Genetics Catalogue

2023 Dairy

There's always room for improvement

LIC®

GENETICS TEAM (L-R): Paul Charteris, Taylor Connell, Corey Berger, Emma Gardiner, Nicola Hemming, April Barnett, James Mills and Jen Campbell

Hi, I'm Jen! Welcome to your 2023 Genetics Catalogue from LIC.

I've recently taken up the role as LIC's Genetics Business Manager, after 14 years with the co-op, and we've also had a number of new faces join the team over the past year, so it is my pleasure to re-introduce the team to you.

I am proud to lead this team of passionate, knowledgeable, and friendly professionals who are focussed on delivering value for farmers. And I'm proud of this catalogue as a labour of love - they have put a lot of work into this for you because we understand how important this information is for you and the importance of choosing the right bulls for your farming business.

We all enjoy spending time out on farm and visiting you where we can, and we work alongside your Agri Manager who also has a wealth of knowledge and tools at their fingertips to assist you in building your herd improvement plan.

Here at LIC, we continue to invest in both dairy and beef genetics to support the future of dairy farming. Our relationships with beef breeders remain strong, and our visions and purpose are aligned. Furthermore, the work we are doing alongside Beef+Lamb New Zealand in the dairy beef progeny test scheme gives our farmers access to high merit bulls that will offer additional revenue streams on farm.

This year we saw a continued uptake of LIC's premium semen offerings (such as Forward Pack) as farmers recognise the value of capturing their replacements from the top-third performers within their herd in the first three weeks of AB. Cow wearables, such as collars and ear tags continue to build momentum to help famers monitor their animal's performance, health, and fertility. We are proud to partner with leading cow wearable technology suppliers to integrate our MINDA® herd management software with their systems, delivering more value to farmers and supporting the connected cow future of the dairy industry. Our beef selection process continues to focus on easy calving, short gestation, and high growth rates.

The quality of bulls in this catalogue is testament to our livestock selection criteria. Our ongoing relationships with New Zealand's top breeders are the core of our success, which, combined with LIC's genomic technology, identifies elite dams and sires to generate high calibre bulls to enter our Sire Proving Scheme. This enables us to continue to offer sires that add value year on year across all major breeds, which are a direct result of your co-op's significant and ongoing investment in genomics. This investment helps fast-track genetic gain by providing access to elite young bulls from a younger age. We have something to suit every farm in here, including variable milking, high-input and polled, to name a few, as well as a strong beef offering with a focus on easy calving, short gestation, and high growth rates.

As genomics is heavily used throughout our breeding programme, we're really pleased to see that our farmers are reaping the rewards from this – both in their herds now with record rates of genetic gain, and a strong pipeline of elite genetics to provide continued growth and support into the future.

Breeding the best cows faster is key to helping farmers solve the challenge of being profitable and sustainable. We're proud to be part of the solution for this, with precision genetics and technology tools to improve your herd and providing sustainable outcomes.

I hope you enjoy reading this catalogue - digging into the data of each of the bulls to build your plan to breed the best cows for your farm. I'm really excited for what these bulls will deliver to your farming business in the coming years, a time when the production efficiency of every cow in our national herd has never been more important.

I look forward to sharing our confirmed Premier Sires teams, featuring our Forward Pack offerings, later this year, and then the highly anticipated addition of our spring bulls into these teams when the superior performance of our latest crop of young bulls (predicted by genomics) is validated by herd testing data.

All the very best for the season ahead.

Contents

Beef Section (reverse

Genomic Holstein-Friesian

Daughter Proven Holstein-Friesian

Economy Holstein-Friesian

How to Read a Dairy Sire Page

Labels

Bulls with standout attributes have these highlighted. The attributes are calculated within breed and based on 17/02/2023 information. It will also show if a bull is currently being marketed as a Premier Sire, and whether it is a Genomic graduate - having been previously marketed as a young bull.

Protein and Milkfat

A gBV of 51 kg indicates that the bull will produce daughters which on average, are genetically superior to the base cow by 25.5 kg per 5t dry matter consumed.

Fertility

A gBV of 3.1% indicates that 1.5% more daughters are expected to calve in the first 42 days of a herds calving period, compared to a bull of 0.

As an industry New Zealand has a tighter calving pattern than dairy industries worldwide. Highly fertile cows have been necessary to achieve this. It is generally accepted that the New Zealand base cow is far more fertile than any other countries base.

Functional Survival

The likely percentage of cows surviving to the next lactation independent of culling for low production or poor fertility (For example a bull with a gBV of 2.4% means, on average, we expect his daughters to have a 1.2% higher probability of surviving to the next lactation than a bull with a gBV of 0).

Shed Temperament

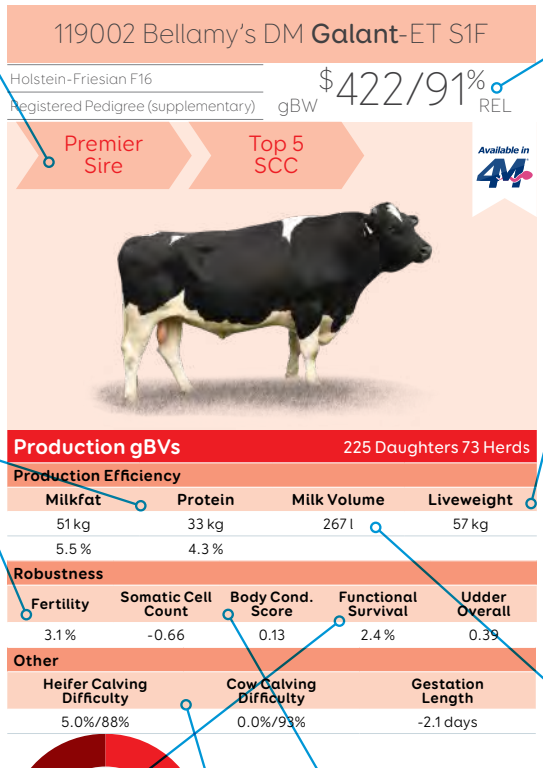
A gBV of 0.00 indicates that the bull will produce daughters which on average, are genetically the same as the base cow. (For example by using a bull with a shed temperament of 0.13 the raw score for his daughters on average is expected to be 6.28 + 0.07 = 6.35 from a linear score of 9).

HoofPrint®

Environmental measure.
More information on pg 121.

Stature

Again as the gBV for a sire is comparing his progeny against the base cow which is across breed. Stature for Jerseys is usually negative and Holsteins are positive.



gBW/Rel

Using this bull at a gBW of $422 indicates that per 5t DM the replacements are expected to generate NZD $211 more net profit than using a sire with a gBW of 0.

The reliability of a sire is a measure of the amount of information behind the bulls gBW. The higher the reliability the less movement expected with his gBW.

Liveweight

A gBV of 57 kg indicates by using this sire over the average cow in New Zealand his daughters are expected to have a mature liveweight 28.5kg heavier than the base cow of 500 kg. Because Breeding Values (gBV) are calculated across breed you would expect a Holstein Friesian to have a much higher (positive) gBV for liveweight and you would expect Jerseys to have a lower (negative) gBV.

Milk

A gBV of 267 litres indicates the bull will produce daughters which on average will produce 133.5 litres more than the base cow per 5t of dry matter fed. Remember the gBV is across breeds so Jersey and Crossbred animals may show a negative gBV.

Donut Graph

This shows the value components in a bulls gBW that is contributed from either Production efficiency or Robustness. In this example the gBW is made up of $333 from Production efficiency and $89 from Robustness for a total of $422 gBW.

Somatic Cell Count

A useful approximation for farmers to note, is that a difference between two sires of 0.5 in breeding value equates to a difference in expected daughter performance of 35,000 bulk milk count. The lower the SCC gBV the better as you want to reduce the bulk milk SCC.

gBW/gBV are calculated by LIC.
More information on page 122

Available in 4M

Bulls with this flag are available in frozen sexed semen (female).

Calving Difficulty

A sires Calving Difficulty gBV compares the percentage of assisted calvings expected when he is mated to yearling heifers and cows, compared to a bull of 0.

Understanding New Zealand Information

Base cow

The New Zealand Breeding Values are compared across breed to a group of animals, commonly known as the base cow. There are 21,585 cows in the base group, made up of all breeds. These cows were born in 2005 and came into milk in 2007. All animals had to be TOP (Traits Other than Production) inspected, weighed and have had four herd tests. The production information was collated over four years and then averaged out.

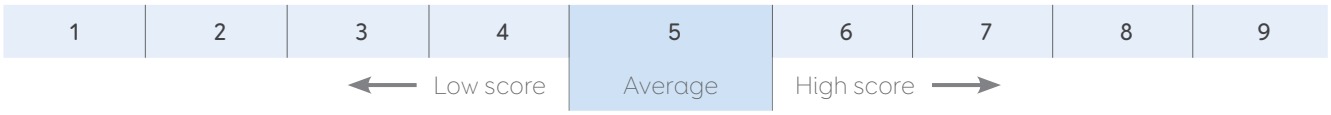
All of the bulls information in this catalogue is expressed relative to the base group, who's production and TOP information has been set to zero.

Assessing the animal

Each trait is scored separately on a scale from 1-9. The traits included in the TOP system are the traits considered most important in dairy cattle and contain 4 farmer scored traits, and 13 conformation traits.

The main advantage of the TOP system is that inspectors describe the animal rather than an imagined ideal animal.

Any additional characteristics of an animal not described by these traits are noted as additional comment codes. (eg: OW- predominantly white).



(see adjacent table)

Data processing

The raw data is then sent through to the New Zealand Animal Evaluation unit where within herd, region and national comparisons are analysed and processed. This information is then fed into the national data base as breeding values for sires.

Production

When calculating the genetic response expected from production breeding values, it is calculated at an expected response when fed 5 tonnes of dry matter. This is because the average New Zealand cow will consume 5 tonnes of dry matter in one lactation when fed on a pasture only diet. If grain or additional supplements are fed on top of the pasture diet you would expect a much higher genetic response.

Volume

Because Breeding Values (gBV) are calculated across breed you would expect a Holstein-Friesian to have a much higher (positive) gBV for milk and you would expect Jerseys to have a lower (negative) gBV.

Base cow production information

Milkfat	Protein	Milk Volume	Liveweight
218 kg/5t DM	174 kg/5t DM	4595 l/5t DM	500 kg

TOPs

The average raw TOP scores of the 2005 base cow are as follows.

Farmer scored management traits			
Sire Proving farmers score two-year-old heifers on the four farmer traits.	Low Score	High Score	Base cow average
Adaptability to milking - describes how soon the heifer settled into the milking routine after calving.	slowly	quickly	6.12
Shed temperament - describes the temperament of the heifer in the farm dairy while being handled and milked.	nervous	placid	6.28
Milking speed - describes the milking speed of the heifer.	slow	fast	6.33
Overall opinion - describes the farmer's overall acceptance of the heifer as a herd member.	undesirable	desirable	6.57
Inspector scored conformation traits			
Stature - describes the height at the shoulders of the heifer in five centimetre bands.	small	tall	5.75
Capacity - describes depth and width of chest and body in relation to the physical size of the heifer.	frail	capacious	6.34
Rump angle - describes the angle of a line between the centre of the hips and the top of the pins.	high pins	sloping	4.79
Rump width - describes the width of pins, hips and thurls relative to the size of the heifer.	narrow	wide	6.17
Legs - describes the straightness or curvature of the back legs while the heifer is walking.	straight	curved	6.18
Udder support - describes the strength of the suspensory ligament, and the udder depth relative to the hocks.	weak	strong	6.02
Front udder - describes the attachment of the front udder to the body wall.	loose	strong	5.70
Rear udder - describes the height and width of the rear udder attachment.	low	high	5.76
Front teat placement - describes the placement of the front teats relative to the centre of the quarters.	wide	close	4.53
Rear teat placement - describes the placement of the rear teats relative to the centre of the quarters.	wide	close	5.84
Teat length - describes the length of the rear teats from the udder to the tip of the teat	short	long	4.10*
Udder overall - assesses the desirability of all traits pertaining to the udder.	undesirable	desirable	5.71
Dairy conformation - assesses the desirability of all traits pertaining to dairy conformation, but excluding udder traits.	undesirable	desirable	6.45

*Teat length was first scored in 2018 so there is no phenotypic average for the Base cow, this average is calculated from raw scores, from daughters of bulls that have a BV of 0

Premier Sires® Pricing

Increase your herd's genetic value with Premier Sires, a cost-effective and convenient way to mate your herd with New Zealand's top bulls.

Premier Sires				
Number of inseminations (LIC Technician) #	Forward Pack (per insemination)	A2A2 team* (per insemination)	Daughter Proven (per insemination)	SGL Dairy® (per insemination)
1-100	$29.35	$29.35	$26.35	$29.35
101-200	$28.85	$28.85	$25.85	$28.85
201-300	$28.35	$28.35	$25.35	$28.35
301-400	$27.75	$27.75	$24.75	$27.75
401-500	$27.15	$27.15	$24.15	$27.15
501-600	$26.55	$26.55	$23.55	$26.55
601-700	$25.95	$25.95	$22.95	$25.95
701-800	$25.35	$25.35	$22.35	$25.35
801-900	$24.75	$24.75	$21.75	$24.75
901-1000	$24.15	$24.15	$21.15	$24.15
1001-1100	$23.55	$23.55	$20.55	$23.55
1101-2000	$22.90	$22.90	$19.90	$22.90
2001-5000	$22.05	$22.05	$19.05	$22.05
5001+	$21.80	$21.80	$18.80	$21.80

The Premier Sires Forward Pack teams are comprised of the best daughter proven and best genomically-selected bulls.

* The Premier Sires A2A2 teams are comprised of genomically-selected bulls only.

The Premier Sires Daughter Proven teams are comprised of the best daughter proven bulls.

Customers are charged per 100 inseminations or part thereof, depending on the number of inseminations to Premier Sires. As described in the tables, as the number of inseminations increase, prices move down the graduated price scale, and each insemination is charged at the appropriate Forward Pack, A2A2, Daughter Proven or SGL Dairy rate.

Example: The 100th and your 101st Forward Pack insemination would be charged at $29.35 and $ 28.85 respectively.

DIY Premier Sires follows the same graduated price scale, less $1.00 per insemination.

All prices exclude GST

Sexed Semen (Liquid) $59.95 plus technician per straw

As sexed semen is processed via a third party, customers will be billed for every straw ordered/delivered.

Alpha® Pack Purchasing

Alpha packs give you the control to choose the bulls best suited to your breeding requirements, while taking advantage of our discounted pack pricing.

Packs must contain equal quantities of each bull and in quantities of 5 straws per bull, minimum order will apply.

Alpha Packs				
Product	Details	Bulls	$/Straw	$/Straw (Inc 10% InvestaMate)
Economy Pack	• Minimum order of 20 straws • Can mix breeds	3+ Bulls	$17.80	$16.02
Classic Pack	• Minimum order of 30 straws • Can mix breeds	5+ Bulls	$24.80	$22.32
		4 Bulls	$27.05	$24.35
		3 Bulls	$29.30	$26.37
Adapta Pack	• Minimum order of 30 straws • Can include Daughter & Genomic bulls • Minimum of 3 Daughter proven bulls • Can mix breeds	6+ Bulls	$28.00	$25.20
Genomic Pack	• Minimum order of 30 straws • Can mix breeds	5+ Bulls	$30.50	$27.45
Ayrshire Pack	• Minimum order of 20 straws	3+ Bulls	$21.40	$19.26
Young Ayrshire Pack	• Minimum order of 20 straws	(No choice)	$6.60	$5.94
		3+ Bulls	$15.20	$13.68
Short Gestation Length	Dairy	(No choice)	$21.35	$19.22
	Hereford or Angus	(No choice)	$14.55	$13.10
Beef Pack	• Range of breeds available - refer to beef section	(No choice)	from $11.85	$10.67
No Choice Packs	• VMSI (page 12) • High Input (page 11) • Polled (page 14) • Minimum order 30 straws	(No choice)	$22.65	$20.39

Volume discounts (1-10%) may apply and will be additional to the InvestaMate discount outlined above (see page 124 for details). Prices exclude insemination costs. All prices exclude GST

Compact Calving + gBW	Gestation Length	gBW	$/Straw	$/Straw (Inc 10% InvestaMate)
KiwiCross®	-8.9 days	$369/95%	$24.75	$22.27
Holstein-Friesian	-8.9 days	$354/95%	$24.75	$22.27

Our Compact Calving pack (frozen only) delivers bulls with shorter gestation and high gBW so that you can keep the offspring as herd replacements if you wish.

Sexed Semen (Frozen)	• Dairy • Female Sorted • Refer to bull pages	Individually	$59.95	N/A

Short Gestation Length (SGL) Dairy

SGL Dairy® semen was an initiative developed by LIC so farmers could benefit by having cows that will calve earlier the following season.

Not only will farmers benefit financially through more days in milk, using SGL Dairy® gives cows a longer period to recover increasing their chances of getting back in calf to AB.

2022 sales activity of SGL Dairy® is expected to generate in excess of $10 million in additional revenue to the New Zealand dairy farmer in the upcoming 2023 season.

It is expected that progeny from SGL Dairy bulls will not be kept as dairy replacements as these bulls have been bred for gestation length only; their index and TOP traits are not part of the selection criteria.

**InvestaMate and volume discounts may apply (see page 124)*

Frozen	- 21 days	$21.35
Fresh (Including technician)		Premier Sires sliding Scale SGL Dairy
Fresh DIY		

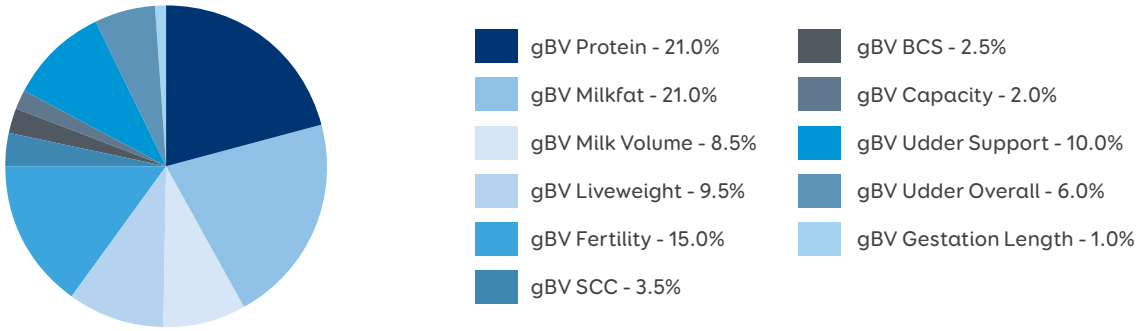
High Input Teams

LIC has updated its High Input Index to include a focus on a range of traits alongside Breeding Worth to identify animals best suited to High Input systems. Those traits include: Capacity, Udder support, Udder overall and Protein.

For 2023 LIC have put together the below no choice packs which are available from $22.65*

What makes up LIC's High Input Index?

The graph shows the weighting of the traits within the High Input Index, in addition to the existing eight traits of gBW.



How do I interpret the High Input Index?

The High Input index allows two animals to be compared based on their suitability to the system. Unlike gBW & PW, it does not represent an economic value of the animal's productive performance or ability to breed profitable replacements.

Holstein-Friesian

Code	Name	gBW/Rel	HI Index	Milkfat	Protein	Volume	Fertility	SCC	O Opinion	Capacity	Udder O	Page
119033	Lightburn **Free Range**-ET	398/87	1468	60	62	1232	-3.3	0.08	0.80	1.33	0.73	56
119034	Tafts RHD **Officer**-ET S2F	354/86	1442	59	62	1564	-1.3	0.50	0.54	0.66	0.99	41
119041	Royson MG **Currency** S3F	341/89	1428	44	62	1670	1.9	-0.07	0.58	0.45	1.07	42
119021	Mah MG **Speilberg**-ET S3F	304/84	1394	49	57	1667	-3.7	-0.14	0.45	0.95	0.87	49
119079	Busy Brook **Dealer**-ET S2F	371/84	1393	53	44	1153	0.3	0.19	0.66	0.32	0.62	55
115107	Lightburn Blade **Gusto**	342/98	1376	44	46	750	-1.5	0.32	0.49	0.87	0.84	53
119077	Busy Brook **Cashpoint** S1F	314/86	1352	45	30	731	-2.5	-0.25	0.05	0.39	1.05	48
	Average	346/98	1408	51	52	1253	-1.4	0.09	0.51	0.71	0.88	

KiwiCross®

Code	Name	gBW/Rel	HI Index	Milkfat	Protein	Volume	Fertility	SCC	O Opinion	Capacity	Udder O	Page
519034	Gordons **Flash-Gordon**	496/88	1461	61	54	1068	-1.9	0.09	0.31	0.32	0.46	98
519020	Paynes **Professor**-ET	383/85	1409	59	55	1418	-0.6	-0.04	0.36	1.01	0.47	101
519082	Heavynly Heights **Joshua**	378/85	1399	43	43	872	0.3	0.20	0.57	0.57	0.94	104
518016	Horizon **Ascott**	364/98	1367	32	26	89	0.1	0.09	0.17	0.48	1.09	109
519012	Kokoamo **K2**	372/85	1363	42	27	159	0.5	0.09	0.64	0.85	0.70	107
515025	Speakes **Slipstream** ET	389/98	1362	40	19	34	4.4	-0.03	0.28	0.54	0.92	105
519001	Greenmile **Tomahawk**	350/86	1345	36	36	685	-0.4	-0.30	0.14	0.09	0.63	106
	Average	390/98	1387	45	37	618	0.3	0.01	0.35	0.55	0.74	

** These bulls are available by breed in No Choice Packs from $20.39**
** If 10% InvestaMate discount applies (see page 124)*

17/02/2023

Variable Milking Selection Index (VMSI)

Variable milking regimes are gaining popularity as an efficient way of managing seasonal conditions and resources with benefits in reduction of farm working expenses and improved animal health. Variable milking regimes covers everything from Once-a-day (OAD) to 16 hours and 10 in 7.

Variable milking regimes may be used exclusively as the overall farming system, or strategically for part of the herd or for shorter periods during the season.

LIC's Variable Milking Selection Index (VMSI) has been developed to help farmers breed animals most suitable to their system.

Our goal is to support variable milking regime farmers in breeding cows that persist throughout the lactation and have longevity in the herd. The index has a strong correlation to Breeding Worth (gBW) but also combines the non-negotiable functional traits required for variable milking.

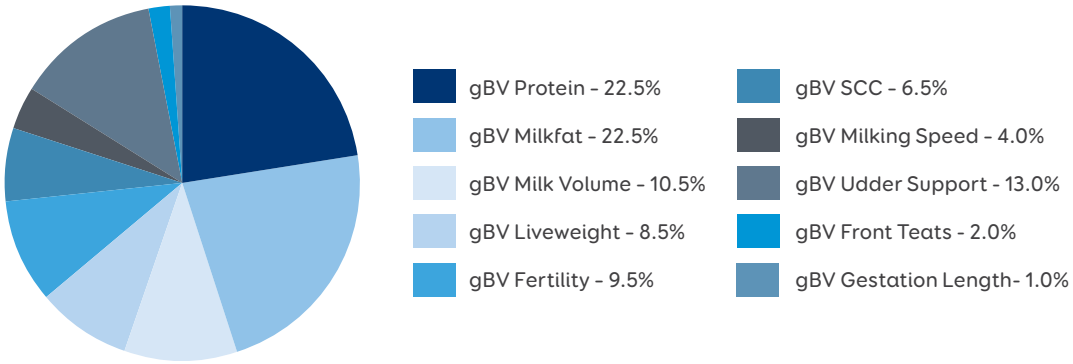
It reflects what farmers have told us is required in a desirable cow and takes into account the following traits:

- Udder support
- Front teat placement
- Milking speed

The index (VMSI) places less emphasis on Functional Survival and Fertility because these factors are less of an issue than in twice-a-day (TAD) herds.

What makes up LIC's VMSI?

The graph shows the weighting of the traits within the VMSI, in addition to the existing eight traits of gBW.



How do I interpret the Variable Milking Selection Index?

The VMSI allows animals to be compared based on their suitability for variable milking regimes. The index increases based on the animal's suitability.

Unlike gBW & PW, the VMSI does not represent an economic value of the animal's productive performance or ability to breed profitable replacements.

