1	5.2	98.3	51.2	-21.7	15.6	-2.1	7.3	-6.7	2.5			
Measure	36			256	-	-	104	21.3	-	1438	1196	326					

BONSMARA

MF

TOR

TEMPEVALE TOR190082 x TEMPEVALE TOR080244

ID	REG	BREEDER	OWNER
TOR 220059	94134566	TEMPEVALE BONSMARAS	CRV SA

	CALVING EASE ★★★★★		MILK ★★☆	CALF GRWTH ★★★	MAINTENANCE ★★★☆		GROWTH TEST					FERTILITY ★★★★			COW VALUE	GROWTH VALUE	PROD. VALUE
	135		87	94	102							119					
	Birth wght	Birth Mat.	Milk	Wean wght	Post Wean	Mature wght	ADG	Kleiber	FCR	Length	Height	SC	AFC	ICP	★★★★	★★★	-
Index	131	120	87	94	96	97	98	101	96	86	83	126	117	109	115	98	112
EBV	-2.24	-1.2	-.3	11.5	20.8	16.9	69.7	43.7	-30	1.4	-16.1	28	-18	-1.9			
Measure	27(5.3%)			234	-	-	106	8.62	-	1435	1166	404					

BONSMARA

P MF

GENEPOEL

WATERPASLAAGTE WAT 05 342 X GENEPOEL BG 98010

ID	REG	BREEDER	OWNER
GENEPOEL BG080102	67718106	GENEPOEL	CRV SA

	CALVING EASE ★★☆		MILK ★★☆	CALF GRWTH ★★★★★	MAINTENANCE ★★		GROWTH TEST					FERTILITY ★☆			COW VALUE	GROWTH VALUE	PROD. VALUE
	89		80	140	73							67					
	Birth wght	Birth Mat.	Milk	Wean wght	Post Wean	Mature wght	ADG	Kleiber	FCR	Length	Height	SC	AFC	ICP	★★★☆	★★★★★	-
Index	84	121	80	140	139	135	149	141	131	137	126	110	78	68	100	149	111
EBV	2.6	-1.28	-2.5	36.5	60.9	72.7	262.9	136.6	-86.2	45.7	17.6	18.7	3.5	5.1			
Measure	42			354	-	-	117	17.9	-	1530	1190	376					

BONSMARA

P MF

OSMOND

GELIBAR EHE 160017 x GENEPOEL BG 130170

ID	REG	BREEDER	OWNER
EHE200120	90526310	DAAN VILJOEN	CRV SA

	CALVING EASE ★★★★★		MILK ★★★☆	CALF GRWTH ★★	MAINTENANCE ★★★★☆		GROWTH TEST					FERTILITY ★★★			COW VALUE	GROWTH VALUE	PROD. VALUE
	132		109	78	122							92					
	Birth wght	Birth Mat.	Milk	Wean wght	Post Wean	Mature wght	ADG	Kleiber	FCR	Length	Height	SC	AFC	ICP	★★★	★★★	-
Index	139	104	109	78	77	82	105	122	128	93	95	97	77	103	99	99	98
EBV	-3.07	-.49	6.5	2.8	3.2	-4.5	98.5	93.6	-81	7.7	-6.7	10.8	4.5	-1			
Measure	30(4.9%)			241	-	-	109	21.11	5.13	1391	1147	358					

SIMMENTALER

DE VIL CLAAS

PROGENY PROVEN

Number of Herds: 11, Progeny Analysed: 222

ID	REG	BREEDER	OWNER
JPD1065	102232384	JP DE VILLIERS	DJ ERASMUS

Market Target	Index Value	Breed Average
Simmentaler Breeders Index (R)	+R 458	+R 494
Simmentaler Profit Index (R)	+R 482	+R 480

	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 (%)	NFI-P
EBV	+9.3	+0.1	-0.8	-1.0	+11	+18	+17	+7	+3	-0.1	+2.0	+14	+1.2	+0.2	+0.2	+0.2	-0.2	-0.20
Accuracy	77%	69%	77%	96%	93%	92%	89%	88%	82%	77%	67%	76%	53%	60%	60%	58%	51%	38%
Breed Avg.	+0.6	+0.7	-0.9	+1.6	+17	+27	+34	+36	+5	+0.4	-1.0	+19	+0.3	+0.0	+0.1	+0.2	+0.1	-0.03

BRAHMAN

HAWTHORN MR SLOAN

PROGENY PROVEN

Number of Herds: 1, Progeny Analysed: 5

ID	REG	BREEDER	OWNER
HAW194	591211040	HAWTHORN BRAHMANE	HAWTHORN BRAHMANE

Market Target	Index Value	Breed Average
Rangeland Grazing	+R 62	+R 90
Wean Index	+R 178	+R 137
Feedlot Index	+R 95	+R 86