VMSI Teams

Holstein-Friesian

Code	Name	gBW/Rel	VMSI	Milkfat	Protein	Volume	Fertility	SCC	O Opinion	Capacity	Udder O	Page
119033	Lightburn **Free Range**-ET	398/87	1444	60	62	1232	-3.3	0.08	0.80	1.33	0.73	56
119041	Royson MG **Currency** S3F	341/89	1391	44	62	1670	1.9	-0.07	0.58	0.45	1.07	42
119014	Buelin BM **Equator** S2F	405/88	1384	65	35	933	1.2	-0.16	0.64	0.34	0.39	45
119049	Wittenham MG **Alpine** S2F	371/91	1344	53	43	822	-3.3	0.29	0.50	0.94	0.46	50
119077	Busy Brook **Cashpoint** S1F	314/86	1344	45	30	731	-2.5	-0.25	0.05	0.39	1.05	48
115107	Lightburn Blade **Gusto**	342/98	1343	44	46	750	-1.5	0.32	0.49	0.87	0.84	53
119092	Jones MG **Rampage** S3F	289/83	1320	46	37	997	-2.9	-0.36	0.57	1.14	0.87	54
	Average	**351/98**	**1367**	**51**	**45**	**1019**	**-1.5**	**-0.02**	**0.52**	**0.78**	**0.77**	

Jersey

Code	Name	gBW/Rel	VMSI	Milkfat	Protein	Volume	Fertility	SCC	Liveweight	Capacity	Udder O	Page
318001	Okura Pepper **Lucca**	494/89	1367	57	18	-28	3.4	-0.18	-30	0.68	0.48	72
318009	Tironui **Superman** ET	423/98	1350	50	22	-131	-4.2	0.00	-30	0.53	0.65	77
319066	Tironui GB **Montage**-ET	431/88	1328	47	26	107	-1.5	-0.04	-14	0.93	0.44	75
316039	Ulmarra TT **Gallivant**	419/93	1317	47	18	-114	4.5	-0.03	-4	0.63	0.57	78
319035	Careys CM **Lexicon** S2J	412/87	1317	41	13	-563	-2.0	-0.18	-8	0.98	0.73	79
319030	Grantz BC **Hendrix** ET S3J	414/86	1313	43	22	16	6.9	0.05	4	0.07	0.46	76
315009	Riverview AND **Dexter** S2J	346/98	1280	29	20	-23	0.5	-0.31	-11	0.79	0.64	81
	Average	**420/98**	**1325**	**45**	**20**	**-105**	**1.1**	**-0.10**	**-13**	**0.66**	**0.57**	

KiwiCross®

Code	Name	gBW/Rel	VMSI	Milkfat	Protein	Volume	Fertility	SCC	O Opinion	Capacity	Udder O	Page
519023	Paynes **Publisher**-ET	437/86	1415	58	51	709	-2.7	0.22	0.56	0.63	0.45	100
519082	Heavynly Heights **Joshua**	378/85	1377	43	43	872	0.3	0.20	0.57	0.57	0.94	104
519012	Kokoamo **K2**	372/85	1342	42	27	159	0.5	0.09	0.64	0.85	0.70	107
518016	Horizon **Ascott**	364/98	1340	32	26	89	0.1	0.09	0.17	0.48	1.09	109
519014	Lynbrook **Kryptonite**	387/85	1338	41	26	438	-2.4	-0.32	0.40	0.11	0.95	103
519001	Greenmile **Tomahawk**	350/86	1337	36	36	685	-0.4	-0.30	0.14	0.09	0.63	106
515025	Speakes **Slipstream** ET	389/98	1329	40	19	34	4.4	-0.03	0.28	0.54	0.92	105
	Average	**382/98**	**1354**	**42**	**32**	**426**	**0.0**	**-0.01**	**0.39**	**0.47**	**0.81**	

** These bulls are available by breed in No Choice Packs from $20.39**
** If 10% InvestaMate discount applies (see page 124)*

17/02/2023

2023 Polled Bulls

Holstein-Friesian

Code	Name	gBW/Rel	Milkfat	Protein	Volume	Fertility	SCC	O Opinion	Udder O.	A2 Protein	Gene
123059	Wittenham MJ **Apex**-ET P S2F	468/44	69	35	631	0.5	-0.16	0.50	0.28	A1/A2	Pp
122080	Wittenham CP **Pollman**-P S1F	440/45	56	32	120	5.1	0.12	0.49	0.33	A2/A2	Pp
122013	Dicksons AR **Monopoll**-ET-P S2F	421/55	44	35	408	2.7	0.18	0.58	0.71	A2/A2	Pp
123052	Dicksons Star **Molten**-ET P S1F	347/45	48	39	612	-2.4	0.11	0.88	0.66	A1/A2	Pp
122027	Berrys Arena **Abraham**-P S2F	345/53	47	48	1062	-2.4	-0.04	0.59	0.67	A2/A2	Pp
123050	Haglea BG **Sensation**-ET P S2F	317/55	37	40	608	1.6	-0.24	0.45	0.30	A2/A2	Pp
122084	Haglea Arena **Sloan**-P	292/52	41	57	1293	-4.1	0.61	0.63	1.01	A2/A2	Pp
120053	Dicksons **Mr Poll**-P-ET S2F	284/55	30	30	483	-0.2	-0.03	0.34	-0.09	A1/A2	Pp
115132	Costers **Polarise**-ET S3F ^	276/98	44	20	429	-2.3	-0.26	0.50	0.17	A1/A1	Pp
118086	Costers AB **Pollicy**-P S2F	225/90	29	20	347	2.7	-0.01	0.34	-0.09	A1/A1	Pp
	Average	**342/95**	**44**	**36**	**599**	**0.1**	**0.03**	**0.53**	**0.39**		

Jersey

Code	Name	gBW/Rel	Milkfat	Protein	Volume	Fertility	SCC	Liveweight	Udder O	A2 Protein	Gene
323040	Scrimgeour RB **Zorro**-ET P	440/45	47	18	-242	1.2	-0.26	-29	0.20	A2/A2	Pp
322040	Lynbrook Marco **Bronze**-P S3J ^	314/55	34	3	-390	0.1	-0.37	-29	0.22	A2/A2	Pp
	Average	**377/51**	**41**	**11**	**-316**	**0.6**	**-0.31**	**-29**	**0.21**		

KiwiCross®

Code	Name	gBW/Rel	Milkfat	Protein	Volume	Fertility	SCC	O Opinion	Udder O	A2 Protein	Gene
518008	Arkans **Polynesia**-P ^ F11J5	324/89	47	28	549	-5.0	-0.30	0.38	0.50	A1/A2	Pp
517004	Arkans **Napolleon**-P F12J4	180/66	10	11	-97	4.7	-0.48	0.28	0.07	A1/A2	Pp
	Average	**252/64**	**29**	**20**	**226**	**-0.2**	**-0.39**	**0.33**	**0.28**		

** These bulls are available by breed in No Choice Packs from $20.39**
Available individually, prices from $24.95 +gst
** If 10% InvestaMate discount applies (see page 124)*

Polled Holstein-Friesian Also Available

Code	Name	gBW/Rel	Milkfat	Protein	Volume	Fertility	SCC	O Opinion	Udder O	A2 Protein	Gene
117037	Costers **Northpoll** PP S1F ^*	208/63	35	17	232	-3.6	-0.19	0.48	0.08	A1/A1	PP
117036	Costers **Metropolis** P S2F	198/68	27	34	690	-3.6	0.14	0.31	-0.06	A1/A2	Pp
120010	Costers P **Polljump**-PP S2F ^	191/53	22	19	282	2.5	-0.08	0.53	0.29	A1/A1	PP
113058	Costers **Politician** S3F #	147/97	21	37	1048	-5.2	0.10	0.29	0.36	A1/A2	Pp

These polled also available bulls are available individually at $8.95 + gst per straw
If 10% InvestaMate discount applies (see page 124)
*^ Recessive Fertility Gene carrier * CVM Carrier # Red Factor Carrier*

17/02/2023

2023

Premier Sires®

For updated bull information after each AE run, scan the QR code

Potential 2023 Holstein-Friesian Premier Sires® **Forward Pack** Team

Sire	
119002	BELLAMYS DM **GALANT**-ET S1F
119014	BUELIN BM **EQUATOR** S2F
119033	LIGHTBURN **FREE RANGE**-ET
119079	BUSY BROOK **DEALER**-ET S2F
119034	TAFTS RHD **OFFICER**-ET S2F
119098	PRATTLEYS LR **VIVID**-ET S2F
122015	TANGLEWOOD MF **STORM** S1F
122049	LIGHTBURN SAQ **GASOLINE**-ET
122045	ASHDALE STAR **RAFA**-ET S1F

Sire	
122016	TANGLEWOOD MS **WAVE** S1F
122080	WITTENHAM CP **POLLMAN**-P S1F
122013	DICKSONS AR **MONOPOLL**-ET-P S2F
122025	TAUNTS ALLOY **HARWILL** S1F
121053	BUSYBROOK BE **IMPLY**-ET S2F
122005	BERRYS MB **HUMBLE** S2F
122048	LIGHTBURN MS **MEMPHIS**-ET S2F
122034	BUELIN MB **BLAST-OFF** S1F
122011	DICKSONS GUSTO **MR-RIGHT**-ET S2F

WEIGHTED AVERAGES OF PREMIER SIRES

Management		-.5	0	.5	1	
Adapts to Milking	.38					quickly
Shed Temperament	.38					placid
Milking Speed	.23					fast
Overall Opinion	.49					desirable

Conformation		-.5	0	.5	1	
Stature	.60					tall
Capacity	.42					capacious
Rump angle	-.14					sloping
Rump width	.50					wide
Legs	-.06					curved
Udder support	.50					strong
Front udder	.43					strong
Rear udder	.37					high
Fr teat	.11					close
Rr teat	.23					close
Teat length	-.38					long
Udder overall	.48					desirable
Dairy conf	.49					desirable

gBW/Rel %	**$ 418/98**
Milkfat	**54 kgs**
Protein	**39 kgs**
Milk	**698 Litres**
Liveweight	**53 kgs**
Functional Survival	**3.2%**
Milkfat %	**5.2%**
Protein %	**4.0%**
Heifer Calving Dif	**2.9%**
Cow Calving Dif	**0.7%**
Fertility	**3.3%**
SCC	**-0.13**
BCS	**0.13**

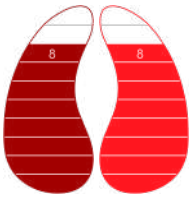
NB: the reliability of a team of bulls is always higher than using just one bull.

Date 17/02/2023

HOOFPRINT®

Methane Efficiency

Nitrogen Efficiency



Potential 2023 Jersey Premier Sires® **Forward Pack** Team

Sire	
319037	OKURA TIRONUI BT **MARCO** ET
319030	GRANTZ BC **HENDRIX** ET S3J
319023	CRESCENT MISTY **DAWSON**
318063	GLENUI PEPPER **SHAKER**
322022	JONES BB **PHANTOM**
322002	PAYNES RB **GENERATION**-ET
321008	GLANTON FLYNN **BRISBANE**
322036	GLANTON KFP **BREMEN**-ET

Sire	
322205	LYNBROOK TRIGG **BRAVADO**
320027	CHARLTONS MISTY **MAGNIFY**
321045	CARATACUS TB **DUKE**
322031	GLENUI MAGNIFY **SYLVESTOR**
321002	PURIRI MATUA **SABRE**
322007	CARATACUS FAVOUR **DEFINITION**-ET
320200	THORNLEA MISTY **TOPSHOT** ET
321026	ACACIA HOSS **TUI**

WEIGHTED AVERAGES OF PREMIER SIRES

Management	-.5 0 .5 1	
Adapts to Milking	.24	quickly
Shed Temperament	.24	placid
Milking Speed	.13	fast
Overall Opinion	.32	desirable

Conformation	-.5 0 .5 1	
Stature	-.53	tall
Capacity	.53	capacious
Rump angle	-.06	sloping
Rump width	-.08	wide
Legs	.07	curved
Udder support	.26	strong
Front udder	.36	strong
Rear udder	.48	high
Fr teat	.09	close
Rr teat	-.07	close
Teat length	.02	long
Udder overall	.41	desirable
Dairy conf	.46	desirable

gBW/Rel %	**$ 418/98**
Milkfat	**40 kgs**
Protein	**16 kgs**
Milk	**-269 Litres**
Liveweight	**-20 kgs**
Functional Survival	**2.6%**
Milkfat %	**6.0%**
Protein %	**4.4%**
Heifer Calving Dif	**-1.9%**
Cow Calving Dif	**-0.9%**
Fertility	**3.3%**
SCC	**-0.09**
BCS	**0.16**

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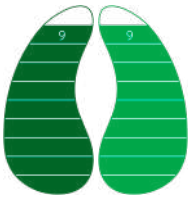
Date 17/02/2023

HOOFPRINT®

Methane Efficiency

Nitrogen Efficiency



Potential 2023 KiwiCross® Premier Sires® **Forward Pack** Team (F9J7)

Sire	
518019	DIGGS **HARDCOPY**
515025	SPEAKES **SLIPSTREAM** ET
519020	PAYNES **PROFESSOR**-ET
519068	VAN STRAALENS **ELITE**-ET
518016	HORIZON **ASCOTT**
519001	GREENMILE **TOMAHAWK**
522006	PAYNES **SPECIALIST**
522077	TATAWAI **WRESTLER**-ET
522082	HENRYS **AMBITION**
522013	PAYNES **PHYSICIST**-ET

Sire	
521059	HACKER **ADVANTAGE**-ET
521028	SNOWLINE **ANDY**-ET
522017	BURGESS **PLATO**-ET
521005	PAYNES **SUBLIME**-ET
522059	JUFFERMANS **MR-EXCLUSIVE**
522024	FOXTON **TACTICIAN**
522023	CLOVALLEY **SCORPION**
522034	BURMEISTERS **BRUISER**-ET
522039	ARKANS **DEMOCRAT**-ET
522068	STONY CREEK **GRANDEE**

WEIGHTED AVERAGES OF PREMIER SIRES

Management		-.5 0 .5 1	
Adapts to Milking	.24		quickly
Shed Temperament	.24		placid
Milking Speed	.10		fast
Overall Opinion	.30		desirable
Conformation		**-.5 0 .5 1**	
Stature	-.08		tall
Capacity	.55		capacious
Rump angle	.06		sloping
Rump width	.15		wide
Legs	.01		curved
Udder support	.55		strong
Front udder	.51		strong
Rear udder	.59		high
Fr teat	.06		close
Rr teat	.25		close
Teat length	-.06		long
Udder overall	.56		desirable
Dairy conf	.51		desirable

gBW/Rel %	**$ 440/98**
Milkfat	**48 kgs**
Protein	**32 kgs**
Milk	**296 Litres**
Liveweight	**13 kgs**
Functional Survival	**3.2%**
Milkfat %	**5.5%**
Protein %	**4.2%**
Heifer Calving Dif BV	**0.1%**
Cow Calving Dif BV	**-0.4%**
Fertility	**2.9%**
SCC	**-0.11**
BCS	**0.11**

NB: the reliability of a team of bulls is always higher than using just one bull.

Date 17/02/2023

HOOFPRINT®

Methane Efficiency

Nitrogen Efficiency

Potential 2023 Holstein-Friesian Premier Sires® **Daughter Proven** Team

Sire	
119002	BELLAMYS DM **GALANT**-ET S1F
119014	BUELIN BM **EQUATOR** S2F
119033	LIGHTBURN **FREE RANGE**-ET
119079	BUSY BROOK **DEALER**-ET S2F
119034	TAFTS RHD **OFFICER**-ET S2F
119098	PRATTLEYS LR **VIVID**-ET S2F
115107	LIGHTBURN BLADE **GUSTO**
119041	ROYSON MG **CURRENCY** S3F

Sire	
119035	TAFTS RHR **ORDAIN** S3F
119039	GREENWELL AB **BRAZE**-ET S2F
119015	BUELIN MG **GLACIER**
119077	BUSY BROOK **CASHPOINT** S1F

WEIGHTED AVERAGES OF PREMIER SIRES

Management	-.5	0	.5	1	
Adapts to Milking	.42				quickly
Shed Temperament	.43				placid
Milking Speed	.13				fast
Overall Opinion	.52				desirable

Conformation	-.5	0	.5	1	
Stature	.79				tall
Capacity	.60				capacious
Rump angle	-.14				sloping
Rump width	.55				wide
Legs	-.05				curved
Udder support	.61				strong
Front udder	.62				strong
Rear udder	.45				high
Fr teat	.20				close
Rr teat	.24				close
Teat length	-.43				long
Udder overall	.63				desirable
Dairy conf	.61				desirable

gBW/Rel%	**$367/99**
Milkfat	**51 kgs**
Protein	**45 kgs**
Milk	**976 Litres**
Liveweight	**72 kgs**
Functional Survival	**2.6%**
Milkfat %	**4.9%**
Protein %	**3.9%**
Heifer Calving Dif	**2.5%**
Cow Calving Dif	**0.6%**
Fertility	**0.3%**
SCC	**-0.09**
BCS	**0.19**

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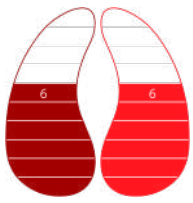
Date 17/02/2023

HOOFPRINT®

Methane Efficiency

Nitrogen Efficiency



Potential 2023 Jersey Premier Sires® **Daughter Proven** Team

Sire	
318001	OKURA PEPPER **LUCCA**
316039	ULMARRA TT **GALLIVANT**
319037	OKURA TIRONUI BT **MARCO** ET
319030	GRANTZ BC **HENDRIX** ET S3J
319023	CRESCENT MISTY **DAWSON**
318063	GLENUI **PEPPER SHAKER**

Sire	
318035	SHELBY BC **LOTTO** ET S3J
317049	SHELBY SS **LORENZO** S3J

WEIGHTED AVERAGES OF PREMIER SIRES

Management		-.5 0 .5 1	
Adapts to Milking	.33		quickly
Shed Temperament	.33		placid
Milking Speed	.16		fast
Overall Opinion	.40		desirable
Conformation		**-.5 0 .5 1**	
Stature	-.54		tall
Capacity	.49		capacious
Rump angle	-.23		sloping
Rump width	.02		wide
Legs	.08		curved
Udder support	.27		strong
Front udder	.44		strong
Rear udder	.48		high
Fr teat	.19		close
Rr teat	-.04		close
Teat length	.23		long
Udder overall	.47		desirable
Dairy conf	.45		desirable

gBW/Rel%	**$408/99**
Milkfat	**40 kgs**
Protein	**16 kgs**
Milk	**-188 Litres**
Liveweight	**-23 kgs**
Functional Survival	**2.1%**
Milkfat %	**5.9%**
Protein %	**4.3%**
Heifer Calving Dif	**-2.1%**
Cow Calving Dif	**-0.8%**
Fertility	**4.0%**
SCC	**-0.04**
BCS	**0.14**

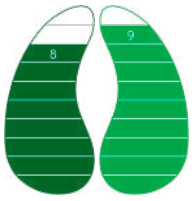
NB: the reliability of a team of bulls is always higher than using just one bull.

Date 17/02/2023

HOOFPRINT®

Methane Efficiency

Nitrogen Efficiency



Potential 2023 KiwiCross® Premier Sires® **Daughter Proven** Team (F9J7)

Sire	
519034	GORDONS **FLASH**-**GORDON**
518019	DIGGS **HARDCOPY**
515025	SPEAKES **SLIPSTREAM** ET
519042	WERDERS **SWEEPSTAKE**
519020	PAYNES **PROFESSOR**-ET
519082	HEAVYNLY HEIGHTS **JOSHUA**

Sire	
519061	ARKANS **BAILIFF**
519012	KOKOAMO **K2**
519068	VAN STRAALENS **ELITE**-ET
518016	HORIZON **ASCOTT**
519001	GREENMILE **TOMAHAWK**
519062	ARKANS **BARRIER**

WEIGHTED AVERAGES OF PREMIER SIRES

Management	-.5 0 .5 1	
Adapts to Milking	.36	quickly
Shed Temperament	.36	placid
Milking Speed	.18	fast
Overall Opinion	.41	desirable
Conformation	**-.5 0 .5 1**	
Stature	-.09	tall
Capacity	.71	capacious
Rump angle	-.08	sloping
Rump width	.33	wide
Legs	.02	curved
Udder support	.49	strong
Front udder	.50	strong
Rear udder	.58	high
Fr teat	.23	close
Rr teat	.38	close
Teat length	-.33	long
Udder overall	.59	desirable
Dairy conf	.66	desirable

gBW/Rel%	**$387/99**
Milkfat	**44 kgs**
Protein	**33 kgs**
Milk	**466 Litres**
Liveweight	**17 kgs**
Functional Survival	**3.0%**
Milkfat %	**5.2%**
Protein %	**4.1%**
Heifer Calving Dif	**0.8%**
Cow Calving Dif	**-0.1%**
Fertility	**1.2%**
SCC	**-0.06**
BCS	**0.12**

NB: the reliability of a team of bulls is always higher than using just one bull.

Date 17/02/2023

HOOFPRINT®

Methane Efficiency

Nitrogen Efficiency

Potential 2023 Holstein-Friesian Premier Sires® **A2A2** Team

Sire	
122046	ARON-AMY FINN **ORACLE**-ET
122058	TELESIS FLEX **THEODORE** S1F
122076	MURITAI ARENA **LOMU**-ET S3F
122072	WAITARIA FINN **TAINE**-ET S1F
122009	DICKSONS RS **MARLIN**-ET S1F
122008	DICKSONS FINN **MINDSET**-ET
121040	SPRING RIVER GG **SPYRO** S1F

Sire	
122092	TRONNOCO EQ **SHEIK**-ET S3F
122031	RITSON FINN **NORTHSTAR** S1F
121043	MAHAREE TO **NIRVANA** S2F
121001	MILL-RIDGE RC **FORD**-ET S3F
121046	BELLAMYS RS **GADSBY**-ET S1F
122026	KAIMORE GUSTO **EROS** S2F
122047	LIGHTBURN BUD **MACH**-ET S2F

WEIGHTED AVERAGES OF PREMIER SIRES

Management		-.5	0	.5	1	
Adapts to Milking	.32					quickly
Shed Temperament	.33					placid
Milking Speed	.09					fast
Overall Opinion	.39					desirable
Conformation		**-.5**	**0**	**.5**	**1**	
Stature	.54					tall
Capacity	.44					capacious
Rump angle	-.02					sloping
Rump width	.31					wide
Legs	-.04					curved
Udder support	.48					strong
Front udder	.49					strong
Rear udder	.27					high
Fr teat	.18					close
Rr teat	.34					close
Teat length	-.19					long
Udder overall	.45					desirable
Dairy conf	.42					desirable

gBW/Rel%	**$376/97**
Milkfat	**49 kgs**
Protein	**37 kgs**
Milk	**688 Litres**
Liveweight	**58 kgs**
Functional Survival	**2.7%**
Milkfat %	**5.1%**
Protein %	**4.0%**
Heifer Calving Dif	**1.5%**
Cow Calving Dif	**0.4%**
Fertility	**4.0%**
SCC	**-0.10**
BCS	**0.16**

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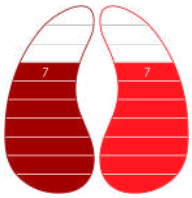
Date 17/02/2023

HOOFPRINT®

Methane Efficiency

Nitrogen Efficiency



Potential 2023 Holstein-Friesian Premier Sires® **Sexed** Team

Sire	
122018	SHARPE BE **SHOOTER**-ET S2F
122012	DICKSONS FINN **MOHAWK**-ET S1F
122056	MAH FINN **SAGE**-ET S1F
122065	PRATTLEYS LUCID **FREE-STYLE** S1F
122082	MILL-RIDGE MF **GENTLEMAN**-ET S1F
122044	MEANDER FINN **ALASKA**-ET S1F
122029	MAHAREE FINN **TONIC**-ET S1F
122073	SHARPE ARENA **SHORTLIST**-ET S2F

Sire	
121069	TAFTS **TRADESMAN** S2F
121082	LIGHTBURN FREER **GROOVE**
122050	MEANDER MB **ADVENTURE** S2F
122078	OAKLINE PW **KRAKA** S1F
121017	MCERLEAN LF **WISEMAN** S3F
120041	MAKKERS **MONEYMOON** S2F
122086	BALDRICKS PW **HARRY** S1F

WEIGHTED AVERAGES OF PREMIER SIRES

Management		-.5	0	.5	1	
Adapts to Milking	.34					quickly
Shed Temperament	.34					placid
Milking Speed	.18					fast
Overall Opinion	.44					desirable

Conformation		-.5	0	.5	1	
Stature	.77					tall
Capacity	.46					capacious
Rump angle	-.01					sloping
Rump width	.48					wide
Legs	-.02					curved
Udder support	.55					strong
Front udder	.50					strong
Rear udder	.33					high
Fr teat	.17					close
Rr teat	.23					close
Teat length	-.25					long
Udder overall	.52					desirable
Dairy conf	.48					desirable

gBW/Rel %	**$388/97**
Milkfat	**52 kgs**
Protein	**38 kgs**
Milk	**641 Litres**
Liveweight	**64 kgs**
Functional Survival	**3.0%**
Milkfat %	**5.2%**
Protein %	**4.1%**
Heifer Calving Dif	**1.7%**
Cow Calving Dif	**0.4%**
Fertility	**3.4%**
SCC	**0.00**
BCS	**0.12**

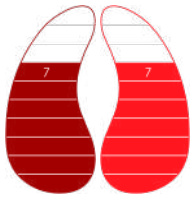
NB: the reliability of a team of bulls is always higher than using just one bull.

Date 17/02/2023

HOOFPRINT®

Methane Efficiency

Nitrogen Efficiency



Potential 2023 Jersey Premier Sires® **Sexed** Team

Sire	
322001	PAYNES TITUS **EXCELSIOR**-ET
322047	WILLIAMS BANFF **JULIAN**
322014	HAWTHORN GROVE GL **ODYSSEUS**
320020	THORNWOOD BANFF **TITUS**
322024	MONKS HOSS **TANK**
322012	CAWDOR **SAMBUCA**

Sire	
322017	RIVERINA LAZARO **JAKE**
321017	MONKS MISTY **STRIKER**
322202	OKURA TITUS **KOWHAI**
322034	SCOTTSDALE KP **CALVARY**-ET
321012	DOUGHBOY **DISTINCTION**
322200	LYNBROOK POPEYE **TAILORMADE**

WEIGHTED AVERAGES OF PREMIER SIRES

Management		-.5	0	.5	1	
Adapts to Milking	.29					quickly
Shed Temperament	.29					placid
Milking Speed	.09					fast
Overall Opinion	.36					desirable
Conformation		**-.5**	**0**	**.5**	**1**	
Stature	-.73					tall
Capacity	.59					capacious
Rump angle	.02					sloping
Rump width	.00					wide
Legs	.09					curved
Udder support	.45					strong
Front udder	.55					strong
Rear udder	.68					high
Fr teat	.16					close
Rr teat	.05					close
Teat length	.06					long
Udder overall	.63					desirable
Dairy conf	.50					desirable

gBW/Rel %	**$427/96**
Milkfat	**35 kgs**
Protein	**12 kgs**
Milk	**-444 Litres**
Liveweight	**-32 kgs**
Functional Survival	**2.8%**
Milkfat %	**6.1%**
Protein %	**4.5%**
Heifer Calving Dif	**-1.8%**
Cow Calving Dif	**-1.1%**
Fertility	**4.8%**
SCC	**-0.34**
BCS	**0.15**

NB: the reliability of a team of bulls is always higher than using just one bull.

Date 17/02/2023

HOOFPRINT®

Methane Efficiency

Nitrogen Efficiency

Potential 2023 KiwiCross® Premier Sires® **Sexed** Team (F8J8)

Sire	
522050	JULIAN **TU-MEKE**
521072	BALDRICKS **SPECTACULAR**
522012	PAYNES **GAMEBOY**-ET
522005	PAYNES **DALLAS**-ET
521015	PAYNES **STAMINA**-ET
522064	BROWNS **RANDY**
522038	ARKANS **COMMANDO**-ET
522060	KAIPER **TEMPTATION**-ET

Sire	
521035	WIFFENS **CENTURION**
522025	FOXTON **CONDUCTOR**
520037	GLENMEAD **MARVELLOUS**-ET
522069	BENTONS **SECOND-CHANCE**
522036	BURMEISTERS **BEASTIE**-ET
522015	WELLS RIDGE **MILLHOUSE**
522020	UPLAND PARK **CASSIUS**
522053	WITTENHAM **HAKEEM**-ET

WEIGHTED AVERAGES OF PREMIER SIRES

Management		-.5	0	.5	1	
Adapts to Milking	.32					quickly
Shed Temperament	.32					placid
Milking Speed	.19					fast
Overall Opinion	.38					desirable
Conformation		**-.5**	**0**	**.5**	**1**	
Stature	.00					tall
Capacity	.69					capacious
Rump angle	-.04					sloping
Rump width	.28					wide
Legs	.01					curved
Udder support	.55					strong
Front udder	.60					strong
Rear udder	.67					high
Fr teat	.03					close
Rr teat	.15					close
Teat length	-.15					long
Udder overall	.61					desirable
Dairy conf	.65					desirable

gBW/Rel %	**$460/97**
Milkfat	**52 kgs**
Protein	**32 kgs**
Milk	**235 Litres**
Liveweight	**22 kgs**
Functional Survival	**3.2%**
Milkfat %	**5.6%**
Protein %	**4.3%**
Heifer Calving Dif	**0.5%**
Cow Calving Dif	**-0.3%**
Fertility	**4.1%**
SCC	**-0.01**
BCS	**0.15**

NB: the reliability of a team of bulls is always higher than using just one bull.

Date 17/02/2023

HOOFPRINT®

Methane Efficiency

Nitrogen Efficiency

Organic

LIC holds organic certification meaning LIC is an approved supplier to organic systems making it even easier to breed organic dairy cows.

Organic input certification provides reassurance that our semen products meet required international standards. For example, you can be sure no GE (genetic engineering) has gone in to the development of our product.

Organic dairy farmers now have access to LIC's extensive range of elite sires, without having to apply for dispensation.

The certification is restricted to all semen collected and processed at LIC (Milking Shorthorn, Brown Swiss and most beef breeds are excluded, while Beef Pack Hereford and Short Gestation Hereford are included).

Sexing Technologies® who process LIC's Sexed Semen, also hold Organic certification meaning LIC's Sexed Semen can be used in organic systems.

Customate® Plus

You know your farm- the conditions, the climate and the animals that suit your system.

Alpha® gives you the ability to choose from the widest selection of high genetic merit bulls and with Customate® Plus you can create a programme capable of achieving those breeding goals most important to you.

Using Customate Plus, we can create your own breeding index, view your herd information down to each individual cow, and select any group of animals to mate. From there you choose the best team of bulls to meet your personalised objectives and we will enter constraints for the resulting progeny – all designed to push the boundaries within your own herd.

Into crossbreeding? Customate Plus can also maximise hybrid vigour for your crossbred matings. It couldn't be easier.

If you're ready to take total control of your breeding programme contact your Agri Manager or the Genetics team today.

- $2.60 +GST per cow
- Minimum of 50 cows
- Automatic inbreeding, CVM and recessive gene protection
- A full comprehensive report is provided, along with an A3 laminated Mating Shed Sheet

Mycoplasma bovis (M.bovis)

LIC has no reason to believe that any of our bulls are infected, due to strict quarantine procedures and our close veterinarian monitoring. We will continue to test all sires marketed by LIC to provide a greater level of assurance and peace of mind. For further information please contact your LIC Agri Manager.

What is Mycoplasma bovis?

- A bacterial disease found in cattle all over the world.
- No risk to humans or food.
- Leads to serious conditions in cattle.
- Spreads from animal to animal through close contact. Potentially spread on contaminated equipment and the feeding of untreated milk to calves. It is not windborne.
- Affected cattle will always be carriers of the disease
- Does not affect sheep or cause illness in goats although it is thought goats could carry and transmit it.

2023

Holstein Friesian

For updated bull information after each AE run, scan the QR code

Top 5 Combined Rankings

Breeding Worth

National herd breed average
$ 125

Code	Name	gBW/Rel
122015	Tanglewood MF **Storm** S1F	473/45
122049	Lightburn Saq **Gasoline**-ET	470/48
122045	Ashdale Star **Rafa**-ET S1F	459/45
122080	Wittenham CP **Pollman**-P S1F	440/45
122056	MAH Finn **Sage**-ET S1F	430/44

Protein

National herd breed average
24 kg

Code	Name	gBV
119033	Lightburn **Free Range**-ET	62
119034	Tafts RHD **Officer**-ET S2F	62
119041	Royson MG **Currency** S3F	62
122093	Tronnoco AR **Sadio**-ET S3F	58
119021	MAH MG **Speilberg**-ET S3F	57

Milkfat

National herd breed average
19 kg

Code	Name	gBV
121053	Busybrook BE **Imply**-ET S2F	65
119014	Buelin BM **Equator** S2F	65
119033	Lightburn **Free Range**-ET	61
122015	Tanglewood MF **Storm** S1F	60
122049	Lightburn Saq **Gasoline**-ET	60

Milk Volume

National herd breed average
630 litres

Code	Name	gBV
122093	Tronnoco AR **Sadio**-ET S3F	1743
119041	Royson MG **Currency** S3F	1670
119021	MAH MG **Speilberg**-ET S3F	1667
119034	Tafts RHD **Officer**-ET S2F	1564
119035	Tafts RHR **Ordain** S3F	1379

Fertility

National herd breed average
-1.2 %

Code	Name	gBV
122082	Mill-Ridge MF **Gentleman**-ET S1F	13.2
121011	Lombardi **Maverick** S3F	9.4
122015	Tanglewood MF **Storm** S1F	8.8
122058	Telesis Flex **Theodore** S1F	7.1
118061	Hallville AS **Cola** S2F	5.9

Functional Survival

National herd breed average
0.9 %

Code	Name	gBV
122054	Meander Scout **Attorney**-ET S2F	6.2
122015	Tanglewood MF **Storm** S1F	4.9
122051	Meander Samba **Astir**-ET S3F	4.7
122080	Wittenham CP **Pollman**-P S1F	4.0
119014	Buelin BM **Equator** S2F	3.9

Somatic Cell Score

National herd breed average
0.04

Code	Name	gBV
119002	Bellamys DM **Galant**-ET S1F	-0.66
119035	Tafts RHR **Ordain** S3F	-0.49
122009	Dicksons RS **Marlin**-ET S1F	-0.36
119092	Jones MG **Rampage** S3F	-0.36
122045	Ashdale Star **Rafa**-ET S1F	-0.28

Capacity

National herd breed average
0.17

Code	Name	gBV
119033	Lightburn **Free Range**-ET	1.33
119092	Jones MG **Rampage** S3F	1.14
119021	MAH MG **Speilberg**-ET S3F	0.95
119049	Wittenham MG **Alpine** S2F	0.94
121082	Lightburn Freer **Groove**	0.92

Udder Overall

National herd breed average
0.26

Code	Name	gBV
119041	Royson MG **Currency** S3F	1.07
121011	Lombardi **Maverick** S3F	1.06
119077	Busy Brook **Cashpoint** S1F	1.05
122054	Meander Scout **Attorney**-ET S2F	1.03
121069	Tafts **Tradesman** S2F	1.01

Overall Opinion

Sire breed average
0.20

Code	Name	gBV
119033	Lightburn **Free Range**-ET	0.80
119015	Buelin MG **Glacier**	0.77
122022	Mattajude MA **Magnificent** S3F	0.75
122093	Tronnoco AR **Sadio**-ET S3F	0.73
117068	Meander SB **Arrow**-ET S2F	0.73

Genomically Selected

Want the very latest genetics?

Individually	$33.55
Genomic Packs from	$27.45

*Includes 10% InvestaMate discount

2023 Yearling Bulls

This season the Alpha® yearling bulls won't be selected until September.

Due to their age, the earliest these bulls can be collected from is mid-winter and this has caused some supply issues in the past. LIC has therefore decided to wait until straws have been collected before announcing the 2023 yearling sires.

Yearling bulls will be exclusively available for purchase via Alpha. So, if you're looking to fast track your genetic gain and/or want access to the yearling bulls our Bull Acquisition team are using, make sure you register your interest with your LIC Agri Manager. Alternatively view the bulls online in September lic.co.nz/alpha

122022 Mattajude MA **Magnificent** S3F

Holstein-Friesian F16

Registered Pedigree (supplementary)

gBW $372/54% REL

Breeding Details

Breeder	M & J Brady		
Sire	Meander MG Arena-ET S3F	**MGS**	Tafts TT Official-ET S2F
Dam	NTHX-18-30	**MGD**	NTHX-15-37
gBW/Rel	400/67	**gBW/Rel**	340/70
PW/Rel	430/90	**PW/Rel**	573/94

Genomic Production gBVs

Production Efficiency

Milkfat	Protein	Milk Volume	Liveweight
51 kg	54 kg	1273 l	82 kg
4.6 %	3.9 %		

Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
2.7 %	0.13	0.10	1.9 %	0.81

Other

Heifer Calving Diff.	Cow Calving Diff.	Gestation Length
2.5%/16%	1.1%/31%	-4.5 days

Genomic TOP traits

	gBV	-.5	0	.5	1.0
Adapts to Milking	.78				
Shed Temperament	.80				
Milking Speed	.21				
Overall Opinion	.75				
Stature	1.17				
Capacity	.36				
Rump Angle	.54				
Rump Width	.74				
Legs	.05				
Udder Support	.77				
Front Udder	.67				
Rear Udder	.43				
Front Teat Placement	.63				
Rear Teat Placement	.91				
Teat Length	.04				
Udder Overall	.81				
Dairy Conformation	.44				

HOOFPRINT®

Nitrogen Efficiency

Methane Efficiency

LIC Initiatives

VMSI	1409	A2 Protein	A1A2
High Input	1430	% Black	65

121011 Lombardi **Maverick** S3F

Holstein-Friesian F16

Registered Pedigree (supplementary)

$381/54% gBW REL

Breeding Details

Breeder	I & T Megaw		
Sire	Royson MG Currency S3F	**MGS**	San Ray FM Beamer-ET S2F
Dam	BPNK-16-4	**MGD**	Lombardi Blitz Meg S1F
gBW/Rel	405/66	**gBW/Rel**	302/55
PW/Rel	611/91	**PW/Rel**	689/90

Genomic Production gBVs

Production Efficiency

Milkfat	Protein	Milk Volume	Liveweight
39 kg	41 kg	885 l	62 kg
4.7 %	3.9 %		

Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
9.4 %	-0.20	0.21	3.1 %	1.06

Other

Heifer Calving Diff.	Cow Calving Diff.	Gestation Length
1.5%/17%	1.3%/65%	-8.1 days

Genomic TOP traits

	gBV	-.5	0	.5	1.0
Adapts to Milking	.54				
Shed Temperament	.56				
Milking Speed	.10				
Overall Opinion	.52				
Stature	.93				
Capacity	.24				
Rump Angle	.14				
Rump Width	.97				
Legs	-.14				
Udder Support	.88				
Front Udder	1.14				
Rear Udder	.89				
Front Teat Placement	.31				
Rear Teat Placement	.24				
Teat Length	-.78				
Udder Overall	1.06				
Dairy Conformation	.47				

HOOFPRINT®

Nitrogen Efficiency

Methane Efficiency

LIC Initiatives

VMSI	1373	A2 Protein	A1A2
High Input	1419	% Black	90

122082 Mill-Ridge MF **Gentleman**-ET S1F

Holstein-Friesian F16

Registered Pedigree (supplementary)

$401/46% gBW REL

Breeding Details

Breeder	B, S & K Fullerton		
Sire	Mill-Ridge TS Finn-ET S1F	**MGS**	Bagworth PF Grandeur S1F
Dam	Mill-Ridge G Greta-ET S2F	**MGD**	Maire Eclipse Greta-ET
gBW/Rel	361/68	**gBW/Rel**	245/84
PW/Rel	498/90	**PW/Rel**	327/93

Genomic Production gBVs

Production Efficiency

Milkfat	Protein	Milk Volume	Liveweight
47 kg	29 kg	664 l	48 kg
5.0 %	3.9 %		

Robustness

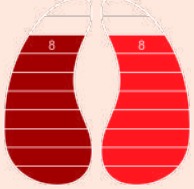
Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
13.2 %	-0.26	0.10	1.4 %	0.51

Other

Heifer Calving Diff.	Cow Calving Diff.	Gestation Length
1.0%/26%	0.3%/35%	-3.4 days

Genomic TOP traits

	gBV	-.5	0	.5	1.0
Adapts to Milking	.01				
Shed Temperament	.01				
Milking Speed	-.06				
Overall Opinion	.11				
Stature	.70				
Capacity	.30				
Rump Angle	.09				
Rump Width	.19				
Legs	.14				
Udder Support	.45				
Front Udder	.53				
Rear Udder	.51				
Front Teat Placement	-.03				
Rear Teat Placement	-.19				
Teat Length	-.10				
Udder Overall	.51				
Dairy Conformation	.23				



HOOFPRINT®

Nitrogen Efficiency

Methane Efficiency

LIC Initiatives

VMSI	1337	A2 Protein	A2A2
High Input	1383	% Black	70

122013 Dicksons AR **Monopoll**-ET-P S2F

Holstein-Friesian F16
Registered Pedigree (supplementary)

gBW $421/55% REL

Two-year-old maternal grandam. Owner: M J Dickson, Te Awamutu

Breeding Details

Breeder	M & J Dickson		
Sire	Meander SB Arrow-ET S2F	**MGS**	Costers Metropolis P S2F
Dam	Dicksons M Marieta-ET S2F	**MGD**	Dicksons CP Margy S1F
gBW/Rel	396/59	**gBW/Rel**	318/85
PW/Rel	667/57	**PW/Rel**	838/93

Genomic Production gBVs

Production Efficiency

Milkfat	Protein	Milk Volume	Liveweight
44 kg	35 kg	408 l	-5 kg
5.2 %	4.2 %		

Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
2.7 %	0.18	-0.03	3.3 %	0.71

Other

Heifer Calving Diff.	Cow Calving Diff.	Gestation Length
1.2%/30%	-0.3%/34%	-3.3 days

Genomic TOP traits

	gBV	-.5	0	.5	1.0
Adapts to Milking	.49				
Shed Temperament	.48				
Milking Speed	.51				
Overall Opinion	.58				
Stature	.30				
Capacity	.15				
Rump Angle	-.07				
Rump Width	.67				
Legs	-.03				
Udder Support	.68				
Front Udder	.92				
Rear Udder	.49				
Front Teat Placement	.16				
Rear Teat Placement	.24				
Teat Length	-.61				
Udder Overall	.71				
Dairy Conformation	.30				

HOOFPRINT®
Nitrogen Efficiency
Methane Efficiency

LIC Initiatives

VMSI	1385	A2 Protein	A2A2
High Input	1401	% Black	50

122073 Sharpe Arena **Shortlist**-ET S2F

Holstein-Friesian F16
Registered Pedigree (supplementary)

gBW $381/53% REL

Breeding Details

Breeder	A & K Sharpe		
Sire	Meander MG Arena-ET S3F	**MGS**	Van Heuvens VA Remedy S1F
Dam	JQWX-19-20	**MGD**	Strato WE Bridge S1F
gBW/Rel	306/63	**gBW/Rel**	357/69
PW/Rel	456/66	**PW/Rel**	512/91

Genomic Production gBVs

Production Efficiency

Milkfat	Protein	Milk Volume	Liveweight
54 kg	44 kg	832 l	58 kg
5.0 %	4.0 %		

Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
0.1 %	0.00	-0.01	2.0 %	0.58

Other

Heifer Calving Diff.	Cow Calving Diff.	Gestation Length
2.3%/17%	0.9%/30%	-4.6 days

Genomic TOP traits

	gBV	-.5	0	.5	1.0
Adapts to Milking	.37				
Shed Temperament	.37				
Milking Speed	.16				
Overall Opinion	.45				
Stature	.75				
Capacity	.49				
Rump Angle	.10				
Rump Width	.82				
Legs	-.12				
Udder Support	.61				
Front Udder	.47				
Rear Udder	.30				
Front Teat Placement	.41				
Rear Teat Placement	.72				
Teat Length	-.23				
Udder Overall	.58				
Dairy Conformation	.40				

HOOFPRINT®
Nitrogen Efficiency
Methane Efficiency

LIC Initiatives

VMSI	1394	A2 Protein	A2A2
High Input	1402	% Black	65

Fertility 4 Carrier

121053 Busybrook BE **Imply**-ET S2F

Holstein-Friesian F16

Registered Pedigree (supplementary)

$410/53% gBW REL

Breeding Details

Breeder	Busybrook		
Sire	Buelin BM Equator S2F	**MGS**	Maire IG Gauntlet-ET
Dam	Busybrook MG Ivy-ET S2F	**MGD**	Busybrook Beamer Ivy S1F
gBW/Rel	375/63	**gBW/Rel**	389/67
PW/Rel	641/84	**PW/Rel**	790/74

Genomic Production gBVs

Production Efficiency

Milkfat	Protein	Milk Volume	Liveweight
65 kg	46 kg	1138 l	75 kg
4.9 %	3.8 %		

Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
-1.1 %	-0.17	0.10	1.0 %	0.54

Other

Heifer Calving Diff.	Cow Calving Diff.	Gestation Length
4.6%/28%	2.1%/72%	-6.1 days

Genomic TOP traits

	gBV	-.5	0	.5	1.0
Adapts to Milking	.49				
Shed Temperament	.50				
Milking Speed	.15				
Overall Opinion	.62				
Stature	.91				
Capacity	.44				
Rump Angle	-.14				
Rump Width	.75				
Legs	-.10				
Udder Support	.62				
Front Udder	.35				
Rear Udder	.45				
Front Teat Placement	.11				
Rear Teat Placement	.27				
Teat Length	-.09				
Udder Overall	.54				
Dairy Conformation	.53				

HOOFPRINT®

Nitrogen Efficiency

Methane Efficiency

LIC Initiatives

VMSI	1415	A2 Protein	A1A2
High Input	1426	% Black	50

122080 Wittenham CP **Pollman**-P S1F

Holstein-Friesian F15J1

Registered Pedigree (supplementary)

$440/45% gBW REL

Breeding Details

Breeder	S & A Baxter		
Sire	Costers Pollish-P S1F	**MGS**	Woodcote FI Mastermind
Dam	MNWG-19-41	**MGD**	MNWG-16-72
gBW/Rel	338/62	**gBW/Rel**	266/55
PW/Rel	278/74	**PW/Rel**	227/90

Genomic Production gBVs

Production Efficiency

Milkfat	Protein	Milk Volume	Liveweight
56 kg	32 kg	120 l	59 kg
5.8 %	4.4 %		

Robustness

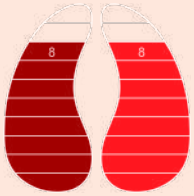
Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
5.1 %	0.12	0.19	4.0 %	0.33

Other

Heifer Calving Diff.	Cow Calving Diff.	Gestation Length
1.6%/18%	0.8%/27%	-3.6 days

Genomic TOP traits

	gBV	-.5	0	.5	1.0
Adapts to Milking	.34				
Shed Temperament	.33				
Milking Speed	.23				
Overall Opinion	.49				
Stature	.62				
Capacity	.64				
Rump Angle	-.07				
Rump Width	.62				
Legs	.00				
Udder Support	.29				
Front Udder	.23				
Rear Udder	.27				
Front Teat Placement	.14				
Rear Teat Placement	.10				
Teat Length	-.60				
Udder Overall	.33				
Dairy Conformation	.65				



HOOFPRINT®

Nitrogen Efficiency

Methane Efficiency

LIC Initiatives

VMSI	1373	A2 Protein	A2A2
High Input	1395	% Black	60

122065 Prattleys Lucid **Free-Style** S1F

Holstein-Friesian F15J1

Registered Pedigree (supplementary)

$429/45% gBW REL

Breeding Details

Breeder	C & P Prattley		
Sire	Woodcote VHR Lucid-ET S1F	**MGS**	Royson Justice Phonic S2F
Dam	GWKP-14-209	**MGD**	GWKP-10-133
gBW/Rel	297/62	**gBW/Rel**	276/52
PW/Rel	516/92	**PW/Rel**	611/90

Genomic Production gBVs

Production Efficiency

Milkfat	Protein	Milk Volume	Liveweight
43 kg	41 kg	515 l	10 kg
5.1 %	4.2 %		

Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
3.3 %	0.00	-0.02	3.4 %	0.60

Other

Heifer Calving Diff.	Cow Calving Diff.	Gestation Length
1.2%/17%	0.0%/31%	-2.5 days

Genomic TOP traits

	gBV	-.5	0	.5	1.0
Adapts to Milking	.38				
Shed Temperament	.39				
Milking Speed	.21				
Overall Opinion	.46				
Stature	.33				
Capacity	.18				
Rump Angle	-.29				
Rump Width	.25				
Legs	.06				
Udder Support	.70				
Front Udder	.35				
Rear Udder	.35				
Front Teat Placement	.42				
Rear Teat Placement	.93				
Teat Length	-.07				
Udder Overall	.60				
Dairy Conformation	.27				

HOOFPRINT®

Nitrogen Efficiency

Methane Efficiency

LIC Initiatives

VMSI	1406	A2 Protein	A2A2
High Input	1418	% Black	80

122034 Buelin MB **Blast-Off** S1F

Holstein-Friesian F15J1

Registered Pedigree (supplementary)

$386/46% gBW REL

Breeding Details

Breeder	S Buhler		
Sire	McKay BM Bakerboy-ET S2F	**MGS**	San Ray FM Beamer-ET S2F
Dam	Buelin Beamer Binky S0F	**MGD**	DXQR-09-3
gBW/Rel	435/65	**gBW/Rel**	285/57
PW/Rel	821/91	**PW/Rel**	624/91

Genomic Production gBVs

Production Efficiency

Milkfat	Protein	Milk Volume	Liveweight
51 kg	47 kg	866 l	50 kg
4.9 %	4.0 %		

Robustness

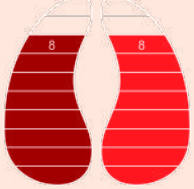
Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
0.3 %	0.23	0.05	2.7 %	0.54

Other

Heifer Calving Diff.	Cow Calving Diff.	Gestation Length
2.5%/24%	1.2%/33%	-6.2 days

Genomic TOP traits

	gBV	-.5	0	.5	1.0
Adapts to Milking	.21				
Shed Temperament	.22				
Milking Speed	.03				
Overall Opinion	.26				
Stature	.62				
Capacity	.40				
Rump Angle	-.16				
Rump Width	.72				
Legs	.12				
Udder Support	.49				
Front Udder	.38				
Rear Udder	.39				
Front Teat Placement	.45				
Rear Teat Placement	.80				
Teat Length	-.42				
Udder Overall	.54				
Dairy Conformation	.49				