	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)
EBV	-1.0	+1.8	+21	+31	+39	+36	+5	+0.7	-	+21
Accuracy	53%	68%	63%	60%	59%	51%	47%	43%	-	47%
Breed Avg.	-0.8	+1.8	+17	+27	+33	+35	+3	+0.8	-0.7	+18

BRAFORD

LEEUWFONTEIN SP14012

P

ID	REG	BREEDER	OWNER
SP1412	4060331461	PJ SCHULENBURG	PJ SCHULENBURG

	Gestation Length	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	+0.3	+1.1	+5	+8	+14	+13	-6	-	+7
Accuracy	38%	74%	57%	48%	51%	39%	31%	-	33%
Breed Avg.	-0.2	+0.8	+8	+12	+18	+22	-2	+0.3	+9

SANTA GERTRUDIS

HARRIS

ID	REG	BREEDER	OWNER
SS 210095	0291347409	SANTARIFIC SANTA STOET	EDE FARMING

	CALVING EASE ★★★★☆		MILK ★★★★	CALF GRWTH ★★★★	MAINTENANCE ★★☆		GROWTH TEST					FERTILITY ★★★★☆			COW VALUE	GROWTH VALUE	PROD. VALUE
	127		112	116	87							120					
	Birth wght	Birth Mat.	Milk	Wean wght	Post Wean	Mature wght	ADG	Kleiber	FCR	Length	Height	SC	AFC	ICP	★★★★★	★★★★	-
Index	122	126	112	116	116	113	110	104	104	115	104	134	124	101	140	111	135
EBV	-.7	-1.07	3.9	23.4	35.2	31.4	135.4	63	-24.1	40.7	14.3	28.2	-22.3	-5.9			
Measure	35			256	-	-	102	17.81	-			365					

BEEFMASTER

COLUMBUS

P

ID	REG	BREEDER	OWNER
WO 190929	0089521496	MNR. W.C. ODENDAAL	MNR. W.C. ODENDAAL

	CALVING EASE ★★★		MILK ★★★☆	CALF GRWTH ★★★☆	MAINTENANCE ★★★☆		GROWTH TEST					FERTILITY ★★★☆			COW VALUE	GROWTH VALUE	PROD. VALUE
	99		109	103	104							107					
	Birth wght	Birth Mat.	Milk	Wean wght	Post Wean	Mature wght	ADG	Kleiber	FCR	Length	Height	SC	AFC	ICP	★★★★	-	-
Index	100	97	109	103	102	95	104	106	103	100	98	108	108	96	113	-	-
EBV	0.32	0.07	0.9	13.8	20.1	1.3	84.4	65.9	-41.7	12.7	0	15.3	-13.5	-3.4			
Measure	37			278	324	-	-	-	-								

HEREFORD

BEEF ON DAIRY

COOL CAT

ID	REG	BREEDER	OWNER
PNP 180069	88145214	C.S. PUTTERGILL	C.S. PUTTERGILL

	CALVING EASE ★★★★☆		MILK ★★★★	CALF GRWTH ★★★	MAINTENANCE ★★★		GROWTH TEST					FERTILITY ★★★★☆			COW VALUE	GROWTH VALUE	PROD. VALUE
	107		115	90	95							108					
	Birth wght	Birth Mat.	Milk	Wean wght	Post Wean	Mature wght	ADG	Kleiber	FCR	Length	Height	SC	AFC	ICP	★★★★		
Index	109	98	115	90	85	103	98	98	97	100	102	105	118	98	112	-	-
EBV	0.14	0.59	15.1	13.2	22.3	40.4	136.8	98.7	-72.1	34.9	26.9	19.5	-20.8	-2.1			
Measure	35			264	399	652	-	-	-								

BRAUNVIEH

TURBO

ID	REG	BREEDER	OWNER
N 170034	0085999365	EDUAN BOERDERY	EDUAN BOERDERY

	CALVING EASE ★★		MILK ★★☆	CALF GRWTH ★★★	MAINTENANCE ★★☆		GROWTH TEST					FERTILITY ★★★			COW VALUE	GROWTH VALUE	PROD. VALUE
	87		92	103	96							109					
	Birth wght	Birth Mat.	Milk	Wean wght	Post Wean	Mature wght	ADG	Kleiber	FCR	Length	Height	SC	AFC	ICP	★★	★★★	-
Index	88	94	92	103	106	85	114	118	122	100	93	67	133	100	82	104	83
EBV	1.61	0.04	-1.2	6.5	13.3	8.9	91.6	68.8	-88.4	12.3	3.1	-15.6	-27.6	-2			
Measure	47(9.2%)			360	-	-	131	15.04	-	1501	1245	346					

NGUNI

BEEF ON DAIRY

APACHE GELYKFONTEIN SW210083

ID	REG	BREEDER	OWNER
NGIMSW 210083	92732411	MNR. S.W. VAN DER WALT	MNR. S.W. VAN DER WALT

	CALVING EASE ★★★☆		MILK ★★★	CALF GRWTH ★★	MAINTENANCE ★★★☆		GROWTH TEST					FERTILITY ★★★★			COW VALUE	GROWTH VALUE	PROD. VALUE
	111		107	81	114							121					
	Birth wght	Birth Mat.	Milk	Wean wght	Post Wean	Mature wght	ADG	Kleiber	FCR	Length	Height	SC	AFC	ICP	★★★☆	★★★	-
Index	108	110	107	81	79	88	90	93	-	85	90	95	109	103	119	102	110
EBV	-.28	-.24	2.6	-3.9	-6.8	-6.4	-12	12.5	-	-7	-3.6	1.7	-13	-3.7			
Measure				-	-	-	-	-	-								

SENEPOL

MASTER JACK

P

ID	REG	BREEDER	OWNER
GN 160393	8388099	A.N.L BOERDERY	MNR. J.H. HATTINGH

	CALVING EASE ★★★☆		MILK ★★★☆	CALF GRWTH ★★★	MAINTENANCE ★★★☆		GROWTH TEST					FERTILITY ★★★☆			COW VALUE	GROWTH VALUE	PROD. VALUE
	115		113	107	111							118					
	Birth wght	Birth Mat.	Milk	Wean wght	Post Wean	Mature wght	ADG	Kleiber	FCR	Length	Height	SC	AFC	ICP	★★★★☆	★★★☆	
Index	118	101	113	107	101	89	121	-	-	115	116	117	131	104	133	116	133
EBV	-1.2	-.1	3.3	8.5	8.1	-10	99.2	-	-	17.6	11.9	8.7	-26.1	-1			
Measure	38(6.4%)			255	340	513	-	-	-								

SUSSEX

SPEEDY 2nd

ID	REG	BREEDER	OWNER
JRE 100045	71203434	RHYS EVANS GROUP	RHYS EVANS GROUP

	CALVING EASE ★★★☆		MILK ★★★★	CALF GRWTH ★☆	MAINTENANCE ★★★★		GROWTH TEST					FERTILITY ★★★			COW VALUE	GROWTH VALUE	PROD. VALUE
	113		124	78	120							103					
	Birth wght	Birth Mat.	Milk	Wean wght	Post Wean	Mature wght	ADG	Kleiber	FCR	Length	Height	SC	AFC	ICP	★★★	★★☆	-
Index	143	82	124	78	92	80	104	108	-	98	94	113	89	107	107	99	104
EBV	2.75	1.18	13.8	5	23.4	5.3	132.2	110.5	-	28.8	14	19.8	8.3	-7.3			
Measure	34(6.7%)			259	-	605	-	-	-								

TULI

OTIS

P

ID	REG	BREEDER	OWNER
HBH 140060	80248461	NARINA ESTATE	NARINA ESTATE

	CALVING EASE ★★		MILK ★★★★★	CALF GRWTH ★★★★☆	MAINTENANCE ★☆		GROWTH TEST					FERTILITY ★★★☆			COW VALUE	GROWTH VALUE	PROD. VALUE
	77		141	123	65							106					
	Birth wght	Birth Mat.	Milk	Wean wght	Post Wean	Mature wght	ADG	Kleiber	FCR	Length	Height	SC	AFC	ICP	★★★★☆	★★★★★	-
Index	77	94	141	123	133	142	139	117	143	139	127	129	95	109	127	130	130
EBV	2.92	0.23	13.4	16.4	28.2	62.8	163.6	13.6	-52.3	48	29.2	25.8	-2.5	-4.2			
Measure	39(11.3%)			265	-	-	114	13.63	-	1410	1210	325					

CHAROLAIS

BEEF ON DAIRY

LOUWCOE CHESLEY

MF

ID	REG	BREEDER	OWNER
CB 200045	90132861	LOUWCOE CHAROLAIS	KAREN TRUST

	CALVING EASE ★★★★		MILK ★★☆	CALF GRWTH ★★☆	MAINTENANCE ★★★☆		GROWTH TEST					FERTILITY ★★★☆			COW VALUE	GROWTH VALUE	PROD. VALUE
	124		92	91	115							116					
	Birth wght	Birth Mat.	Milk	Wean wght	Post Wean	Mature wght	ADG	Kleiber	FCR	Length	Height	SC	AFC	ICP	★★★☆	★★★★☆	-
Index	127	105	92	91	91	85	123	128	127	115	115	121	110	116	11	117	111
EBV	-2.49	-.43	-1.7	6.4	6.4	-1.9	123.1	79	-42	24.5	13.3	16.5	-5.2	-5.1			
Measure	36			203	-	-	109	94.6	4.64	1397		321					