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Nitrogen Efficiency

Methane Efficiency

LIC Initiatives

VMSI	1381	A2 Protein	A1A2
High Input	1398	% Black	75

122049 Lightburn Saq **Gasoline**-ET

Holstein-Friesian F16

Registered Pedigree

$470 gBW / 48% REL

Breeding Details

Breeder	J & W Allen		
Sire	TronnocoMSaquoon-ETS3F	**MGS**	Gordons AM Lancelot
Dam	Lightburn Lance Gracie-ET	**MGD**	Lightburn F M I Gracie-ET
gBW/Rel	404/70	**gBW/Rel**	624/91
PW/Rel	578/88	**PW/Rel**	467/93

Genomic Production gBVs

Production Efficiency

Milkfat	Protein	Milk Volume	Liveweight
60 kg	43 kg	667 l	50 kg
5.3 %	4.1 %		

Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
3.2 %	-0.03	0.12	3.6 %	0.62

Other

Heifer Calving Diff.	Cow Calving Diff.	Gestation Length
3.1%/29%	0.2%/37%	0.0 days

Genomic TOP traits

	gBV	-.5	0	.5	1.0
Adapts to Milking	.53				
Shed Temperament	.54				
Milking Speed	.15				
Overall Opinion	.62				
Stature	.41				
Capacity	.28				
Rump Angle	-.37				
Rump Width	.23				
Legs	-.06				
Udder Support	.72				
Front Udder	.49				
Rear Udder	.43				
Front Teat Placement	.23				
Rear Teat Placement	.58				
Teat Length	-.84				
Udder Overall	.62				
Dairy Conformation	.41				

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Nitrogen Efficiency

Methane Efficiency

LIC Initiatives

VMSI	1439	A2 Protein	A1A2
High Input	1458	% Black	75

122056 MAH Finn **Sage**-ET S1F

Holstein-Friesian F16

Registered Pedigree (supplementary)

$430 gBW / 44% REL

Breeding Details

Breeder	M & C Berkers		
Sire	Mill-Ridge TS Finn-ET S1F	**MGS**	Stoupes BG Triumphant S1F
Dam	MAH ST Saffron S1F	**MGD**	MAH SB Surprise-ET S2F
gBW/Rel	410/61	**gBW/Rel**	361/68
PW/Rel	581/59	**PW/Rel**	514/87

Genomic Production gBVs

Production Efficiency

Milkfat	Protein	Milk Volume	Liveweight
58 kg	34 kg	386 l	35 kg
5.5 %	4.2 %		

Robustness

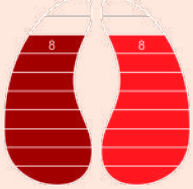
Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
1.5 %	0.13	0.02	2.7 %	0.64

Other

Heifer Calving Diff.	Cow Calving Diff.	Gestation Length
2.2%/24%	0.2%/34%	-4.4 days

Genomic TOP traits

	gBV	-.5	0	.5	1.0
Adapts to Milking	.42				
Shed Temperament	.42				
Milking Speed	.23				
Overall Opinion	.51				
Stature	.36				
Capacity	.14				
Rump Angle	-.15				
Rump Width	.15				
Legs	.04				
Udder Support	.59				
Front Udder	.52				
Rear Udder	.30				
Front Teat Placement	.43				
Rear Teat Placement	.34				
Teat Length	.05				
Udder Overall	.64				
Dairy Conformation	.26				



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Nitrogen Efficiency

Methane Efficiency

LIC Initiatives

VMSI	1398	A2 Protein	A2A2
High Input	1408	% Black	90

121069 Tafts **Tradesman** S2F

Holstein-Friesian F16

Registered Pedigree (supplementary)

$374/57% gBW REL

Breeding Details

Breeder	G & L Taft		
Sire	Lightburn Max Grit-ET S2F	**MGS**	San Ray FM Beamer-ET S2F
Dam	DRQ-16-24	**MGD**	DRQ-14-3
gBW/Rel	468/77	**gBW/Rel**	380/76
PW/Rel	335/89	**PW/Rel**	626/90

Genomic Production gBVs

Production Efficiency

Milkfat	Protein	Milk Volume	Liveweight
56 kg	42 kg	1006 l	67 kg
4.9 %	3.9 %		

Robustness

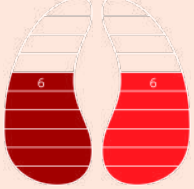
Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
-0.3 %	-0.20	0.06	2.5 %	1.01

Other

Heifer Calving Diff.	Cow Calving Diff.	Gestation Length
0.9%/19%	0.8%/71%	-1.7 days

Genomic TOP traits

	gBV	-.5	0	.5	1.0
Adapts to Milking	.13				
Shed Temperament	.14				
Milking Speed	-.08				
Overall Opinion	.21				
Stature	1.04				
Capacity	.34				
Rump Angle	.03				
Rump Width	.88				
Legs	-.15				
Udder Support	1.00				
Front Udder	.86				
Rear Udder	.63				
Front Teat Placement	.54				
Rear Teat Placement	.70				
Teat Length	.27				
Udder Overall	1.01				
Dairy Conformation	.58				



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Nitrogen Efficiency

Methane Efficiency

LIC Initiatives

VMSI	1402	A2 Protein	A2A2
High Input	1420	% Black	50

122058 Telesis Flex **Theodore** S1F

Holstein-Friesian F16

Registered Pedigree (supplementary)

$420/46% gBW REL

Breeding Details

Breeder	G Wilson		
Sire	Mill-Ridge TS Flex-ET S1F	**MGS**	Bagworth PF Grandeur S1F
Dam	Telesis Grand Ebell S1F	**MGD**	Telesis Mint Ebell S1F
gBW/Rel	339/67	**gBW/Rel**	291/78
PW/Rel	188/85	**PW/Rel**	467/94

Genomic Production gBVs

Production Efficiency

Milkfat	Protein	Milk Volume	Liveweight
55 kg	34 kg	621 l	67 kg
5.2 %	4.0 %		

Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
7.1 %	-0.08	0.26	3.8 %	0.54

Other

Heifer Calving Diff.	Cow Calving Diff.	Gestation Length
0.7%/18%	0.0%/33%	-6.7 days

Genomic TOP traits

	gBV	-.5	0	.5	1.0
Adapts to Milking	.05				
Shed Temperament	.04				
Milking Speed	.09				
Overall Opinion	.17				
Stature	.48				
Capacity	.40				
Rump Angle	-.09				
Rump Width	.42				
Legs	-.09				
Udder Support	.64				
Front Udder	.75				
Rear Udder	.23				
Front Teat Placement	.11				
Rear Teat Placement	.32				
Teat Length	-.03				
Udder Overall	.54				
Dairy Conformation	.46				

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Nitrogen Efficiency

Methane Efficiency

LIC Initiatives

VMSI	1374	A2 Protein	A2A2
High Input	1407	% Black	85

122051 Meander Samba **Astir**-ET S3F

Holstein-Friesian F16

Registered Pedigree (supplementary)

$385/59% gBW REL

Breeding Details

Breeder	R & A Bruin		
Sire	TronnocoMHSamba-ETS3F	**MGS**	San Ray FM Beamer-ET S2F
Dam	Meander Beam Ash-ET S2F	**MGD**	Meander FMI April S2F
gBW/Rel	445/78	**gBW/Rel**	346/92
PW/Rel	657/92	**PW/Rel**	825/91

Genomic Production gBVs

Production Efficiency

Milkfat	Protein	Milk Volume	Liveweight
46 kg	48 kg	887 l	62 kg
4.8 %	4.1 %		

Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
1.5 %	0.00	0.08	4.7 %	0.92

Other

Heifer Calving Diff.	Cow Calving Diff.	Gestation Length
2.1%/22%	0.6%/41%	-4.5 days

Genomic TOP traits

	gBV	-.5	0	.5	1.0
Adapts to Milking	.39				
Shed Temperament	.38				
Milking Speed	.23				
Overall Opinion	.56				
Stature	1.05				
Capacity	.22				
Rump Angle	-.02				
Rump Width	.47				
Legs	-.21				
Udder Support	.75				
Front Udder	.78				
Rear Udder	.69				
Front Teat Placement	.38				
Rear Teat Placement	.04				
Teat Length	-.18				
Udder Overall	.92				
Dairy Conformation	.49				

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Nitrogen Efficiency

Methane Efficiency

LIC Initiatives

VMSI	1396	A2 Protein	A1A2
High Input	1415	% Black	85

122045 Ashdale Star **Rafa**-ET S1F

Holstein-Friesian F16

Registered Pedigree (supplementary)

$459/45% gBW REL

Breeding Details

Breeder	Ashdale Enterprises Ltd		
Sire	MAH Super Stardust S1F	**MGS**	Glen Koru Ethos-ET S1F
Dam	Ashdale Ethos Lourda S1F	**MGD**	Ashdale Legacy Louda S2F
gBW/Rel	376/62	**gBW/Rel**	336/66
PW/Rel	375/72	**PW/Rel**	500/91

Genomic Production gBVs

Production Efficiency

Milkfat	Protein	Milk Volume	Liveweight
55 kg	44 kg	763 l	34 kg
5.1 %	4.1 %		

Robustness

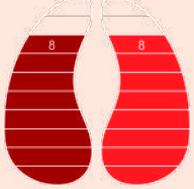
Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
0.6 %	-0.28	0.07	2.4 %	0.84

Other

Heifer Calving Diff.	Cow Calving Diff.	Gestation Length
2.6%/18%	0.6%/32%	-5.4 days

Genomic TOP traits

	gBV	-.5	0	.5	1.0
Adapts to Milking	.34				
Shed Temperament	.34				
Milking Speed	.18				
Overall Opinion	.47				
Stature	.41				
Capacity	.30				
Rump Angle	-.44				
Rump Width	.28				
Legs	-.07				
Udder Support	.74				
Front Udder	.65				
Rear Udder	.52				
Front Teat Placement	.59				
Rear Teat Placement	.64				
Teat Length	-.45				
Udder Overall	.84				
Dairy Conformation	.44				



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Nitrogen Efficiency

Methane Efficiency

LIC Initiatives

VMSI	1441	A2 Protein	A1A2
High Input	1453	% Black	90

122015 Tanglewood MF **Storm** S1F

Holstein-Friesian F16

Registered Pedigree (supplementary)

$473/45% gBW REL

Breeding Details

Breeder	M & N Hawkings		
Sire	Mill-Ridge TS Finn-ET S1F	**MGS**	River Heights Dude-ET S2F
Dam	Tanglewood Dude Raine-ET S2F	**MGD**	Tanglewood L Raine-ET S3F
gBW/Rel	384/64	**gBW/Rel**	325/70
PW/Rel	483/86	**PW/Rel**	556/90

Genomic Production gBVs

Production Efficiency

Milkfat	Protein	Milk Volume	Liveweight
60 kg	36 kg	666 l	66 kg
5.3 %	4.0 %		

Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
8.8 %	-0.22	0.24	4.9 %	0.53

Other

Heifer Calving Diff.	Cow Calving Diff.	Gestation Length
1.8%/24%	1.0%/34%	-4.9 days

Genomic TOP traits

	gBV	-.5	0	.5	1.0
Adapts to Milking	.27				
Shed Temperament	.26				
Milking Speed	.28				
Overall Opinion	.38				
Stature	.59				
Capacity	.13				
Rump Angle	.13				
Rump Width	.44				
Legs	-.08				
Udder Support	.56				
Front Udder	.47				
Rear Udder	.42				
Front Teat Placement	.09				
Rear Teat Placement	.13				
Teat Length	-.34				
Udder Overall	.53				
Dairy Conformation	.23				

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Nitrogen Efficiency

Methane Efficiency

LIC Initiatives

VMSI	1409	A2 Protein	A1A2
High Input	1437	% Black	80

Fertility 3 & 4 Carrier

121082 Lightburn Freer **Groove**

Holstein-Friesian F16

Registered Pedigree

$364/55% gBW REL

Sire of Groove - 119033 Lightburn Free Range-ET

Breeding Details

Breeder	J & W Allen		
Sire	Lightburn Free Range-ET	**MGS**	Mourne Grove Hothouse S2F
Dam	Lightburn H Greta-ET S3F	**MGD**	Lightburn IGN Greta-ET
gBW/Rel	298/71	**gBW/Rel**	388/73
PW/Rel	571/91	**PW/Rel**	701/90

Genomic Production gBVs

Production Efficiency

Milkfat	Protein	Milk Volume	Liveweight
45 kg	56 kg	1020 l	96 kg
4.7 %	4.1 %		

Robustness

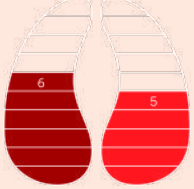
Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
0.6 %	0.02	0.26	3.0 %	0.82

Other

Heifer Calving Diff.	Cow Calving Diff.	Gestation Length
1.0%/25%	0.6%/71%	-0.4 days

Genomic TOP traits

	gBV	-.5	0	.5	1.0
Adapts to Milking	.59				
Shed Temperament	.60				
Milking Speed	.28				
Overall Opinion	.72				
Stature	1.01				
Capacity	.92				
Rump Angle	-.25				
Rump Width	.63				
Legs	-.03				
Udder Support	.80				
Front Udder	.91				
Rear Udder	.43				
Front Teat Placement	.34				
Rear Teat Placement	.32				
Teat Length	-.84				
Udder Overall	.82				
Dairy Conformation	.82				



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Nitrogen Efficiency

Methane Efficiency

LIC Initiatives

VMSI	1398	A2 Protein	A2A2
High Input	1424	% Black	90

122093 Tronnoco AR **Sadio**-ET S3F

Holstein-Friesian F16

Registered Pedigree (supplementary)

$353/53% gBW REL

Breeding Details

Breeder	T & K O'Connor		
Sire	Meander MG Arena-ET S3F	**MGS**	Bothwell WT Maxima S2F
Dam	Tronnoco M Suzann-ET S3F	**MGD**	Tronnoco Mint Sunita
gBW/Rel	361/65	**gBW/Rel**	299/83
PW/Rel	271/62	**PW/Rel**	607/96

Genomic Production gBVs

Production Efficiency

Milkfat	Protein	Milk Volume	Liveweight
54 kg	58 kg	1743 l	75 kg
4.3 %	3.7 %		

Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
2.5 %	0.40	0.02	2.1 %	0.96

Other

Heifer Calving Diff.	Cow Calving Diff.	Gestation Length
3.6%/18%	1.3%/31%	-4.5 days

Genomic TOP traits

	gBV	-.5	0	.5	1.0
Adapts to Milking	.66				
Shed Temperament	.67				
Milking Speed	.27				
Overall Opinion	.73				
Stature	.66				
Capacity	.42				
Rump Angle	.07				
Rump Width	.58				
Legs	-.04				
Udder Support	.87				
Front Udder	.95				
Rear Udder	.65				
Front Teat Placement	.48				
Rear Teat Placement	.70				
Teat Length	.17				
Udder Overall	.96				
Dairy Conformation	.49				

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Nitrogen Efficiency

Methane Efficiency

LIC Initiatives

VMSI	1407	A2 Protein	A1A2
High Input	1439	% Black	65

122009 Dicksons RS **Marlin**-ET S1F

Holstein-Friesian F16

Registered Pedigree (supplementary)

$388/52% gBW REL

Breeding Details

Breeder	M & J Dickson		
Sire	Riverbank BBL Station S1F	**MGS**	Maire FI Golddigger
Dam	Dicksons MG Marni-ET S2F	**MGD**	Dicksons HD Milly-ET S1F
gBW/Rel	386/62	**gBW/Rel**	369/68
PW/Rel	605/60	**PW/Rel**	604/89

Genomic Production gBVs

Production Efficiency

Milkfat	Protein	Milk Volume	Liveweight
48 kg	36 kg	630 l	16 kg
5.1 %	4.0 %		

Robustness

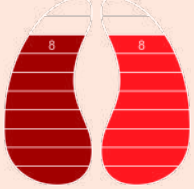
Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
0.7 %	-0.36	-0.16	0.5 %	0.88

Other

Heifer Calving Diff.	Cow Calving Diff.	Gestation Length
1.3%/29%	0.0%/34%	-8.0 days

Genomic TOP traits

	gBV	-.5	0	.5	1.0
Adapts to Milking	.40				
Shed Temperament	.40				
Milking Speed	.23				
Overall Opinion	.47				
Stature	.29				
Capacity	.17				
Rump Angle	.26				
Rump Width	.35				
Legs	.23				
Udder Support	.85				
Front Udder	1.11				
Rear Udder	.28				
Front Teat Placement	.68				
Rear Teat Placement	1.09				
Teat Length	-.71				
Udder Overall	.88				
Dairy Conformation	.22				



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Nitrogen Efficiency

Methane Efficiency

LIC Initiatives

VMSI	1406	A2 Protein	A2A2
High Input	1406	% Black	30

Fertility 4 Carrier

122011 Dicksons Gusto **Mr-Right**-ET S2F

Holstein-Friesian F16

Registered Pedigree (supplementary)

$386/57% gBW REL

Breeding Details

Breeder	M & J Dickson		
Sire	Lightburn Blade Gusto	**MGS**	Footehills BG Lincoln S1F
Dam	Dicksons FL Marlen-ET S1F	**MGD**	Dicksons Free Mari-ET S2F
gBW/Rel	354/63	**gBW/Rel**	306/68
PW/Rel	492/75	**PW/Rel**	419/89

Genomic Production gBVs

Production Efficiency

Milkfat	Protein	Milk Volume	Liveweight
44 kg	48 kg	786 l	56 kg
4.9 %	4.1 %		

Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
2.2 %	0.13	0.18	3.0 %	0.51

Other

Heifer Calving Diff.	Cow Calving Diff.	Gestation Length
4.7%/24%	0.2%/35%	-2.3 days

Genomic TOP traits

	gBV	-.5	0	.5	1.0
Adapts to Milking	.46				
Shed Temperament	.47				
Milking Speed	.28				
Overall Opinion	.49				
Stature	.51				
Capacity	.46				
Rump Angle	-.29				
Rump Width	.13				
Legs	-.01				
Udder Support	.53				
Front Udder	.65				
Rear Udder	.38				
Front Teat Placement	-.02				
Rear Teat Placement	-.01				
Teat Length	-.42				
Udder Overall	.51				
Dairy Conformation	.58				

HOOFPRINT®

Nitrogen Efficiency

Methane Efficiency

LIC Initiatives

VMSI	1372	A2 Protein	A1A2
High Input	1396	% Black	90

122054 Meander Scout **Attorney**-ET S2F

Holstein-Friesian F16

Registered Pedigree (supplementary)

$377/56% gBW REL

Breeding Details

Breeder	R & A Bruin		
Sire	Spring River OL Scout S2F	**MGS**	Tafts TT Official-ET S2F
Dam	Meander Official April-ET S2F	**MGD**	Meander FMI April S2F
gBW/Rel	338/67	**gBW/Rel**	346/92
PW/Rel	308/71	**PW/Rel**	825/91

Genomic Production gBVs

Production Efficiency

Milkfat	Protein	Milk Volume	Liveweight
48 kg	33 kg	697 l	68 kg
5.0 %	3.9 %		

Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
4.9 %	-0.22	0.23	6.2 %	1.03

Other

Heifer Calving Diff.	Cow Calving Diff.	Gestation Length
3.5%/29%	0.9%/35%	-4.1 days

Genomic TOP traits

	gBV	-.5	0	.5	1.0
Adapts to Milking	.31				
Shed Temperament	.28				
Milking Speed	.54				
Overall Opinion	.53				
Stature	.61				
Capacity	.19				
Rump Angle	-.61				
Rump Width	.06				
Legs	-.14				
Udder Support	1.05				
Front Udder	.87				
Rear Udder	.72				
Front Teat Placement	.42				
Rear Teat Placement	.59				
Teat Length	.25				
Udder Overall	1.03				
Dairy Conformation	.22				

HOOFPRINT®

Nitrogen Efficiency

Methane Efficiency

LIC Initiatives

VMSI	1379	A2 Protein	A1A2
High Input	1399	% Black	85

119034 Tafts RHD **Officer**-ET S2F

Holstein-Friesian F16
Registered Pedigree (supplementary)

$354/86% gBW REL

Individually $34.95 +gst

Classic Packs from $22.32* +gst

*Includes 10% InvestaMate discount

Premier Sire

Genomic Graduate

Available in 4M

Breeding Details

Breeder	G & L Taft	**Dam**	DRQ-16-24
Sire	River Heights Dude-ET S2F	**MGS**	San Ray FM Beamer-ET S2F

Production gBVs

109 Daughters 37 Herds

Production Efficiency

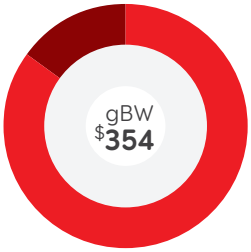
Milkfat	Protein	Milk Volume	Liveweight
59 kg	62 kg	1564 l	129 kg
4.5 %	3.8 %		

Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
-1.3 %	0.50	0.35	2.5 %	0.99

Other

Heifer Calving Difficulty	Cow Calving Difficulty	Gestation Length
0.2%/33%	1.7%/88%	-3.7 days



Production efficiency	$302	85%
Robustness	$52	15%

TOP traits

102 Daughters TOP Inspected

Management	gBV	-.5	0	.5	1.0
Adapts to Milking	.48				
Shed Temperament	.51				
Milking Speed	-.19				
Overall Opinion	.54				
Conformation	**gBV**	**-.5**	**0**	**.5**	**1.0**
Stature	1.36				
Capacity	.66				
Rump Angle	-.14				
Rump Width	.95				
Legs	-.10				
Udder Support	.81				
Front Udder	.90				
Rear Udder	.69				
Front Teat Placement	.46				
Rear Teat Placement	.13				
Teat Length	.07				
Udder Overall	.99				
Dairy Conformation	.77				

New Zealand Genetics 43 %

17/02/2023

LIC Initiatives

VMSI	1399	A2 Protein	A2A2
High Input	1442	% Black	95

Two-year-old dam. Owner: Seaspray Farm Ltd, Te Puke

Two-year-old daughter. Owner: Albert & Karen Pouwels, Hamilton

HOOFPRINT®

Nitrogen Efficiency

Methane Efficiency

Daughter Proven

119041 Royson MG **Currency** S3F

Premier Sire

Top 5 Udders

Available in 4M

Two-year-old daughter. Owner: C & S Michels, Te Aroha

Holstein-Friesian F16

Registered Pedigree (supplementary)

gBW $341/89% REL

Individually $36.95 +gst

Classic Packs from $22.32* +gst

*Includes 10% InvestaMate discount

Breeding Details

Breeder	E & K Lambert	**Dam**	Royson Hot Cybyl 1-ET S2F
Sire	Maire IG Gauntlet-ET	**MGS**	Mourne Grove Hothouse S2F

Production gBVs

168 Daughters 63 Herds

Production Efficiency

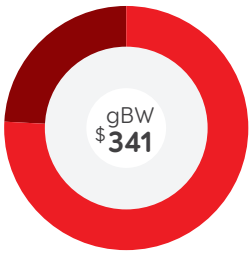
Milkfat	Protein	Milk Volume	Liveweight
44 kg	62 kg	1670 l	95 kg
4.2 %	3.8 %		

Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
1.9 %	-0.07	0.26	0.2 %	1.07

Other

Heifer Calving Difficulty	Cow Calving Difficulty	Gestation Length
1.9%/36%	0.8%/81%	-2.4 days



Production efficiency	$260	76%
Robustness	$81	24%

TOP traits

101 Daughters TOP Inspected

Management	gBV	-.5	0	.5	1.0
Adapts to Milking	.56				
Shed Temperament	.59				
Milking Speed	.03				
Overall Opinion	.58				
Conformation	**gBV**	**-.5**	**0**	**.5**	**1.0**
Stature	1.62				
Capacity	.45				
Rump Angle	-.29				
Rump Width	.91				
Legs	-.09				
Udder Support	.82				
Front Udder	.92				
Rear Udder	.81				
Front Teat Placement	.63				
Rear Teat Placement	.48				
Teat Length	-.63				
Udder Overall	1.07				
Dairy Conformation	.65				

HOOFPRINT®

Nitrogen Efficiency

Methane Efficiency

New Zealand Genetics 28 %

17/02/2023

LIC Initiatives

VMSI	1391	A2 Protein	A2A2
High Input	1428	% Black	85

119015 Buelin MG **Glacier**

Holstein-Friesian F16
Registered Pedigree

gBW $315/85% REL

Individually $33.95 +gst

Classic Packs from $22.32* +gst

*Includes 10% InvestaMate discount

Premier Sire

Top 5 Opinion

Breeding Details

Breeder	S Buhler	**Dam**	Lightburn F M I Gracie-ET
Sire	Maire IG Gauntlet-ET	**MGS**	Farside M Illustrious S3F

Production gBVs

94 Daughters 45 Herds

Production Efficiency

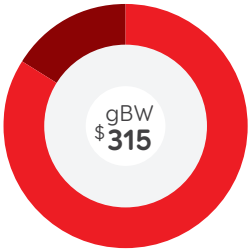
Milkfat	Protein	Milk Volume	Liveweight
44 kg	33 kg	639 l	52 kg
5.0 %	3.9 %		

Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
-1.1 %	-0.18	0.19	0.5 %	0.73

Other

Heifer Calving Difficulty	Cow Calving Difficulty	Gestation Length
3.9%/36%	1.6%/70%	0.7 days



Production efficiency	$263	84%
Robustness	$52	16%

Two-year-old daughter. Owner: Reeverly Farms Ltd, Hamilton

TOP traits

86 Daughters TOP Inspected

Management	gBV	-.5	0	.5	1.0
Adapts to Milking	.63				
Shed Temperament	.64				
Milking Speed	.34				
Overall Opinion	.77				
Conformation	**gBV**	**-.5**	**0**	**.5**	**1.0**
Stature	.54				
Capacity	.36				
Rump Angle	-.10				
Rump Width	.49				
Legs	.11				
Udder Support	.69				
Front Udder	.92				
Rear Udder	.53				
Front Teat Placement	.10				
Rear Teat Placement	.03				
Teat Length	-.88				
Udder Overall	.73				
Dairy Conformation	.36				

New Zealand Genetics 31%

17/02/2023

HOOFPRINT®

Nitrogen Efficiency

Methane Efficiency

LIC Initiatives

VMSI	1316	A2 Protein	A1A2
High Input	1328	% Black	70

Daughter Proven

117068 Meander SB **Arrow**-ET S2F

Genomic Graduate | Top 5 Opinion

Holstein-Friesian F15J1
Registered Pedigree (supplementary)

gBW $319/99% REL

Individually $33.95 +gst | Classic Packs from $22.32* +gst

*Includes 10% InvestaMate discount

Breeding Details

Breeder	R & A Bruin	**Dam**	Meander FMI April S2F
Sire	San Ray FM Beamer-ET	**MGS**	Farside M Illustrious S3F

Production gBVs

4793 Daughters 1024 Herds

Production Efficiency

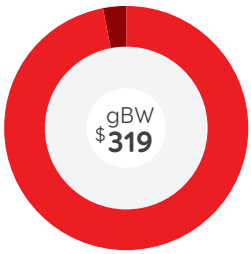
Milkfat	Protein	Milk Volume	Liveweight
41 kg	32 kg	366 l	26 kg
5.2 %	4.2 %		

Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
-2.4 %	0.50	0.03	3.1 %	0.81

Other

Heifer Calving Difficulty	Cow Calving Difficulty	Gestation Length
1.0%/93%	-0.2%/99%	-6.9 days

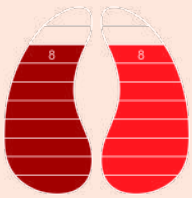


Production efficiency	$310	97%
Robustness	$9	3%

Seven-year-old dam. Owner: R & A Bruin, Otautau

Three-year-old daughter. Owner: Bellcon Farm Trust, Te Awamutu

HOOFPRINT®
Nitrogen Efficiency
Methane Efficiency



TOP traits

176 Daughters TOP Inspected

Management	gBV	-.5	0	.5	1.0
Adapts to Milking	.57				
Shed Temperament	.56				
Milking Speed	.49				
Overall Opinion	.73				
Conformation	**gBV**	**-.5**	**0**	**.5**	**1.0**
Stature	.38				
Capacity	.20				
Rump Angle	-.15				
Rump Width	.81				
Legs	-.11				
Udder Support	.76				
Front Udder	.67				
Rear Udder	.77				
Front Teat Placement	.16				
Rear Teat Placement	.22				
Teat Length	-.53				
Udder Overall	.81				
Dairy Conformation	.40				

New Zealand Genetics 32 %

17/02/2023

LIC Initiatives

VMSI	1327	A2 Protein	A1A2
High Input	1337	% Black	65

119014 Buelin BM **Equator** S2F

Holstein-Friesian F16

Registered Pedigree (supplementary)

gBW $405/88% REL

Individually $35.95 +gst

Classic Packs from $22.32* +gst

*Includes 10% InvestaMate discount

Premier Sire

Genomic Graduate

Available in 4M

Breeding Details

Breeder	S Buhler	**Dam**	Glen Koru FME Erica S3F
Sire	Bothwell WT Maxima S2F	**MGS**	Fairmont Mint-Edition

Production gBVs

135 Daughters 49 Herds

Production Efficiency

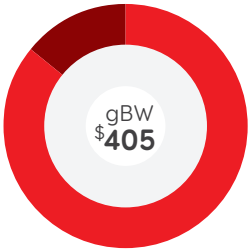
Milkfat	Protein	Milk Volume	Liveweight
65 kg	35 kg	933 l	60 kg
5.1 %	3.8 %		

Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
1.2 %	-0.16	0.09	3.9 %	0.39

Other

Heifer Calving Difficulty	Cow Calving Difficulty	Gestation Length
2.9%/70%	0.5%/96%	-7.8 days



Production efficiency	$349	86%
Robustness	$56	14%

Six-year-old dam. Owner: Cview Trust, Hawera

TOP traits

90 Daughters TOP Inspected

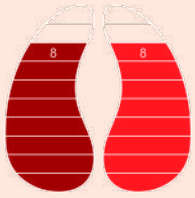
Management	gBV	-.5	0	.5	1.0
Adapts to Milking	.57				
Shed Temperament	.58				
Milking Speed	.30				
Overall Opinion	.64				
Conformation	**gBV**	**-.5**	**0**	**.5**	**1.0**
Stature	.70				
Capacity	.34				
Rump Angle	-.23				
Rump Width	.61				
Legs	-.25				
Udder Support	.54				
Front Udder	.09				
Rear Udder	.38				
Front Teat Placement	.03				
Rear Teat Placement	.27				
Teat Length	-.34				
Udder Overall	.39				
Dairy Conformation	.41				

New Zealand Genetics 36 %

17/02/2023

LIC Initiatives

VMSI	1384	A2 Protein	A1A2
High Input	1392	% Black	30



HOOFPRINT®

Nitrogen Efficiency

Methane Efficiency

Daughter Proven

118061 Hallville AS **Cola** S2F

Top 5 Fertility

Holstein-Friesian F16

Registered Pedigree (supplementary)

gBW $268/88% REL

Individually $32.95 +gst

Classic Packs from $22.32* +gst

*Includes 10% InvestaMate discount

Breeding Details

Breeder	G & J Hall	**Dam**	Hallville BSK Coca S1F
Sire	Aron-Amy MH Salute-ET S2F	**MGS**	Bagworth SH Kingston S1F

Production gBVs

89 Daughters 40 Herds

Production Efficiency

Milkfat	Protein	Milk Volume	Liveweight
23 kg	36 kg	846 l	37 kg
4.4 %	3.9 %		

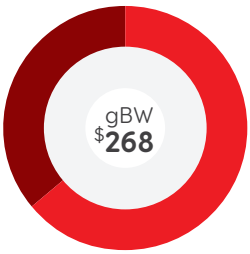
Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
5.9 %	0.06	0.19	2.7 %	0.77

Other

Heifer Calving Difficulty	Cow Calving Difficulty	Gestation Length
-0.7%/17%	-1.1%/66%	-6.9 days

Two-year-old daughter. Owner: Bellcon Farm Trust, Te Awamutu



Production efficiency	$171	64%
Robustness	$97	36%

Two-year-old daughter. Owner: LC & SA Kay Limited, Morrinsville

HOOFPRINT®

Nitrogen Efficiency

Methane Efficiency

TOP traits

82 Daughters TOP Inspected

Management	gBV	-.5	0	.5	1.0
Adapts to Milking	-.10				
Shed Temperament	-.11				
Milking Speed	-.01				
Overall Opinion	.05				
Conformation	**gBV**	**-.5**	**0**	**.5**	**1.0**
Stature	.30				
Capacity	.16				
Rump Angle	-.07				
Rump Width	.58				
Legs	.04				
Udder Support	.71				
Front Udder	.63				
Rear Udder	.40				
Front Teat Placement	.39				
Rear Teat Placement	.03				
Teat Length	-1.02				
Udder Overall	.77				
Dairy Conformation	.24				

New Zealand Genetics 41 %

17/02/2023

LIC Initiatives

VMSI	1267	A2 Protein	A2A2
High Input	1304	% Black	90

119002 Bellamy's DM **Galant**-ET S1F

Holstein-Friesian F16
Registered Pedigree (supplementary)

gBW $422/91% REL

Individually $36.95 +gst

Classic Packs from $22.32* +gst

*Includes 10% InvestaMate discount

Premier Sire

Top 5 SCC

Available in 4M

Breeding Details

Breeder	J & J Bellamy	**Dam**	DWNK-16-30
Sire	Dicksons BG Mandate S1F	**MGS**	San Ray FM Beamer-ET S2F

Production gBVs

225 Daughters 73 Herds

Production Efficiency

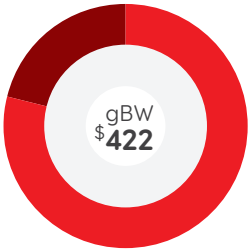
Milkfat	Protein	Milk Volume	Liveweight
51 kg	33 kg	267 l	57 kg
5.5 %	4.3 %		

Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
3.1 %	-0.66	0.13	2.4 %	0.39

Other

Heifer Calving Difficulty	Cow Calving Difficulty	Gestation Length
5.0%/88%	0.0%/93%	-2.1 days



Production efficiency	$333	79%
Robustness	$89	21%

Two-year-old daughter. Owner: CL & DF Hockly Trust, Hawera

Two-year-old daughter. Owner: D.A.K Farming Ltd, Stratford

TOP traits

126 Daughters TOP Inspected

Management	gBV	-.5	0	.5	1.0
Adapts to Milking	.13				
Shed Temperament	.13				
Milking Speed	.17				
Overall Opinion	.22				
Conformation	**gBV**	**-.5**	**0**	**.5**	**1.0**
Stature	.74				
Capacity	.76				
Rump Angle	.14				
Rump Width	.93				
Legs	.08				
Udder Support	.39				
Front Udder	.44				
Rear Udder	.35				
Front Teat Placement	.04				
Rear Teat Placement	.22				
Teat Length	-.29				
Udder Overall	.39				
Dairy Conformation	.84				

New Zealand Genetics 43 %

17/02/2023

HOOFPRINT®

Nitrogen Efficiency

Methane Efficiency

LIC Initiatives

VMSI	1376	A2 Protein	A2A2
High Input	1387	% Black	40

Daughter Proven

119077 Busy Brook **Cashpoint** S1F

Premier Sire

Top 5 Udders

Two-year-old daughter. Owner C H Land Ltd, Matamata

Holstein-Friesian F16

Registered Pedigree (supplementary)

gBW $314/86% REL

Individually $33.95 +gst

Classic Packs from $22.32* +gst

*Includes 10% InvestaMate discount

Breeding Details

Breeder	Busybrook	**Dam**	Busy Brook B Fizle-ET S2F
Sire	Dicksons BG Mandate S1F	**MGS**	San Ray FM Beamer-ET S2F

Production gBVs

97 Daughters 37 Herds

Production Efficiency

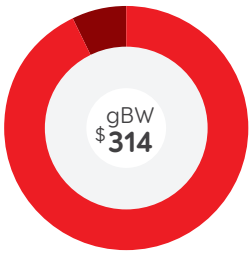
Milkfat	Protein	Milk Volume	Liveweight
45 kg	30 kg	732 l	20 kg
4.9 %	3.8 %		

Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
-2.5 %	-0.25	-0.13	2.8 %	1.05

Other

Heifer Calving Difficulty	Cow Calving Difficulty	Gestation Length
0.1%/37%	-0.7%/70%	-3.1 days



Production efficiency	$292	93%
Robustness	$22	7%

TOP traits

97 Daughters TOP Inspected

Management	gBV	-.5	0	.5	1.0
Adapts to Milking	.08				
Shed Temperament	.09				
Milking Speed	-.04				
Overall Opinion	.05				
Conformation	**gBV**	**-.5**	**0**	**.5**	**1.0**
Stature	.63				
Capacity	.39				
Rump Angle	.63				
Rump Width	.81				
Legs	.02				
Udder Support	1.01				
Front Udder	.87				
Rear Udder	.87				
Front Teat Placement	.62				
Rear Teat Placement	1.43				
Teat Length	-.46				
Udder Overall	1.05				
Dairy Conformation	.65				

New Zealand Genetics 39 %

17/02/2023

HOOFPRINT®

Nitrogen Efficiency

Methane Efficiency

LIC Initiatives

VMSI	1344	A2 Protein	A1A2
High Input	1352	% Black	20

119021 MAH MG **Speilberg**-ET S3F

Holstein-Friesian F16
Registered Pedigree (supplementary)

gBW $304/84% REL

Individually $32.95 +gst

Classic Packs from $22.32* +gst

*Includes 10% InvestaMate discount

Top 5 Protein

Top 5 Capacity

Breeding Details

Breeder	M & C Berkers	**Dam**	Mah SB Showdown-ET S2F
Sire	Maire IG Gauntlet-ET	**MGS**	San Ray FM Beamer-ET S2F

Production gBVs

87 Daughters 43 Herds

Production Efficiency

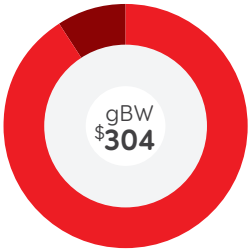
Milkfat	Protein	Milk Volume	Liveweight
49 kg	57 kg	1667 l	84 kg
4.3 %	3.7 %		

Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
-3.7 %	-0.14	0.13	-0.2 %	0.87

Other

Heifer Calving Difficulty	Cow Calving Difficulty	Gestation Length
4.3%/34%	2.0%/70%	-0.6 days



Production efficiency	$276	91%
Robustness	$28	9%

TOP traits

77 Daughters TOP Inspected

Management	gBV	-.5	0	.5	1.0
Adapts to Milking	.36				
Shed Temperament	.36				
Milking Speed	.22				
Overall Opinion	.45				
Conformation	**gBV**	**-.5**	**0**	**.5**	**1.0**
Stature	1.23				
Capacity	.95				
Rump Angle	-.40				
Rump Width	.41				
Legs	.09				
Udder Support	.84				
Front Udder	.98				
Rear Udder	.15				
Front Teat Placement	.70				
Rear Teat Placement	.62				
Teat Length	-.54				
Udder Overall	.87				
Dairy Conformation	.94				

New Zealand Genetics 29 %

17/02/2023

LIC Initiatives

VMSI	1379	A2 Protein	A1A2
High Input	1394	% Black	40

Two-year-old daughter. Owner: CL & DF Hockly Trust, Hawera

Two-year-old daughter. Owner: Albert & Karen Pouwels, Hamilton

HOOFPRINT®

Nitrogen Efficiency

Methane Efficiency

Daughter Proven

119049 Wittenham MG **Alpine** S2F

Genomic Graduate

Top 5 Capacity

Holstein-Friesian F15J1

Registered Pedigree (supplementary)

gBW $371/91% REL

Individually $33.95 +gst

Classic Packs from $22.32* +gst

*Includes 10% InvestaMate discount

Breeding Details

Breeder	S & A Baxter	**Dam**	Wittenham GI Alice
Sire	Maire IG Gauntlet-ET	**MGS**	Gydeland Excel Inca S3F

Production gBVs

218 Daughters 67 Herds

Production Efficiency

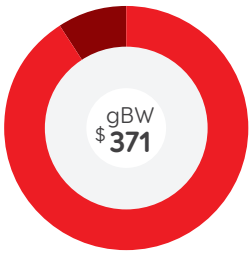
Milkfat	Protein	Milk Volume	Liveweight
53 kg	43 kg	822 l	63 kg
5.0 %	4.0 %		

Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
-3.3 %	0.29	0.35	2.1 %	0.46

Other

Heifer Calving Difficulty	Cow Calving Difficulty	Gestation Length
4.2%/53%	0.6%/92%	-0.7 days



Production efficiency	$337	91%
Robustness	$34	9%

Two-year-old daughter. Owner: SnipSnap Farming, Inglewood

Two-year-old daughter. Owner: Reeverly Farms Ltd, Hamilton

TOP traits

117 Daughters TOP Inspected

Management	gBV	-.5	0	.5	1.0
Adapts to Milking	.37				
Shed Temperament	.37				
Milking Speed	.26				
Overall Opinion	.50				
Conformation	**gBV**	**-.5**	**0**	**.5**	**1.0**
Stature	.46				
Capacity	.94				
Rump Angle	.07				
Rump Width	.71				
Legs	.15				
Udder Support	.38				
Front Udder	.75				
Rear Udder	.19				
Front Teat Placement	.18				
Rear Teat Placement	.11				
Teat Length	-.07				
Udder Overall	.46				
Dairy Conformation	.82				

HOOFPRINT®

Nitrogen Efficiency

Methane Efficiency

New Zealand Genetics 34 %

17/02/2023

LIC Initiatives

VMSI	1344	A2 Protein	A2A2
High Input	1367	% Black	30

119035 Tafts RHR **Ordain** S3F

Holstein-Friesian F16
Registered Pedigree (supplementary)

gBW $333/87% REL

Individually $34.95 +gst

Classic Packs from $22.32* +gst

*Includes 10% InvestaMate discount

Premier Sire | Genomic Graduate | Top 5 SCC

Breeding Details

Breeder	G & L Taft	**Dam**	DRQ-16-24
Sire	Riverheights GB Rouge S3F	**MGS**	San Ray FM Beamer-ET S2F

Production gBVs

120 Daughters 59 Herds

Production Efficiency

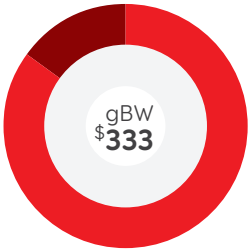
Milkfat	Protein	Milk Volume	Liveweight
52 kg	45 kg	1379 l	65 kg
4.5 %	3.7 %		

Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
-1.3 %	-0.49	0.08	2.4 %	0.34

Other

Heifer Calving Difficulty	Cow Calving Difficulty	Gestation Length
-0.4%/42%	-0.6%/90%	-8.4 days



Production efficiency	$284	85%
Robustness	$49	15%

Two-year-old dam. Owner: Seaspray Farm Ltd, Te Puke

TOP traits

103 Daughters TOP Inspected

Management	gBV	-.5	0	.5	1.0
Adapts to Milking	.19				
Shed Temperament	.21				
Milking Speed	-.16				
Overall Opinion	.30				
Conformation	**gBV**	**-.5**	**0**	**.5**	**1.0**
Stature	.64				
Capacity	.61				
Rump Angle	-.11				
Rump Width	.60				
Legs	-.04				
Udder Support	.45				
Front Udder	.57				
Rear Udder	-.10				
Front Teat Placement	.23				
Rear Teat Placement	.42				
Teat Length	-.47				
Udder Overall	.34				
Dairy Conformation	.44				

New Zealand Genetics 41 %

17/02/2023

HOOFPRINT®

Nitrogen Efficiency

Methane Efficiency

LIC Initiatives

VMSI	1343	A2 Protein	A2A2
High Input	1355	% Black	95

Daughter Proven

119096 Tronnoco MG **Speros**-ET

Two-year-old daughter. Owner: C & S Michels, Te Aroha

Holstein-Friesian F16

Registered Pedigree

gBW $327/86% REL

Individually $33.95 +gst

Classic Packs from $22.32* +gst

*Includes 10% InvestaMate discount

Breeding Details

Breeder	T & K O'Connor	**Dam**	Tronnoco I Stella-ET
Sire	Maire IG Gauntlet-ET	**MGS**	Gydeland Excel Inca S3F

Production gBVs

106 Daughters 49 Herds

Production Efficiency

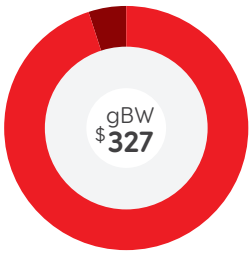
Milkfat	Protein	Milk Volume	Liveweight
55 kg	48 kg	1214 l	76 kg
4.7 %	3.8 %		

Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
-3.7 %	-0.02	0.07	1.2 %	0.89

Other

Heifer Calving Difficulty	Cow Calving Difficulty	Gestation Length
2.6%/35%	4.0%/74%	5.6 days



Production efficiency	$311	95%
Robustness	$16	5%

TOP traits

95 Daughters TOP Inspected

Management	gBV	-.5	0	.5	1.0
Adapts to Milking	.50				
Shed Temperament	.49				
Milking Speed	.47				
Overall Opinion	.69				
Conformation	**gBV**	**-.5**	**0**	**.5**	**1.0**
Stature	.66				
Capacity	.60				
Rump Angle	-.52				
Rump Width	.53				
Legs	-.07				
Udder Support	.79				
Front Udder	.85				
Rear Udder	.57				
Front Teat Placement	.43				
Rear Teat Placement	.36				
Teat Length	-.44				
Udder Overall	.89				
Dairy Conformation	.75				

New Zealand Genetics 28 %

17/02/2023

LIC Initiatives

VMSI	1380	A2 Protein	A2A2
High Input	1385	% Black	25

HOOFPRINT®

Nitrogen Efficiency

Methane Efficiency

115107 Lightburn Blade **Gusto**

Holstein-Friesian F16
Registered Pedigree

gBW $342/98% REL

Individually $33.95 +gst

Classic Packs from $22.32* +gst

*Includes 10% InvestaMate discount

Premier Sire

Breeding Details

Breeder	J & W Allen	**Dam**	Lightburn IN IG Greta-ET
Sire	Greenwell FI Blade S3F	**MGS**	Invernia TGF Ignition S3F

Production gBVs

2680 Daughters 784 Herds

Production Efficiency

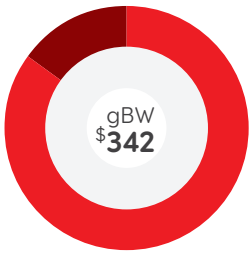
Milkfat	Protein	Milk Volume	Liveweight
44 kg	46 kg	751 l	76 kg
4.9 %	4.1 %		

Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
-1.5 %	0.32	0.36	2.2 %	0.84

Other

Heifer Calving Difficulty	Cow Calving Difficulty	Gestation Length
7.0%/63%	0.9%/97%	1.8 days



Production efficiency	$289	85%
Robustness	$53	15%

TOP traits

122 Daughters TOP Inspected

Management	gBV	-.5	0	.5	1.0
Adapts to Milking	.45				
Shed Temperament	.46				
Milking Speed	.17				
Overall Opinion	.49				
Conformation	**gBV**	**-.5**	**0**	**.5**	**1.0**
Stature	.14				
Capacity	.87				
Rump Angle	-.18				
Rump Width	.12				
Legs	-.02				
Udder Support	.66				
Front Udder	.94				
Rear Udder	.57				
Front Teat Placement	.34				
Rear Teat Placement	.06				
Teat Length	-.39				
Udder Overall	.84				
Dairy Conformation	.72				

New Zealand Genetics 37 %

17/02/2023

LIC Initiatives

VMSI	1343	A2 Protein	A1A2
High Input	1376	% Black	80

Three-year-old daughter. Owner: A J & R P Flay Family Trust, Te Awamutu

Three-year-old daughter. Owner: J & S Shewan, Hamilton

HOOFPRINT®

Nitrogen Efficiency

Methane Efficiency

Daughter Proven

119092 Jones MG **Rampage** S3F

Top 5 SCC

Top 5 Capacity

Two-year-old daughter. Owner: Apex Farming Limited, Te Awamutu

Holstein-Friesian F16

Registered Pedigree (supplementary)

gBW $289/83% REL

Individually $32.95 +gst

Classic Packs from $22.32* +gst

*Includes 10% InvestaMate discount

Breeding Details

Breeder	W & C Jones	**Dam**	DVVV-14-4
Sire	Maire IG Gauntlet-ET	**MGS**	Mitchells WT Typhoon S2F

Production gBVs

74 Daughters 36 Herds

Production Efficiency

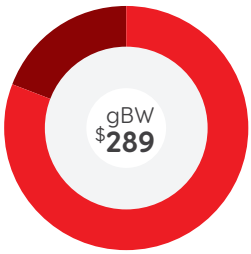
Milkfat	Protein	Milk Volume	Liveweight
47 kg	37 kg	997 l	76 kg
4.7 %	3.8 %		

Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
-2.9 %	-0.36	0.19	0.8 %	0.87

Other

Heifer Calving Difficulty	Cow Calving Difficulty	Gestation Length
4.0%/34%	0.7%/68%	-2.5 days



Production efficiency	$234	81%
Robustness	$55	19%

TOP traits

65 Daughters TOP Inspected

Management	gBV	-.5	0	.5	1.0
Adapts to Milking	.30				
Shed Temperament	.28				
Milking Speed	.38				
Overall Opinion	.57				
Conformation	**gBV**	**-.5**	**0**	**.5**	**1.0**
Stature	.85				
Capacity	1.14				
Rump Angle	.18				
Rump Width	.28				
Legs	.06				
Udder Support	.69				
Front Udder	.81				
Rear Udder	.62				
Front Teat Placement	.42				
Rear Teat Placement	.18				
Teat Length	-.95				
Udder Overall	.87				
Dairy Conformation	1.02				