BORAN

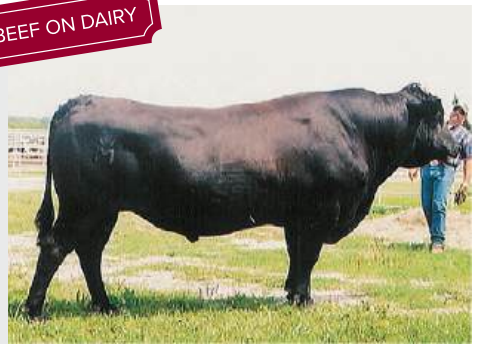
YATTA MONSTER

ID	REG	BREEDER	OWNER
BORMABW 200084	91115311	MNR. W.A. BREDELL	AAC RANCH PTY LTD

	CALVING EASE ★★★★		MILK ★★★	CALF GRWTH ★★★	MAINTENANCE ★★★		GROWTH TEST					FERTILITY ★★☆			COW VALUE	GROWTH VALUE	PROD. VALUE
	120		106	102	107							98					
	Birth wght	Birth Mat.	Milk	Wean wght	Post Wean	Mature wght	ADG	Kleiber	FCR	Length	Height	SC	AFC	ICP	★★★☆	★★★☆	-
Index	117	127	106	102	94	94	101	95	97	107	93	120	105	87	117	111	117
EBV	-.79	-.95	2.1	2.9	1.5	-1.3	-1.1	-14.2	11.7	6.2	-1.9	13.6	-6.2	2.3			
Measure	26			240	-	-	105	7.1	-	1256	1135	358					

WAGYU

BEEF ON DAIRY



AL 5 ITOSHIGENAMI P12

PEDIGREE: ITOSHIGENAMI TF148 X WORLD K'S SHIGESHIGETANI X ITOZURUDOI TF151

ID	REG	BREEDER	OWNER
AL182012	5000217967	AL 5 WAGYU	AL 5 WAGYU

PROGENY PROVEN Number of Herds: 11, Progeny Analysed: 222

	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	+1.6	+1.0	+2	+9	+3	-2	-5	+0.1	+4	+5.7	-0.1	-0.4	+1.7	+1.9
Accuracy	61%	90%	73%	70%	69%	64%	54%	43%	61%	57%	56%	55%	53%	57%
Breed Avg.	-1.8	+1.6	+11	+18	+30	+35	+5	+0.7	+18	+0.6	+0.1	+0.4	+0.2	+0.2

This exceptional breeding by the world's leading foundation sire for Marbling, Itoshigenami TF148, on a cow that was sired by the top maternal sire, Shigeshigetani. The list of top foundation sires continues, TF151, the legendary Itozuru Doi, then Sanjirou, the most influential sire in Wagyu outside Japan, Kitaguni Jr, Kikuyasu 400 on top of Yuriko mitochondrial genetics. This bull would be ideally suited for F1 breeding, as well as on large frame fullblood cows.

NITROGEN FLASKS

Available at CRV

Contact your local representative or our office for more information and quotes.

MVE ET SERIES MODEL	ET-3	ET-7	ET-20	ET-35
NO. OF CANISTERS	6	6	6	6
NO. OF 1/2CC STRAWS (1 LEVEL BULK)	-	1,866	1,866	1,866
LIQUID CAPACITY W/O INVENTORY (LITERS)	3.6	8.4	20.5	36.0
STATIC EVAPORATION RATE (LITERS PER DAY)	0.15	0.171	0.115	0.123
STATIC HOLDING TIME (DAYS)	24	49	178	292
WORKING DURATION (FULL DAYS)	14	30	107	175

Gestation Table

Figure below indicates date due to calve

BASED ON 279 DAYS

Final date of Service in Upper Line
Figure below indicates Date Due to Calve

JANUARY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
OCTOBER	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6
FEBRUARY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28			
NOVEMBER	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	1	2	3	4			
MARCH	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
DECEMBER	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4
APRIL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
JANUARY	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	
MAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
FEBRUARY	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	1	2	3	4	5	6
JUNE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
MARCH	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	
JULY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
APRIL	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	1	2	3	4	5	6
AUGUST	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
MAY	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6
SEPTEMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
JUNE	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	1	2	3	4	5	6	
OCTOBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
JULY	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6
NOVEMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
AUGUST	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	
DECEMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
SEPTEMBER	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	1	2	3	4	5	6

CELEBRATING

20 YEARS

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