New Zealand Genetics 38 %

17/02/2023

HOOFPRINT®

Nitrogen Efficiency

Methane Efficiency

LIC Initiatives

VMSI	1320	A2 Protein	A1A2
High Input	1335	% Black	80

119079 Busy Brook **Dealer**-ET S2F

Holstein-Friesian F15J1
Registered Pedigree (supplementary)

gBW $371/84% REL

Individually $34.95 +gst

Classic Packs from $22.32* +gst

*Includes 10% InvestaMate discount

Premier Sire

Breeding Details

Breeder	Busybrook	**Dam**	Busy Brook Illust May S1F
Sire	Bothwell WT Maxima S2F	**MGS**	Farside M Illustrious S3F

Production gBVs

87 Daughters 41 Herds

Production Efficiency

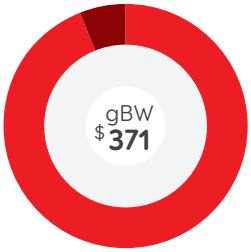
Milkfat	Protein	Milk Volume	Liveweight
53 kg	44 kg	1153 l	33 kg
4.7 %	3.8 %		

Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
0.3 %	0.19	-0.06	2.9 %	0.62

Other

Heifer Calving Difficulty	Cow Calving Difficulty	Gestation Length
2.2%/34%	1.3%/69%	-3.3 days



Production efficiency	$348	94%
Robustness	$23	6%

Two-year-old daughter. Owner: CL & DF Hockly Trust, Hawera

Two-year-old daughter. Owner: Tunaview Trust, Stratford

TOP traits

85 Daughters TOP Inspected

Management	gBV	-.5	0	.5	1.0
Adapts to Milking	.47				
Shed Temperament	.47				
Milking Speed	.15				
Overall Opinion	.66				
Conformation	**gBV**	**-.5**	**0**	**.5**	**1.0**
Stature	.57				
Capacity	.32				
Rump Angle	-.67				
Rump Width	.07				
Legs	-.11				
Udder Support	.66				
Front Udder	.85				
Rear Udder	.29				
Front Teat Placement	.12				
Rear Teat Placement	.11				
Teat Length	-.49				
Udder Overall	.62				
Dairy Conformation	.25				

New Zealand Genetics 45 %

17/02/2023

HOOFPRINT®

Nitrogen Efficiency

Methane Efficiency

LIC Initiatives

VMSI	1374	A2 Protein	A1A2
High Input	1393	% Black	90

119033 Lightburn **Free Range**-ET

Premier Sire | Genomic Graduate | Top 5 Capacity

Holstein-Friesian F16
Registered Pedigree

gBW $398/87% REL

Individually $35.95 +gst

Classic Packs from $22.32* +gst

*Includes 10% InvestaMate discount

Breeding Details

Breeder	J & W Allen	**Dam**	Lightburn WTP Rise-OC S3F
Sire	Hazael Dauntless Freedom	**MGS**	Wearnes FE Te Poi S3F

Production gBVs

136 Daughters 61 Herds

Production Efficiency

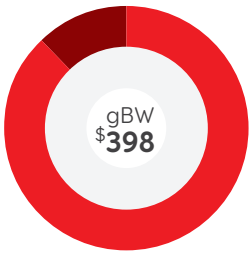
Milkfat	Protein	Milk Volume	Liveweight
61 kg	62 kg	1232 l	123 kg
4.8 %	4.1 %		

Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
-3.3 %	0.08	0.29	3.1 %	0.73

Other

Heifer Calving Difficulty	Cow Calving Difficulty	Gestation Length
0.8%/65%	-0.1%/88%	-2.9 days



Production efficiency	$350	88%
Robustness	$48	12%

Two-year-old daughter. Owner: Bellcon Farm Trust, Te Awamutu

Two-year-old daughter. Owner: Tunaview Trust, Stratford

TOP traits

113 Daughters TOP Inspected

Management	gBV	-.5	0	.5	1.0
Adapts to Milking	.57				
Shed Temperament	.58				
Milking Speed	.23				
Overall Opinion	.80				
Conformation	**gBV**	**-.5**	**0**	**.5**	**1.0**
Stature	1.29				
Capacity	1.33				
Rump Angle	.11				
Rump Width	.66				
Legs	.06				
Udder Support	.83				
Front Udder	.79				
Rear Udder	.52				
Front Teat Placement	.15				
Rear Teat Placement	.53				
Teat Length	-1.16				
Udder Overall	.73				
Dairy Conformation	1.16				

HOOFPRINT®

Nitrogen Efficiency

Methane Efficiency

New Zealand Genetics 24 %

17/02/2023

LIC Initiatives

VMSI	1444	A2 Protein	A2A2
High Input	1468	% Black	85

119025 Woodcote MG **Macho Man**-ET

Holstein-Friesian F16
Registered Pedigree

gBW $291/83% REL

Individually $32.95 +gst

Classic Packs from $22.32* +gst

*Includes 10% InvestaMate discount

Breeding Details

Breeder	Woodcote Farms	**Dam**	Woodcote Freedom Imel-ET
Sire	Maire IG Gauntlet-ET	**MGS**	Hazel Dauntless Freedom

Production gBVs

75 Daughters 41 Herds

Production Efficiency

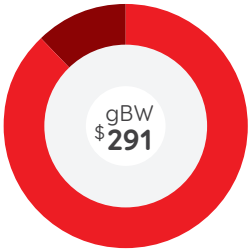
Milkfat	Protein	Milk Volume	Liveweight
37 kg	51 kg	1366 l	51 kg
4.3 %	3.8 %		

Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
4.4 %	0.52	0.04	-0.5 %	0.59

Other

Heifer Calving Difficulty	Cow Calving Difficulty	Gestation Length
3.7%/34%	1.6%/71%	-2.1 days



Production efficiency	$257	88%
Robustness	$34	12%

TOP traits

69 Daughters TOP Inspected

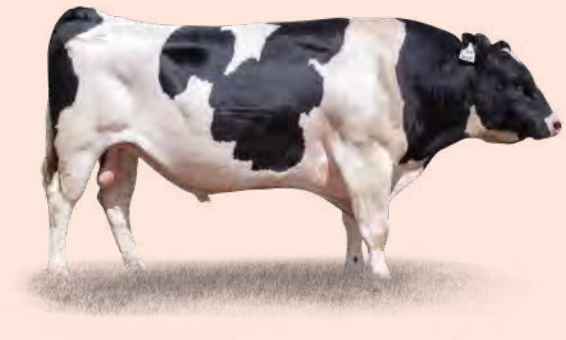
Management	gBV	-.5	0	.5	1.0
Adapts to Milking	.60				
Shed Temperament	.62				
Milking Speed	.17				
Overall Opinion	.64				
Conformation	**gBV**	**-.5**	**0**	**.5**	**1.0**
Stature	.70				
Capacity	.54				
Rump Angle	-.65				
Rump Width	.38				
Legs	-.10				
Udder Support	.60				
Front Udder	.66				
Rear Udder	.20				
Front Teat Placement	.37				
Rear Teat Placement	.50				
Teat Length	-.81				
Udder Overall	.59				
Dairy Conformation	.56				

New Zealand Genetics 25 %

17/02/2023

LIC Initiatives

VMSI	1327	A2 Protein	A2A2
High Input	1367	% Black	30



Two-year-old daughter. Owner: Johnson Partnership, Tirau

Two-year-old daughter. Owner: CL & DF Hockly Trust, Hawera

HOOFPRINT®

Nitrogen Efficiency

Methane Efficiency

Daughter Proven

118076 Meander TT **Feature**-ET S2F

Holstein-Friesian F16

Registered Pedigree (supplementary)

gBW $352/88% REL

- A1A2
- High production
- Outstanding udders

Two-year-old daughter. Owner: CL & DF Hockly Trust, Hawera

Breeding Details

Breeder	R & A Bruin	**Dam**	Meander Blade Frances-ETS2F
Sire	Tregaron Technician S2F	**MGS**	Greenwell FI Blade S3F

Production gBVs — 112 Daughters 39 Herds

Milkfat	Protein	Milk	Liveweight	Fertility
40 kg	44 kg	1041 l	32 kg	1.8 %
4.6 %	3.9 %			

Somatic Cell Count	Body Condition	Functional Survival	Cow Calving Difficulty	Gestation Length
-0.06	0.05	3.4 %	0.4%/69%	-1.8 days

TOP traits — 106 Daughters TOP Inspected

	gBV	-.5	0	.5	1.0
Overall Opinion	.08				
Capacity	.33				
Udder Overall	.99				
Dairy Conformation	.41				

118032 Paynes LR **Pacman**-ET S2F

Holstein-Friesian F16

Registered Pedigree (supplementary)

gBW $337/89% REL

- A1A2
- Good fertility
- Well liked by farmers

Two-year-old daughter. Owner: Henderson Family Trust, Otorohanga

Breeding Details

Breeder	B & C Payne	**Dam**	Paynes Pulse Paisley S1F
Sire	Lightburn IG Ranbo-ET S3F	**MGS**	Carsons Mecca Pulse S1F

Production gBVs — 100 Daughters 41 Herds

Milkfat	Protein	Milk	Liveweight	Fertility
35 kg	33 kg	356 l	46 kg	3.3 %
5.1 %	4.2 %			

Somatic Cell Count	Body Condition	Functional Survival	Cow Calving Difficulty	Gestation Length
-0.22	0.17	3.7 %	6.0%/70%	-2.3 days

TOP traits — 91 Daughters TOP Inspected

	gBV	-.5	0	.5	1.0
Overall Opinion	.56				
Capacity	.30				
Udder Overall	.43				
Dairy Conformation	.40				

115021 Gordons AM **Lancelot** S3F

Holstein-Friesian F16

Registered Pedigree (supplementary)

gBW $309/99% REL

- A1A1
- Capacious daughters
- Good protein

Two-year-old daughter. Owner: Lightburn Ltd, Palmerston North

Breeding Details

Breeder	S & S Gordon	**Dam**	BCCY-08-37
Sire	Aljo TEF Maelstrom-ET S3F	**MGS**	MacFarlanes Dauntless

Production gBVs — 14716 Daughters 2319 Herds

Milkfat	Protein	Milk	Liveweight	Fertility
35 kg	38 kg	635 l	29 kg	-2.6 %
4.8 %	4.1 %			

Somatic Cell Count	Body Condition	Functional Survival	Cow Calving Difficulty	Gestation Length
0.04	0.16	3.7 %	0.9%/99%	-2.0 days

TOP traits — 261 Daughters TOP Inspected

	gBV	-.5	0	.5	1.0
Overall Opinion	.20				
Capacity	.63				
Udder Overall	.39				
Dairy Conformation	.66				

117090 Tronnoco MH **Samba**-ET S3F

Holstein-Friesian F16

Registered Pedigree (supplementary)

gBW $285/90% REL

- A2A2
- Well liked by farmers
- Outstanding udders

Two-year-old daughter. Owner: Bellcon Farm Trust, Te Awamutu

Breeding Details

Breeder	T & K O'Connor	**Dam**	Tronnoco Maxi Sancha
Sire	Mourne Grove Hothouse S2F	**MGS**	Woodcote TF Maximiser

Production gBVs — 96 Daughters 48 Herds

Milkfat	Protein	Milk	Liveweight	Fertility
34 kg	45 kg	1023 l	32 kg	-1.7 %
4.5 %	3.9 %			

Somatic Cell Count	Body Condition	Functional Survival	Cow Calving Difficulty	Gestation Length
0.27	0.01	2.3 %	1.3%/90%	-1.8 days

TOP traits — 87 Daughters TOP Inspected

	gBV	-.5	0	.5	1.0
Overall Opinion	.48				
Capacity	.14				
Udder Overall	.94				
Dairy Conformation	.40				

Individually $23.15 +gst

17/02/2023

Economy Packs from $16.02* +gst

*Includes 10% InvestaMate discount

17/02/2023

116118 Lightburn B **Malbec**-ET S3F

Holstein-Friesian F15J1

Registered Pedigree (supplementary)

gBW $299/91% REL

- A1A2
- Capacious daughters
- Phenomenal udders

Two-year-old daughter. Owner: Te Papanui Farms Ltd, Gore

Breeding Details

Breeder	J & W Allen	**Dam**	Lightburn Maxette-ET
Sire	San Ray FM Beamer-ET S2F	**MGS**	Woodcote TF Maximiser

Production gBVs

100 Daughters 43 Herds

Milkfat	Protein	Milk	Liveweight	Fertility
33 kg	34 kg	482 l	66 kg	0.9 %
4.9 %	4.1 %			

Somatic Cell Count	Body Condition	Functional Survival	Cow Calving Difficulty	Gestation Length
-0.26	0.28	3.0 %	5.1%/91%	-0.4 days

TOP traits

92 Daughters TOP Inspected

	gBV	-.5	0	.5	1.0
Overall Opinion	.38				
Capacity	.75				
Udder Overall	1.19				
Dairy Conformation	.84				

118042 Dicksons MH **Mason**-ET S2F

Holstein-Friesian F16

Registered Pedigree (supplementary)

gBW $295/98% REL

- A2A2
- High production
- Well liked by farmers

Two-year-old daughter. Owner: LC & SA Kay Limited, Morrinsville

Breeding Details

Breeder	M & J Dickson	**Dam**	Dicksons CP Margy S1F
Sire	Mourne Grove Hothouse S2F	**MGS**	Carsons Mecca Pulse S1F

Production gBVs

2330 Daughters 731 Herds

Milkfat	Protein	Milk	Liveweight	Fertility
40 kg	42 kg	1122 l	44 kg	-0.9 %
4.5 %	3.8 %			

Somatic Cell Count	Body Condition	Functional Survival	Cow Calving Difficulty	Gestation Length
0.06	0.13	2.9 %	-0.7%/95%	-1.0 days

TOP traits

110 Daughters TOP Inspected

	gBV	-.5	0	.5	1.0
Overall Opinion	.46				
Capacity	.05				
Udder Overall	.50				
Dairy Conformation	.21				

116108 Busy Brook MGH **Mordor** S2F

Holstein-Friesian F16

Registered Pedigree (supplementary)

gBW $272/97% REL

- A2A2
- Good fertility
- Great udders

Four-year-old maternal grandam. Owner: Hazael Farms Ltd, Edendale

Breeding Details

Breeder	Busybrook	**Dam**	Busy Brook VHA M-ET S3F
Sire	Mourne Grove Hothouse S2F	**MGS**	Valden HI Applause-ET S2F

Production gBVs

949 Daughters 284 Herds

Milkfat	Protein	Milk	Liveweight	Fertility
25 kg	33 kg	892 l	31 kg	3.3 %
4.4 %	3.8 %			

Somatic Cell Count	Body Condition	Functional Survival	Cow Calving Difficulty	Gestation Length
-0.04	0.35	5.0 %	0.6%/84%	-0.3 days

TOP traits

104 Daughters TOP Inspected

	gBV	-.5	0	.5	1.0
Overall Opinion	.38				
Capacity	.10				
Udder Overall	.54				
Dairy Conformation	.16				

113120 Bothwell WT **Maxima** S2F

Holstein-Friesian F15J1

Registered Pedigree (supplementary)

gBW $267/99% REL

- A1A2
- Good milkfat
- Fantastic udders

Two-year-old daughter. Owner: J S R Dairy, Mangakino

Breeding Details

Breeder	Goodwright Family	**Dam**	KLW-08-26
Sire	Waiau Max Tommo S3F	**MGS**	SRD Whinlea KL Eclipse-ET

Production gBVs

19893 Daughters 3606 Herds

Milkfat	Protein	Milk	Liveweight	Fertility
35 kg	25 kg	599 l	18 kg	-2.3 %
4.9 %	3.8 %			

Somatic Cell Count	Body Condition	Functional Survival	Cow Calving Difficulty	Gestation Length
-0.17	0.02	3.5 %	0.9%/97%	-1.6 days

TOP traits

402 Daughters TOP Inspected

	gBV	-.5	0	.5	1.0
Overall Opinion	.45				
Capacity	.20				
Udder Overall	.83				
Dairy Conformation	.28				

Individually $23.15 +gst

17/02/2023

Economy Packs from $16.02* +gst

*Includes 10% InvestaMate discount

17/02/2023

Holstein-Friesian Also Available

17/02/2023

		gBW	Rel.	Milkfat gBV	Protein gBV	Milk gBV	Liveweight gBV	Fertility gBV	SCC gBV	Functional Survival gBV	Overall Opinion gBV	Capacity gBV	Udder Overall gBV	Cow Calving Difficulty BV	Cow Calving Difficulty Rel.	Gestation Length BV	A2 Protein	Price (+GST)
118001	Waimata SB **Ransom**-ET S2F	410	98	57	62	1555	63	-5.0	-0.50	4.0	0.58	0.46	0.11	0.0	97	-8.0	A2A2	$24.95
119004	Ionic GB **Cluedo** S1F	371	87	37	40	671	55	5.6	-0.45	5.0	0.23	0.35	0.64	3.9	83	-2.6	A1A2	$24.95
117057	Maire GL **Graduate**-ET^	366	97	46	43	686	35	-1.9	0.16	3.4	0.02	0.01	0.78	1.4	90	-0.3	A1A1	$21.95
117038	Tanglewood GL **Hardy**	353	89	44	41	454	15	-3.1	0.15	1.3	0.30	0.30	0.09	0.8	95	-4.7	A1A2	$21.95
118103	Woodcote BG **Victory** S1F	345	89	62	50	905	85	-3.9	0.75	2.1	0.39	0.14	0.22	0.4	89	-7.9	A2A2	$21.95
119018	Pemberton MA **Potion** S2F	340	85	46	52	1220	74	1.9	-0.12	3.0	0.13	0.06	0.22	0.8	91	-0.5	A1A2	$21.95
115080	Westedge VHR **Sweet As** S2F	324	99	50	39	734	43	-3.9	0.16	3.0	0.33	0.13	0.26	1.0	99	-6.0	A2A2	$20.95
116019	Werders DE **Overtime** S1F	313	98	42	29	268	-1	-4.1	0.74	3.0	0.46	0.11	0.58	1.4	98	-7.7	A2A2	$20.95
115077	Tafts WM **Tranquil**-ET	311	95	53	40	772	80	-2.4	0.24	3.1	0.73	1.03	0.03	2.6	92	-4.6	A2A2	$20.95
111037	San Ray FM **Beamer**-ET S2F	306	99	45	43	883	43	-3.7	0.43	1.7	0.25	0.76	0.55	0.3	99	-4.1	A1A2	$20.95
117067	Meander KJ **Rhapsody** S2F	299	90	44	34	989	56	3.1	-0.29	2.3	0.28	0.29	0.23	0.4	70	-3.9	A1A2	$18.95
114032	Woodcote FI **Mastermind**	298	99	53	33	685	58	-5.5	0.14	2.4	0.48	0.31	0.35	2.3	95	-3.7	A1A2	$18.95
114049	Scotts FI **Dusky** S3F^	296	93	39	23	97	53	1.7	0.04	3.5	0.58	0.36	0.47	2.6	72	-5.4	A1A2	$18.95
115062	Paalvasts MT **Cyclone** S2F^	296	98	48	29	785	43	-0.4	-0.04	2.1	0.45	0.20	0.43	0.1	88	-2.9	A1A1	$18.95
113043	Adams BR **Ultimate** S3F^	286	99	42	26	574	28	0.1	0.14	2.9	0.55	0.24	0.35	0.4	85	0.4	A1A2	$18.95
117044	Telesis GI **Esquire** S2F	281	98	25	36	838	22	2.8	0.03	3.6	0.35	0.39	0.49	-0.5	73	-3.4	A2A2	$18.95
111036	Arkan FM **Buster**-ET S2F	277	99	38	23	385	22	1.0	0.29	1.8	0.31	0.50	0.36	0.4	99	-2.2	A1A2	$16.95
115046	Tralee GB **Resonate**-ET S3F	269	98	30	21	199	40	0.5	-0.19	4.5	0.33	0.48	0.45	0.0	96	-3.5	A1A2	$16.95
115023	Tanglewood MT **Kauri** S2F^#	268	95	32	21	250	51	5.9	-0.18	3.0	0.40	0.17	0.25	1.3	75	-0.5	A1A2	$16.95
114089	Mossops GB **Playmaker**	266	99	50	33	520	65	-3.5	0.68	-0.2	0.07	0.59	0.38	2.0	84	-1.4	A2A2	$16.95
113070	Greenwell FI **Blade** S3F^	265	99	32	35	623	53	-2.5	0.13	2.7	0.37	0.50	0.83	1.8	94	-4.0	A1A2	$16.95
116001	Footehills BG **Lincoln** S1F^	257	97	43	21	351	23	-0.4	0.56	1.8	-0.03	0.29	0.39	-0.2	81	-0.9	A1A2	$16.95
110049	Savannahs HF **Hammer** S1F	250	99	26	28	688	21	1.0	-0.31	3.7	0.33	0.18	0.53	-0.2	98	-2.8	A2A2	$14.95
116122	Spring Tralee **Bass**-ET S2F	248	98	26	35	868	19	-0.9	-0.10	3.1	0.38	0.53	0.22	0.0	95	-3.7	A1A2	$14.95
118071	Glenmead SB **Trapeze** S1F	245	97	22	18	98	11	-0.5	-0.09	5.0	0.39	0.51	0.62	0.2	94	-5.8	A2A2	$14.95
111067	Byreburn PF **Eternal** S2F↑	245	99	30	26	689	34	-1.3	-0.32	4.8	0.09	0.29	0.21	0.3	95	-0.2	A2A2	$14.95
117019	McKenzie GF **Comet** S3F	244	89	36	47	1074	95	-2.1	-0.21	-0.1	0.63	1.13	0.76	1.0	67	-4.6	A2A2	$14.95
118023	Tronnoco Inca **Shakir** S3F	243	98	41	24	331	44	-1.4	0.67	3.4	0.37	0.23	0.37	0.7	86	-1.5	A2A2	$14.95
118014	Deans MH **Atlantis** S2F	243	98	37	49	1547	64	0.0	-0.08	2.8	0.49	0.16	0.12	1.1	82	-3.8	A2A2	$14.95
113042	Charltons FI **Finalcut** S2F^	243	99	37	16	185	74	2.7	-0.05	3.9	0.27	0.18	0.79	0.7	88	-3.4	A1A2	$14.95
118078	Meander AB **Raptor** S2F	242	95	33	21	223	67	1.2	-0.07	4.5	0.55	0.35	0.83	0.0	73	-4.4	A2A2	$14.95
114007	Busy Brook WTP **Vector** S3F^	239	99	39	38	958	117	0.2	-0.18	2.9	0.72	0.97	0.55	0.1	99	-2.1	A1A1	$14.95
114023	Arkan RAN **Bandito** S3F^	237	99	28	29	512	40	-2.5	-0.17	1.2	0.48	0.69	0.38	1.0	80	-3.4	A1A2	$12.95
118068	Bagworth GI **Original** S3F^	233	97	38	31	483	89	1.0	0.22	4.5	0.31	0.21	0.31	1.0	94	-3.5	A1A2	$12.95
116065	Dicksons BG **Mandate** S1F	232	99	23	18	127	4	-0.3	-0.32	1.6	0.15	0.29	0.64	-1.1	94	-2.2	A2A2	$12.95
114081	Tirohanga WTP **Flash** S3F	229	99	36	40	848	51	0.8	0.50	1.8	0.44	0.25	0.22	0.1	84	-0.2	A1A1	$12.95
118056	Lightburn MG **Relic** S2F	226	96	21	35	391	73	-1.0	-0.18	3.0	0.11	0.79	0.19	-0.4	78	-5.5	A2A2	$12.95
113046	Meander **Rocketman**-ET S1F	225	99	28	21	202	26	-2.2	-0.09	1.7	0.16	0.30	0.52	-0.1	83	-0.5	A1A2	$10.95
113117	Greenwell SH **Bomber** S1F	224	99	18	27	510	24	3.7	-0.26	4.1	0.09	0.07	0.91	1.6	89	0.4	A1A2	$10.95
115068	Hodges GFB **Cutlass** S3F^#	218	96	30	19	72	57	1.2	0.23	0.9	0.22	0.14	0.89	1.4	82	1.3	A1A2	$10.95
115017	Langevelds SRB **Valour** S2F^	217	98	38	34	891	82	-0.6	0.13	3.2	0.08	0.49	0.46	0.5	86	-1.2	A1A1	$10.95
116036	Arkan MGH **Backdrop**-ET S2F	216	99	23	25	188	79	0.7	0.03	5.3	0.54	0.30	0.26	0.0	97	-6.7	A1A2	$9.95
117033	Mckenzie SB **Mightymac** S2F#	215	89	21	36	799	21	-2.9	-0.17	1.4	0.30	0.64	0.19	-1.1	77	-0.9	A1A2	$9.95
110063	Maire PF **Golden Boy** S2F↑	210	99	28	24	763	22	-3.9	-0.32	2.9	0.42	0.59	0.46	-0.5	94	-2.7	A1A2	$9.95
118051	Greenwell DM **Alcatraz** S1F	200	98	12	16	20	-7	2.2	-0.22	1.4	0.35	0.43	0.61	-0.3	91	-4.7	A1A2	$9.95

Red Factor carrier ↑ SCS carrier ^ Recessive Fertility Gene carrier

2023

Jersey

For updated bull information after each AE run, scan the QR code

Top 5 Combined Rankings

Breeding Worth

National herd breed average
$ 211

Code	Name	gBW/Rel
322001	Paynes Titus **Excelsior**-ET	519/49
322022	Jones BB **Phantom**	500/47
318001	Okura Pepper **Lucca**	495/89
322002	Paynes RB **Generation**-ET	491/45
321008	Glanton Flynn **Brisbane**	471/55

Protein

National herd breed average
3 kg

Code	Name	gBV
319066	Tironui GB **Montage**-ET	27
322036	Glanton KFP **Bremen**-ET	26
321018	Bells PC **Fellow**	23
322022	Jones BB **Phantom**	22
319030	Grantz BC **Hendrix** ET S3J	22

Milkfat

National herd breed average
14 kg

Code	Name	gBV
318001	Okura Pepper **Lucca**	57
318032	Shelby Integ **Labyrinth** ET	52
318009	Tironui **Superman** ET	50
322002	Paynes RB **Generation**-ET	49
319037	Okura Tironui BT **Marco** ET	48

Milk Volume

National herd breed average
-302 litres

Code	Name	gBV
319066	Tironui GB **Montage**-ET	107
319030	Grantz BC **Hendrix** ET S3J	16
315009	Riverview AND **Dexter** S2J	-23
318001	Okura Pepper **Lucca**	-28
321018	Bells PC **Fellow**	-89

Fertility

National herd breed average
0.5 %

Code	Name	gBV
322024	Monks Hoss **Tank**	7.1
322022	Jones BB **Phantom**	7.0
319030	Grantz BC **Hendrix** ET S3J	6.9
322001	Paynes Titus **Excelsior**-ET	6.8
320020	Thornwood Banff **Titus**	6.4

Functional Survival

National herd breed average
0.8 %

Code	Name	gBV
322002	Paynes RB **Generation**-ET	4.3
321008	Glanton Flynn **Brisbane**	4.3
322022	Jones BB **Phantom**	4.2
322034	Scottsdale KP **Calvary**-ET	3.6
315009	Riverview AND **Dexter** S2J	3.4

Capacity

National herd breed average
0.23

Code	Name	gBV
322022	Jones BB **Phantom**	1.23
322034	Scottsdale KP **Calvary**-ET	1.00
319035	Careys CM **Lexicon** S2J	0.98
322014	Hawthorn Grove GL **Odysseus**	0.96
319066	Tironui GB **Montage**-ET	0.93

Udder Overall

National herd breed average
0.26

Code	Name	gBV
322205	Lynbrook Trigg **Bravado**	0.99
322200	Lynbrook Popeye **Tailormade**	0.75
319035	Careys CM **Lexicon** S2J	0.73
322002	Paynes RB **Generation**-ET	0.72
322034	Scottsdale KP **Calvary**-ET	0.72

Stature

National herd breed average
-0.81

Code	Name	gBV
319030	Grantz BC **Hendrix** ET S3J	-0.18
322034	Scottsdale KP **Calvary**-ET	-0.24
322002	Paynes RB **Generation**-ET	-0.31
316039	Ulmarra TT **Gallivant**	-0.33
319066	Tironui GB **Montage**-ET	-0.43

Liveweight

National herd breed average
-42 kg

Code	Name	gBV
322034	Scottsdale KP **Calvary**-ET	12
319030	Grantz BC **Hendrix** ET S3J	4
322022	Jones BB **Phantom**	-3
316039	Ulmarra TT **Gallivant**	-5
319037	Okura Tironui BT **Marco** ET	-5

Genomically Selected

Want the very latest genetics?

Individually	$33.55
Genomic Packs from	$27.45*

*Includes 10% InvestaMate discount

2023 Yearling Bulls

This season the Alpha® yearling bulls won't be selected until September.

Due to their age, the earliest these bulls can be collected from is mid-winter and this has caused some supply issues in the past. LIC has therefore decided to wait until straws have been collected before announcing the 2023 yearling sires.

Yearling bulls will be exclusively available for purchase via Alpha. So, if you're looking to fast track your genetic gain and/or want access to the yearling bulls our Bull Acquisition team are using, make sure you register your interest with your LIC Agri Manager. Alternatively view the bulls online in September lic.co.nz/alpha

322002 Paynes RB **Generation**-ET

Jersey J16

Registered Pedigree

gBW $491/45% REL

Breeding Details

Breeder	B & C Payne		
Sire	Rockland LQ Berkly	**MGS**	Camp BC Trojan S3J
Dam	Paynes 19-132 ET	**MGD**	Paynes 16-11
gBW/Rel	415/64	**gBW/Rel**	285/73
PW/Rel	566/76	**PW/Rel**	129/94

Genomic Production gBVs

Production Efficiency

Milkfat	Protein	Milk Volume	Liveweight
49 kg	18 kg	-431 l	-24 kg
6.4 %	4.6 %		

Robustness

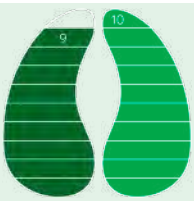
Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
5.1 %	0.10	0.01	4.3 %	0.72

Other

Heifer Calving Diff.	Cow Calving Diff.	Gestation Length
-1.7%/29%	-1.1%/32%	-0.3 days

Genomic TOP traits

	gBV	-.5	0	.5	1.0
Adapts to Milking	.46				
Shed Temperament	.44				
Milking Speed	.56				
Overall Opinion	.57				
Stature	-.31				
Capacity	.19				
Rump Angle	-.27				
Rump Width	-.21				
Legs	.03				
Udder Support	.58				
Front Udder	.69				
Rear Udder	.89				
Front Teat Placement	-.10				
Rear Teat Placement	-.31				
Teat Length	-.04				
Udder Overall	.72				
Dairy Conformation	.27				



HOOFPRINT®

Nitrogen Efficiency

Methane Efficiency

LIC Initiatives

VMSI	1388	A2 Protein	A2A2
High Input	1407		

322034 Scottsdale KP **Calvary**-ET

Jersey J16

Registered Pedigree

$404/46% gBW REL

Breeding Details

Breeder	M & P Scott		
Sire	Kaimatarau Flint Popeye	**MGS**	Bells OI Floyd S3J
Dam	Scottsdale BF Christobell-ET	**MGD**	Riverina Ellicit Ched
gBW/Rel	372/62	**gBW/Rel**	349/70
PW/Rel	234/63	**PW/Rel**	702/91

Genomic Production gBVs

Production Efficiency

Milkfat	Protein	Milk Volume	Liveweight
38 kg	16 kg	-261 l	12 kg
5.9 %	4.4 %		

Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
5.8 %	-0.12	0.32	3.6 %	0.72

Other

Heifer Calving Diff.	Cow Calving Diff.	Gestation Length
-2.1%/33%	-1.1%/35%	0.1 days

Genomic TOP traits

	gBV	-.5	0	.5	1.0
Adapts to Milking	.61				
Shed Temperament	.62				
Milking Speed	.18				
Overall Opinion	.71				
Stature	-.24				
Capacity	1.00				
Rump Angle	.05				
Rump Width	.43				
Legs	.11				
Udder Support	.64				
Front Udder	.47				
Rear Udder	.93				
Front Teat Placement	.13				
Rear Teat Placement	.53				
Teat Length	.05				
Udder Overall	.72				
Dairy Conformation	.90				

HOOFPRINT®

Nitrogen Efficiency

Methane Efficiency

LIC Initiatives

VMSI	1311	A2 Protein	A2A2
High Input	1352		

322012 Cawdor **Sambuca**

Jersey J16

Registered Pedigree

$432/54% gBW REL

Breeding Details

Breeder	F & C MacBeth		
Sire	Arkan BT Zambezi S3J	**MGS**	Crescent Excell Misty ET
Dam	Cawdor CEM Sundai ET	**MGD**	Cawdor OI Sunday
gBW/Rel	438/65	**gBW/Rel**	360/72
PW/Rel	575/63	**PW/Rel**	443/94

Genomic Production gBVs

Production Efficiency

Milkfat	Protein	Milk Volume	Liveweight
39 kg	13 kg	-471 l	-31 kg
6.2 %	4.5 %		

Robustness

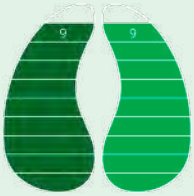
Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
3.2 %	-0.26	0.15	0.8 %	0.53

Other

Heifer Calving Diff.	Cow Calving Diff.	Gestation Length
-1.6%/33%	-1.6%/31%	-2.1 days

Genomic TOP traits

	gBV	-.5	0	.5	1.0
Adapts to Milking	.12				
Shed Temperament	.12				
Milking Speed	.11				
Overall Opinion	.30				
Stature	-.93				
Capacity	.85				
Rump Angle	.15				
Rump Width	.19				
Legs	.32				
Udder Support	.22				
Front Udder	.63				
Rear Udder	.52				
Front Teat Placement	.22				
Rear Teat Placement	-.19				
Teat Length	.50				
Udder Overall	.53				
Dairy Conformation	.62				



HOOFPRINT®

Nitrogen Efficiency

Methane Efficiency

LIC Initiatives

VMSI	1306	A2 Protein	A2A2
High Input	1334		

320020 Thornwood Banff **Titus**

Jersey J16
Registered Jersey

$433/58% gBW REL

Four-year-old dam. Owner: S Good & M Adam, Otorohanga

Breeding Details

Breeder	S Good & M Adam		
Sire	Glanton Desi Banff	**MGS**	Puhipuhi Caps Goldie S3J
Dam	Thornwood Goldies Trix	**MGD**	Thornwood Degree Trix ET
gBW/Rel	386/69	**gBW/Rel**	345/77
PW/Rel	611/92	**PW/Rel**	392/92

Genomic Production gBVs

Production Efficiency

Milkfat	Protein	Milk Volume	Liveweight
30 kg	12 kg	-529 l	-33 kg
6.1 %	4.6 %		

Robustness

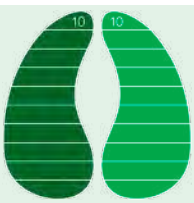
Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
6.4 %	-0.46	0.19	2.8 %	0.69

Other

Heifer Calving Diff.	Cow Calving Diff.	Gestation Length
-0.6%/87%	-0.9%/91%	-4.1 days

Genomic TOP traits

	gBV	-.5	0	.5	1.0
Adapts to Milking	.48				
Shed Temperament	.50				
Milking Speed	.05				
Overall Opinion	.45				
Stature	-.56				
Capacity	.56				
Rump Angle	-.21				
Rump Width	.30				
Legs	-.01				
Udder Support	.44				
Front Udder	.50				
Rear Udder	.94				
Front Teat Placement	.09				
Rear Teat Placement	-.13				
Teat Length	-.06				
Udder Overall	.69				
Dairy Conformation	.65				



HOOFPRINT®
Nitrogen Efficiency
Methane Efficiency

LIC Initiatives

VMSI	1304	A2 Protein	A2A2
High Input	1340		

321018 Bells PC **Fellow**

Jersey J16
Registered Pedigree

$465/55% gBW REL

Breeding Details

Breeder	G & G Bell		
Sire	Puketawa King Carrick JG	**MGS**	Braedene PAS Triplestar
Dam	Bells Felicity	**MGD**	Milldale LT Zyona S3J
gBW/Rel	439/62	**gBW/Rel**	440/72
PW/Rel	654/54	**PW/Rel**	567/92

Genomic Production gBVs

Production Efficiency

Milkfat	Protein	Milk Volume	Liveweight
45 kg	23 kg	-89 l	-36 kg
5.8 %	4.4 %		

Robustness

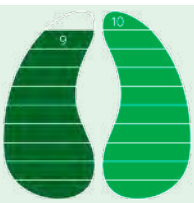
Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
-0.3 %	-0.47	0.06	1.5 %	0.54

Other

Heifer Calving Diff.	Cow Calving Diff.	Gestation Length
-2.5%/62%	-1.3%/78%	-4.8 days

Genomic TOP traits

	gBV	-.5	0	.5	1.0
Adapts to Milking	.28				
Shed Temperament	.28				
Milking Speed	.19				
Overall Opinion	.37				
Stature	-.59				
Capacity	.47				
Rump Angle	.22				
Rump Width	.09				
Legs	.07				
Udder Support	.49				
Front Udder	.28				
Rear Udder	.68				
Front Teat Placement	.05				
Rear Teat Placement	.08				
Teat Length	.32				
Udder Overall	.54				
Dairy Conformation	.50				



HOOFPRINT®
Nitrogen Efficiency
Methane Efficiency

LIC Initiatives

VMSI	1371	A2 Protein	A2A2
High Input	1382		

322036 Glanton KFP **Bremen**-ET

Jersey J16

Registered Pedigree

$460/47% gBW REL

Breeding Details

Breeder	R & A Thwaites		
Sire	Kaimatarau Flint Popeye	**MGS**	Okura Goldie Index
Dam	Glanton Index Brisbane	**MGD**	Glanton Tana Blysse ET
gBW/Rel	393/66	**gBW/Rel**	333/76
PW/Rel	716/85	**PW/Rel**	581/93

Genomic Production gBVs

Production Efficiency

Milkfat	Protein	Milk Volume	Liveweight
46 kg	26 kg	-137 l	-7 kg
5.9 %	4.5 %		

Robustness

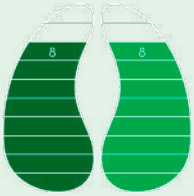
Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
0.9 %	-0.18	0.18	1.5 %	0.54

Other

Heifer Calving Diff.	Cow Calving Diff.	Gestation Length
-2.3%/35%	-1.1%/36%	-2.2 days

Genomic TOP traits

	gBV	-.5	0	.5	1.0
Adapts to Milking	.28				
Shed Temperament	.29				
Milking Speed	.05				
Overall Opinion	.36				
Stature	-.55				
Capacity	.83				
Rump Angle	.33				
Rump Width	-.20				
Legs	.16				
Udder Support	.40				
Front Udder	.59				
Rear Udder	.71				
Front Teat Placement	-.04				
Rear Teat Placement	.05				
Teat Length	.11				
Udder Overall	.54				
Dairy Conformation	.78				



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Nitrogen Efficiency

Methane Efficiency

LIC Initiatives

VMSI	1362	A2 Protein	A2A2
High Input	1389		

322200 Lynbrook Popeye **Tailormade**

Jersey J16

Registered Pedigree

$394/45% gBW REL

Breeding Details

Breeder	S & N Ireland		
Sire	Kaimatarau Flint Popeye	**MGS**	VJKrogaardRodmeQuintana
Dam	Lynbrook Vjquin Trick	**MGD**	Lynbrook O Integ Trick
gBW/Rel	323/62	**gBW/Rel**	403/70
PW/Rel	437/91	**PW/Rel**	373/95

Genomic Production gBVs

Production Efficiency

Milkfat	Protein	Milk Volume	Liveweight
37 kg	6 kg	-550 l	-15 kg
6.3 %	4.5 %		

Robustness

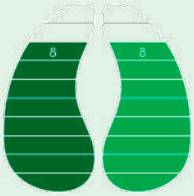
Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
3.8 %	-0.43	0.14	2.8 %	0.75

Other

Heifer Calving Diff.	Cow Calving Diff.	Gestation Length
-1.9%/30%	-0.7%/32%	-3.6 days

Genomic TOP traits

	gBV	-.5	0	.5	1.0
Adapts to Milking	.18				
Shed Temperament	.18				
Milking Speed	-.01				
Overall Opinion	.26				
Stature	-.50				
Capacity	.51				
Rump Angle	.37				
Rump Width	.04				
Legs	.08				
Udder Support	.57				
Front Udder	.74				
Rear Udder	.50				
Front Teat Placement	.50				
Rear Teat Placement	.51				
Teat Length	-.01				
Udder Overall	.75				
Dairy Conformation	.42				



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Nitrogen Efficiency

Methane Efficiency

LIC Initiatives

VMSI	1295	A2 Protein	A2A2
High Input	1316		

322001 Paynes Titus **Excelsior**-ET

Jersey J16

Registered Pedigree

$519/49% gBW REL

Breeding Details

Breeder	B & C Payne		
Sire	Thornwood Banff Titus	**MGS**	Okura LT Integrity
Dam	Paynes 13-60 S3J	**MGD**	BGKN-09-37
gBW/Rel	408/71	**gBW/Rel**	233/56
PW/Rel	924/95	**PW/Rel**	462/90

Genomic Production gBVs

Production Efficiency

Milkfat	Protein	Milk Volume	Liveweight
45 kg	21 kg	-145 l	-45 kg
5.9 %	4.4 %		

Robustness

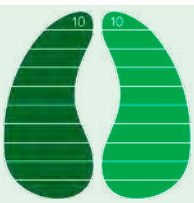
Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
6.8 %	-0.42	0.06	2.4 %	0.63

Other

Heifer Calving Diff.	Cow Calving Diff.	Gestation Length
-1.4%/35%	-0.9%/33%	-3.3 days

Genomic TOP traits

	gBV	-.5	0	.5	1.0
Adapts to Milking	.34				
Shed Temperament	.35				
Milking Speed	.01				
Overall Opinion	.39				
Stature	-.69				
Capacity	.20				
Rump Angle	.11				
Rump Width	.31				
Legs	.07				
Udder Support	.48				
Front Udder	.45				
Rear Udder	.81				
Front Teat Placement	.10				
Rear Teat Placement	.10				
Teat Length	-.34				
Udder Overall	.63				
Dairy Conformation	.33				



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Nitrogen Efficiency

Methane Efficiency

LIC Initiatives

VMSI	1387	A2 Protein	A2A2
High Input	1417		

321008 Glanton Flynn **Brisbane**

Jersey J16

Registered Pedigree

$471/55% gBW REL

Three-year-old dam. Owner: Glanton Holdings Limited, Hawera

Breeding Details

Breeder	R & A Thwaites		
Sire	Bells Bern Flynn S3J	**MGS**	Okura Goldie Index
Dam	Glanton Index Brisbane	**MGD**	Glanton Tana Blysse ET
gBW/Rel	393/66	**gBW/Rel**	333/76
PW/Rel	716/85	**PW/Rel**	581/93

Genomic Production gBVs

Production Efficiency

Milkfat	Protein	Milk Volume	Liveweight
37 kg	15 kg	-506 l	-31 kg
6.2 %	4.6 %		

Robustness

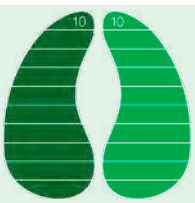
Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
5.5 %	-0.17	0.26	4.3 %	0.52

Other

Heifer Calving Diff.	Cow Calving Diff.	Gestation Length
-2.7%/66%	-0.8%/80%	-5.4 days

Genomic TOP traits

	gBV	-.5	0	.5	1.0
Adapts to Milking	.43				
Shed Temperament	.43				
Milking Speed	.26				
Overall Opinion	.57				
Stature	-.83				
Capacity	.76				
Rump Angle	-.14				
Rump Width	.03				
Legs	.24				
Udder Support	.47				
Front Udder	.50				
Rear Udder	.55				
Front Teat Placement	.06				
Rear Teat Placement	.14				
Teat Length	-.38				
Udder Overall	.52				
Dairy Conformation	.66				



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Nitrogen Efficiency

Methane Efficiency

LIC Initiatives

VMSI	1337	A2 Protein	A2A2
High Input	1370		

322014 Hawthorn Grove GL **Odysseus**

Jersey J16

Registered Pedigree

$438/48% gBW REL

Breeding Details

Breeder	R & J Monk		
Sire	Glenui CM Lazaro	**MGS**	Arrieta Terrific Desi ET
Dam	Hawthorn Grove Flojoe	**MGD**	Hawthorn Grove K Topaz JG
gBW/Rel	432/66	**gBW/Rel**	328/72
PW/Rel	646/87	**PW/Rel**	467/92

Genomic Production gBVs

Production Efficiency

Milkfat	Protein	Milk Volume	Liveweight
34 kg	9 kg	-725 l	-22 kg
6.5 %	4.7 %		

Robustness

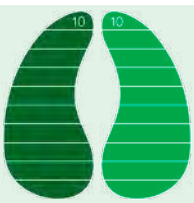
Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
6.2 %	-0.46	0.20	2.8 %	0.41

Other

Heifer Calving Diff.	Cow Calving Diff.	Gestation Length
-2.3%/28%	-1.1%/34%	-3.6 days

Genomic TOP traits

	gBV	-.5	0	.5	1.0
Adapts to Milking	.52				
Shed Temperament	.53				
Milking Speed	.15				
Overall Opinion	.59				
Stature	-.80				
Capacity	.96				
Rump Angle	.05				
Rump Width	-.18				
Legs	.16				
Udder Support	.25				
Front Udder	.42				
Rear Udder	.54				
Front Teat Placement	-.08				
Rear Teat Placement	-.44				
Teat Length	.17				
Udder Overall	.41				
Dairy Conformation	.70				



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Nitrogen Efficiency

Methane Efficiency

LIC Initiatives

VMSI	1300	A2 Protein	A2A2
High Input	1331		

322205 Lynbrook Trigg **Bravado**

Jersey J16

Registered Pedigree

$434/58% gBW REL

Breeding Details

Breeder	S & N Ireland		
Sire	Thornwood Degree Trigger	**MGS**	Braedene PAS Triplestar
Dam	Lynbrook Star Bowie	**MGD**	Lynbrook Connack Bowie
gBW/Rel	490/67	**gBW/Rel**	390/67
PW/Rel	658/88	**PW/Rel**	442/92

Genomic Production gBVs

Production Efficiency

Milkfat	Protein	Milk Volume	Liveweight
34 kg	17 kg	-485 l	-34 kg
6.1 %	4.6 %		

Robustness

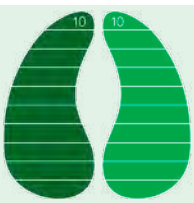
Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
1.2 %	-0.27	0.12	2.8 %	0.99

Other

Heifer Calving Diff.	Cow Calving Diff.	Gestation Length
-2.2%/33%	-1.1%/34%	-5.8 days

Genomic TOP traits

	gBV	-.5	0	.5	1.0
Adapts to Milking	-.06				
Shed Temperament	-.07				
Milking Speed	.12				
Overall Opinion	.13				
Stature	-.67				
Capacity	.66				
Rump Angle	-.35				
Rump Width	-.08				
Legs	.09				
Udder Support	.67				
Front Udder	.69				
Rear Udder	1.17				
Front Teat Placement	.36				
Rear Teat Placement	.28				
Teat Length	-.83				
Udder Overall	.99				
Dairy Conformation	.67				



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Nitrogen Efficiency

Methane Efficiency

LIC Initiatives

VMSI	1343	A2 Protein	A2A2
High Input	1370		

322047 Williams Banff **Julian**

Jersey J16

Registered Pedigree

$465/58% gBW REL

Breeding Details

Breeder	M Williams		
Sire	Glanton Desi Banff	**MGS**	Crescent Excell Monopoly
Dam	Williams CM Juliet	**MGD**	Williams Bounty Juliet
gBW/Rel	381/65	**gBW/Rel**	384/69
PW/Rel	394/75	**PW/Rel**	482/95

Genomic Production gBVs

Production Efficiency

Milkfat	Protein	Milk Volume	Liveweight
42 kg	14 kg	-631 l	-52 kg
6.6 %	4.7 %		

Robustness

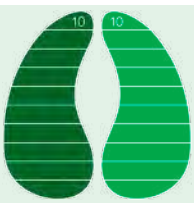
Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
0.3 %	-0.39	-0.02	1.0 %	0.51

Other

Heifer Calving Diff.	Cow Calving Diff.	Gestation Length
-2.1%/34%	-0.9%/33%	-6.5 days

Genomic TOP traits

	gBV	-.5	0	.5	1.0
Adapts to Milking	.21				
Shed Temperament	.21				
Milking Speed	.07				
Overall Opinion	.29				
Stature	-.88				
Capacity	.44				
Rump Angle	-.26				
Rump Width	-.11				
Legs	.04				
Udder Support	.40				
Front Udder	.45				
Rear Udder	.55				
Front Teat Placement	.14				
Rear Teat Placement	.16				
Teat Length	-.26				
Udder Overall	.51				
Dairy Conformation	.37				



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Nitrogen Efficiency

Methane Efficiency

LIC Initiatives

VMSI	1354	A2 Protein	A2A2
High Input	1362		

322022 Jones BB **Phantom**

Jersey J16

Registered Pedigree

$500/47% gBW REL

Breeding Details

Breeder	B & C Jones		
Sire	Bonacord CM Bojangles	**MGS**	Shelby BC Lunar ET S3J
Dam	Jones 19-23	**MGD**	Jones 17-30
gBW/Rel	441/65	**gBW/Rel**	387/69
PW/Rel	406/73	**PW/Rel**	594/93

Genomic Production gBVs

Production Efficiency

Milkfat	Protein	Milk Volume	Liveweight
44 kg	22 kg	-224 l	-3 kg
6.0 %	4.5 %		

Robustness

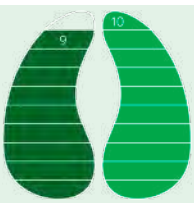
Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
7.0 %	-0.29	0.46	4.2 %	0.19

Other

Heifer Calving Diff.	Cow Calving Diff.	Gestation Length
-2.2%/21%	-0.4%/26%	-0.2 days

Genomic TOP traits

	gBV	-.5	0	.5	1.0
Adapts to Milking	.34				
Shed Temperament	.35				
Milking Speed	.14				
Overall Opinion	.42				
Stature	-.84				
Capacity	1.23				
Rump Angle	-.10				
Rump Width	.06				
Legs	.07				
Udder Support	.03				
Front Udder	.32				
Rear Udder	.30				
Front Teat Placement	-.10				
Rear Teat Placement	-.42				
Teat Length	.43				
Udder Overall	.19				
Dairy Conformation	.86				



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Nitrogen Efficiency

Methane Efficiency

LIC Initiatives

VMSI	1332	A2 Protein	A2A2
High Input	1379		

322017 Riverina Lazaro **Jake**

Jersey J16

Registered Pedigree

gBW $417/47% REL

Breeding Details

Breeder	Riverina Jerseys Limited		
Sire	Glenui CM Lazaro	**MGS**	Braedene PAS Triplestar
Dam	Riverina Triple Janey	**MGD**	Riverina Joskin Juania ET
gBW/Rel	427/65	**gBW/Rel**	342/64
PW/Rel	615/87	**PW/Rel**	612/93

Genomic Production gBVs

Production Efficiency

Milkfat	Protein	Milk Volume	Liveweight
37 kg	11 kg	-527 l	-19 kg
6.3 %	4.6 %		

Robustness

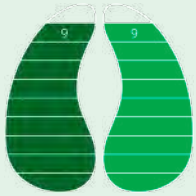
Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
5.6 %	-0.11	0.16	1.9 %	0.68

Other

Heifer Calving Diff.	Cow Calving Diff.	Gestation Length
-2.6%/27%	-1.3%/32%	-3.7 days

Genomic TOP traits

	gBV	-.5	0	.5	1.0
Adapts to Milking	.25				
Shed Temperament	.26				
Milking Speed	.12				
Overall Opinion	.34				
Stature	-.66				
Capacity	.89				
Rump Angle	-.01				
Rump Width	-.18				
Legs	.15				
Udder Support	.48				
Front Udder	.63				
Rear Udder	.78				
Front Teat Placement	.12				
Rear Teat Placement	.03				
Teat Length	.48				
Udder Overall	.68				
Dairy Conformation	.57				



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Nitrogen Efficiency

Methane Efficiency

LIC Initiatives

VMSI	1307	A2 Protein	A2A2
High Input	1344		

322024 Monks Hoss **Tank**

Jersey J16

Registered Pedigree

gBW $433/56% REL

Breeding Details

Breeder	Bradshaw Monks Limited		
Sire	Glenui Degree Hoss ET	**MGS**	Okura Goldie Index
Dam	Monks Index Wendy S3J	**MGD**	DWMM-15-1
gBW/Rel	405/64	**gBW/Rel**	331/66
PW/Rel	454/87	**PW/Rel**	326/91

Genomic Production gBVs

Production Efficiency

Milkfat	Protein	Milk Volume	Liveweight
31 kg	13 kg	-372 l	-41 kg
5.9 %	4.4 %		

Robustness

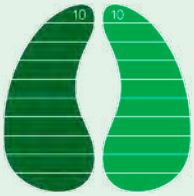
Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
7.1 %	-0.36	0.18	3.4 %	0.62

Other

Heifer Calving Diff.	Cow Calving Diff.	Gestation Length
-1.9%/34%	-0.9%/35%	-1.6 days

Genomic TOP traits

	gBV	-.5	0	.5	1.0
Adapts to Milking	-.04				
Shed Temperament	-.04				
Milking Speed	.02				
Overall Opinion	.03				
Stature	-.79				
Capacity	.23				
Rump Angle	-.17				
Rump Width	-.21				
Legs	-.09				
Udder Support	.43				
Front Udder	.38				
Rear Udder	.67				
Front Teat Placement	.26				
Rear Teat Placement	.08				
Teat Length	-.32				
Udder Overall	.62				
Dairy Conformation	.25				



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Nitrogen Efficiency

Methane Efficiency

LIC Initiatives

VMSI	1302	A2 Protein	A2A2
High Input	1334		

318001 Okura Pepper **Lucca**

Premier Sire

Top 5 gBW

Available in 4M

Six-year-old dam. Owner: Kowhai Properties Ltd, Hikurangi

Jersey J16

Registered Pedigree

gBW $495/89% REL

Individually $35.95 +gst

Classic Packs from $22.32* +gst

*Includes 10% InvestaMate discount

Breeding Details

Breeder	L & L Beehre	**Dam**	Okura OLI Lilac
Sire	Roma Degree Pepper	**MGS**	Okura LT Integrity

Production gBVs

90 Daughters 41 Herds

Production Efficiency

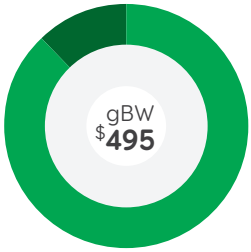
Milkfat	Protein	Milk Volume	Liveweight
57 kg	18 kg	-28 l	-30 kg
6.0 %	4.2 %		

Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
3.4 %	-0.18	0.07	2.8 %	0.48

Other

Heifer Calving Difficulty	Cow Calving Difficulty	Gestation Length
-2.8%/39%	-1.2%/68%	4.8 days



Production efficiency	$435	88%
Robustness	$60	12%

TOP traits

83 Daughters TOP Inspected

Management	gBV	-.5	0	.5	1.0
Adapts to Milking	.75				
Shed Temperament	.77				
Milking Speed	.28				
Overall Opinion	.72				
Conformation	**gBV**	**-.5**	**0**	**.5**	**1.0**
Stature	-.51				
Capacity	.68				
Rump Angle	-.15				
Rump Width	.23				
Legs	.13				
Udder Support	.31				
Front Udder	.39				
Rear Udder	.61				
Front Teat Placement	.05				
Rear Teat Placement	-.21				
Teat Length	-.02				
Udder Overall	.48				
Dairy Conformation	.67				

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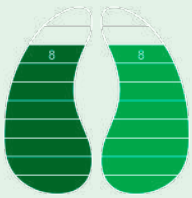
Nitrogen Efficiency

Methane Efficiency



New Zealand Genetics 66 %

17/02/2023

LIC Initiatives

VMSI	1367	A2 Protein	A1A2
High Input	1391		

319023 Crescent Misty **Dawson**

Jersey J16

Registered Pedigree

gBW $384/87% REL

Premier Sire

Individually $33.95 +gst

Classic Packs from $22.32* +gst

*Includes 10% InvestaMate discount

Breeding Details

Breeder	M & D Townshend	**Dam**	Crescent MZ Dolly ET
Sire	Crescent Excell Misty ET	**MGS**	Pukeroa TGM Manzello

Production gBVs

117 Daughters 59 Herds

Production Efficiency

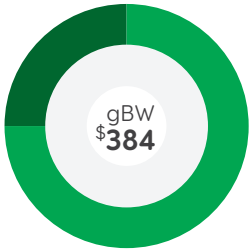
Milkfat	Protein	Milk Volume	Liveweight
28 kg	6 kg	-587 l	-40 kg
6.1 %	4.5 %		

Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
2.8 %	-0.36	0.24	2.6 %	0.57

Other

Heifer Calving Difficulty	Cow Calving Difficulty	Gestation Length
-1.6%/56%	-1.4%/69%	-3.4 days



Production efficiency	$290	75%
Robustness	$94	25%

TOP traits

107 Daughters TOP Inspected

Management	gBV	-.5	0	.5	1.0
Adapts to Milking	.27				
Shed Temperament	.27				
Milking Speed	.23				
Overall Opinion	.41				
Conformation	**gBV**	**-.5**	**0**	**.5**	**1.0**
Stature	-.56				
Capacity	.55				
Rump Angle	.03				
Rump Width	-.53				
Legs	-.08				
Udder Support	.31				
Front Udder	.44				
Rear Udder	.67				
Front Teat Placement	.27				
Rear Teat Placement	.12				
Teat Length	-.09				
Udder Overall	.57				
Dairy Conformation	.47				

New Zealand Genetics 85 %

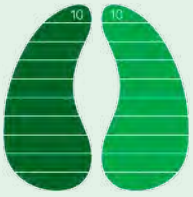
17/02/2023

LIC Initiatives

VMSI	1257	A2 Protein	A2A2
High Input	1279		

Two-year-old daughter. Owner: Jamze Trust, New Plymouth

Two-year-old daughter. Owner: Jamze Trust, New Plymouth



HOOFPRINT®

Nitrogen Efficiency

Methane Efficiency

318032 Shelby Integ **Labyrinth** ET

Top 5 Milkfat

Jersey J16

Registered Pedigree

gBW $466/92% REL

Individually $34.95 +gst

Classic Packs from $22.32* +gst

*Includes 10% InvestaMate discount

Breeding Details

Breeder	T Hughes & V Scott	**Dam**	Shelby 13-3
Sire	Okura LT Integrity	**MGS**	Arrieta NN Degree ET

Production gBVs

142 Daughters 61 Herds

Production Efficiency

Milkfat	Protein	Milk Volume	Liveweight
52 kg	19 kg	-101 l	-36 kg
6.0 %	4.3 %		

Robustness

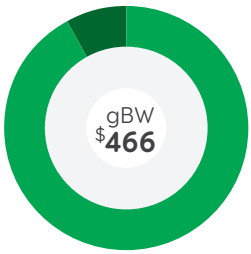
Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
-3.0 %	-0.46	0.15	2.4 %	0.24

Other

Heifer Calving Difficulty	Cow Calving Difficulty	Gestation Length
-2.3%/51%	-0.4%/74%	-0.8 days

Four-year-old dam. Owner: T Hughes & V Scott, Stratford

Two-year-old daughter. Owner: Toplands, Morrinsville



Production efficiency	$429	92%
Robustness	$37	8%

TOP traits

104 Daughters TOP Inspected

Management	gBV	-.5	0	.5	1.0
Adapts to Milking	.04				
Shed Temperament	.03				
Milking Speed	.06				
Overall Opinion	.23				
Conformation	**gBV**	**-.5**	**0**	**.5**	**1.0**
Stature	-1.06				
Capacity	.76				
Rump Angle	-.20				
Rump Width	.02				
Legs	.13				
Udder Support	.23				
Front Udder	.03				
Rear Udder	.34				
Front Teat Placement	.12				
Rear Teat Placement	.43				
Teat Length	-.42				
Udder Overall	.24				
Dairy Conformation	.61				

HOOFPRINT®

Nitrogen Efficiency

Methane Efficiency

New Zealand Genetics 65 %

17/02/2023

LIC Initiatives

VMSI	1347	A2 Protein	A1A2
High Input	1354		

319066 Tironui GB **Montage** ET

Jersey J16
Registered Pedigree

gBW $431/88% REL

Individually $33.95 +gst

Classic Packs from $22.32* +gst

*Includes 10% InvestaMate discount

Genomic Graduate | Top 5 Protein | Top 5 Capacity

Breeding Details

Breeder	M & J Gibb	**Dam**	Tironui Integ Meg
Sire	Glanton SS Bastille S3J	**MGS**	Okura LT Integrity

Production gBVs

154 Daughters 53 Herds

Production Efficiency

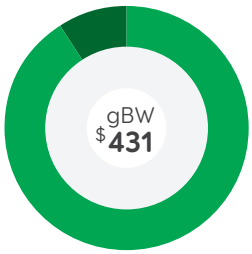
Milkfat	Protein	Milk Volume	Liveweight
47 kg	27 kg	107 l	-14 kg
5.6 %	4.3 %		

Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
-1.5 %	-0.04	0.21	1.8 %	0.44

Other

Heifer Calving Difficulty	Cow Calving Difficulty	Gestation Length
-3.2%/73%	-0.9%/79%	1.7 days



Production efficiency	$391	91%
Robustness	$40	9%

TOP traits

86 Daughters TOP Inspected

Management	gBV	-.5	0	.5	1.0
Adapts to Milking	.23				
Shed Temperament	.22				
Milking Speed	.04				
Overall Opinion	.47				
Conformation	**gBV**	**-.5**	**0**	**.5**	**1.0**
Stature	-.43				
Capacity	.93				
Rump Angle	-.11				
Rump Width	-.18				
Legs	.09				
Udder Support	.23				
Front Udder	.32				
Rear Udder	.49				
Front Teat Placement	.19				
Rear Teat Placement	-.09				
Teat Length	.46				
Udder Overall	.44				
Dairy Conformation	.91				

New Zealand Genetics 76 %

17/02/2023

LIC Initiatives

VMSI	1328	A2 Protein	A2A2
High Input	1354		

Six-year-old dam. Owner: Ede Investments Ltd, Taupiri

Two-year-old daughter. Owner: Glanton Holdings Limited, Hawera

HOOFPRINT®

Nitrogen Efficiency

Methane Efficiency

Daughter Proven

319030 Grantz BC **Hendrix** ET S3J

Premier Sire | Top 5 Fertility

Available in 4M

Jersey J16

Registered Pedigree (supplementary)

gBW $414/86% REL

Individually $33.95 +gst

Classic Packs from $22.32* +gst

*Includes 10% InvestaMate discount

Breeding Details

Breeder	Z J Grant	**Dam**	Grantz AND Hilary ET
Sire	Bells CM Conrad S2J	**MGS**	Arrieta NN Degree ET

Production gBVs

105 Daughters 44 Herds

Production Efficiency

Milkfat	Protein	Milk Volume	Liveweight
43 kg	22 kg	16 l	4 kg
5.7 %	4.3 %		

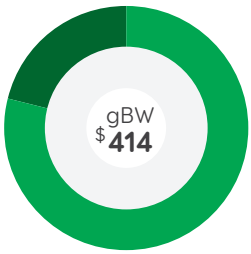
Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
6.9 %	0.05	0.14	1.7 %	0.46

Other

Heifer Calving Difficulty	Cow Calving Difficulty	Gestation Length
-2.8%/62%	-0.4%/66%	-2.9 days

Two-year-old daughter. Owner: M & K Coulter, Hamilton



Production efficiency	$329	80%
Robustness	$85	20%

TOP traits

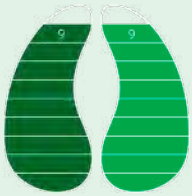
97 Daughters TOP Inspected

Management	gBV	-.5	0	.5	1.0
Adapts to Milking	.15				
Shed Temperament	.15				
Milking Speed	.02				
Overall Opinion	.16				
Conformation	**gBV**	**-.5**	**0**	**.5**	**1.0**
Stature	-.18				
Capacity	.07				
Rump Angle	.20				
Rump Width	-.23				
Legs	.07				
Udder Support	.27				
Front Udder	.42				
Rear Udder	.51				
Front Teat Placement	.08				
Rear Teat Placement	-.29				
Teat Length	.30				
Udder Overall	.46				
Dairy Conformation	.12				

HOOFPRINT®

Nitrogen Efficiency

Methane Efficiency



New Zealand Genetics 78 %

17/02/2023

LIC Initiatives

VMSI	1313	A2 Protein	A2A2
High Input	1345		

318009 Tironui **Superman** ET

Jersey J16

Registered Pedigree

$423/98% gBW REL

Individually $32.95 +gst

Classic Packs from $22.32* +gst

*Includes 10% InvestaMate discount

Genomic Graduate

Top 5 Milkfat

Breeding Details

Breeder	M & J Gibb	**Dam**	Tironui Integ Meg
Sire	Puketawa AD Superstition	**MGS**	Okura LT Integrity

Production gBVs

2414 Daughters 655 Herds

Production Efficiency

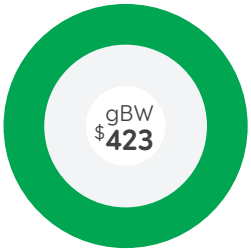
Milkfat	Protein	Milk Volume	Liveweight
50 kg	22 kg	-131 l	-30 kg
6.0 %	4.4 %		

Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
-4.2 %	0.00	-0.05	1.0 %	0.65

Other

Heifer Calving Difficulty	Cow Calving Difficulty	Gestation Length
-1.9%/96%	-0.1%/96%	-2.4 days



Production efficiency	$424	100%
Robustness	-$1	0%

TOP traits

148 Daughters TOP Inspected

Management	gBV	-.5	0	.5	1.0
Adapts to Milking	.09				
Shed Temperament	.08				
Milking Speed	.03				
Overall Opinion	.25				
Conformation	**gBV**	**-.5**	**0**	**.5**	**1.0**
Stature	-.51				
Capacity	.53				
Rump Angle	-.86				
Rump Width	.48				
Legs	.07				
Udder Support	.50				
Front Udder	.46				
Rear Udder	.81				
Front Teat Placement	.06				
Rear Teat Placement	-.05				
Teat Length	.18				
Udder Overall	.65				
Dairy Conformation	.55				

New Zealand Genetics 73 %

17/02/2023

LIC Initiatives

VMSI	1350	A2 Protein	A2A2
High Input	1361		

Six-year-old dam. Owner: Ede Investments Ltd, Taupiri

Two-year-old daughter. Owner: Toplands, Morrinsville

HOOFPRINT®

Nitrogen Efficiency

Methane Efficiency

Daughter Proven

316039 Ulmarra TT **Gallivant**

Premier Sire | Top 5 Stature | Top 5 Liveweight

Jersey J16

Registered Pedigree

gBW $419/93% REL

Individually $33.95 +gst

Classic Packs from $22.32* +gst

*Includes 10% InvestaMate discount

Breeding Details

Breeder	G & H McCallum	**Dam**	Ulmarra 15-56
Sire	Thornwood OLM Thor	**MGS**	Marsden NN Excell ET

Production gBVs

141 Daughters 57 Herds

Production Efficiency

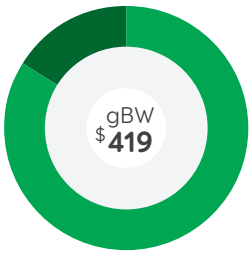
Milkfat	Protein	Milk Volume	Liveweight
47 kg	18 kg	-114 l	-5 kg
5.9 %	4.3 %		

Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
4.5 %	-0.03	0.06	2.4 %	0.57

Other

Heifer Calving Difficulty	Cow Calving Difficulty	Gestation Length
-2.2%/97%	-0.5%/96%	-0.4 days



Production efficiency	$352	84%
Robustness	$67	16%

Two-year-old daughter. Owner: L & J Morgan, Opunake

Two-year-old daughter. Owner: L & J Morgan, Opunake

TOP traits

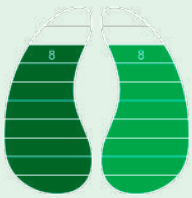
117 Daughters TOP Inspected

Management	gBV	-.5	0	.5	1.0
Adapts to Milking	.31				
Shed Temperament	.32				
Milking Speed	.04				
Overall Opinion	.39				
Conformation	**gBV**	**-.5**	**0**	**.5**	**1.0**
Stature	-.33				
Capacity	.63				
Rump Angle	-.21				
Rump Width	-.05				
Legs	.10				
Udder Support	.30				
Front Udder	.69				
Rear Udder	.70				
Front Teat Placement	.09				
Rear Teat Placement	-.07				
Teat Length	.30				
Udder Overall	.57				
Dairy Conformation	.57				

HOOFPRINT®

Nitrogen Efficiency

Methane Efficiency



New Zealand Genetics 81 %

17/02/2023

LIC Initiatives

VMSI	1317	A2 Protein	A1A2
High Input	1348		

319035 Careys CM **Lexicon** S2J

Jersey J16
Registered Pedigree (supplementary)

gBW $412/87% REL

Individually $35.95 +gst

Classic Packs from $22.32* +gst

*Includes 10% InvestaMate discount

Top 5 Capacity

Top 5 Udders

Breeding Details

Breeder	G & K Carey	**Dam**	Okura OI Nettie
Sire	Crescent Excell Monopoly	**MGS**	Okura LT Integrity

Production gBVs

112 Daughters 44 Herds

Production Efficiency

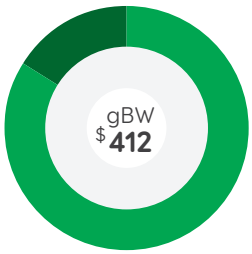
Milkfat	Protein	Milk Volume	Liveweight
41 kg	13 kg	-563 l	-8 kg
6.4 %	4.6 %		

Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
-2.0 %	-0.18	0.28	3.3 %	0.73

Other

Heifer Calving Difficulty	Cow Calving Difficulty	Gestation Length
-2.1%/39%	-2.1%/71%	-4.5 days



Production efficiency	$346	84%
Robustness	$66	16%

Two-year-old daughter. Owner: Valentia Farms Ltd, Morrinsville

TOP traits

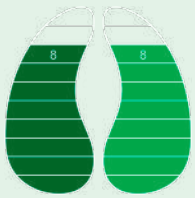
105 Daughters TOP Inspected

Management	gBV	-.5	0	.5	1.0
Adapts to Milking	-.08				
Shed Temperament	-.10				
Milking Speed	.05				
Overall Opinion	.22				
Conformation	**gBV**	**-.5**	**0**	**.5**	**1.0**
Stature	-.81				
Capacity	.98				
Rump Angle	.10				
Rump Width	-.37				
Legs	.09				
Udder Support	.64				
Front Udder	.73				
Rear Udder	.66				
Front Teat Placement	.16				
Rear Teat Placement	.19				
Teat Length	-.39				
Udder Overall	.73				
Dairy Conformation	.68				

Two-year-old daughter. Owner: Jamze Trust, New Plymouth

New Zealand Genetics 76 %

17/02/2023



HOOFPRINT®

Nitrogen Efficiency

Methane Efficiency

LIC Initiatives

VMSI	1317	A2 Protein	A2A2
High Input	1341		

Daughter Proven

319037 Okura Tironui BT **Marco** ET

Premier Sire | Genomic Graduate | Top 5 Liveweight

Jersey J16
Registered Pedigree

gBW $417/91% REL

Individually $32.95 +gst

Classic Packs from $22.32* +gst

*Includes 10% InvestaMate discount

Breeding Details

Breeder	L & L Beehre	**Dam**	Tironui Integ Meg
Sire	Braedene PAS Triplestar	**MGS**	Okura LT Integrity

Production gBVs

200 Daughters 90 Herds

Production Efficiency

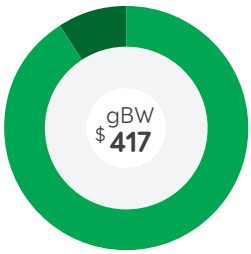
Milkfat	Protein	Milk Volume	Liveweight
48 kg	18 kg	-335 l	-5 kg
6.3 %	4.5 %		

Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
2.0 %	0.24	0.21	1.1 %	0.16

Other

Heifer Calving Difficulty	Cow Calving Difficulty	Gestation Length
-0.4%/76%	-0.6%/86%	1.5 days



Production efficiency	$381	91%
Robustness	$36	9%

Two-year-old daughter. Owner: M & K Coulter, Hamilton

Six-year-old dam. Owner: Ede Investments Ltd, Taupiri

TOP traits

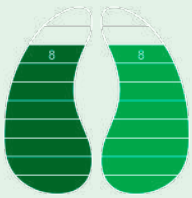
121 Daughters TOP Inspected

Management	gBV	-.5	0	.5	1.0
Adapts to Milking	.21				
Shed Temperament	.22				
Milking Speed	.06				
Overall Opinion	.30				
Conformation	**gBV**	**-.5**	**0**	**.5**	**1.0**
Stature	-.61				
Capacity	.80				
Rump Angle	-.50				
Rump Width	.32				
Legs	.09				
Udder Support	.02				
Front Udder	.03				
Rear Udder	.20				
Front Teat Placement	.15				
Rear Teat Placement	-.11				
Teat Length	.61				
Udder Overall	.16				
Dairy Conformation	.59				

HOOFPRINT®

Nitrogen Efficiency

Methane Efficiency



New Zealand Genetics 72 %

17/02/2023

LIC Initiatives

VMSI	1299	A2 Protein	A2A2
High Input	1324		

315009 Riverview AND **Dexter** S2J

Jersey J16

Registered Pedigree (supplementary)

gBW $346/98% REL

Individually $32.95 +gst

Classic Packs from $22.32* +gst

*Includes 10% InvestaMate discount

Top 5 Volume

Top 5 Survival

Breeding Details

Breeder	R G Lowe	**Dam**	HFYM-12-24
Sire	Arrieta NN Degree ET	**MGS**	Okura Lika Murmur S3J

Production gBVs

3712 Daughters 994 Herds

Production Efficiency

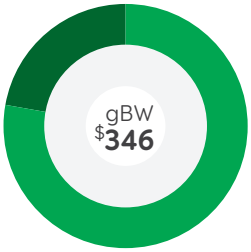
Milkfat	Protein	Milk Volume	Liveweight
29 kg	20 kg	-23 l	-11 kg
5.4 %	4.2 %		

Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
0.5 %	-0.31	0.19	3.4 %	0.64

Other

Heifer Calving Difficulty	Cow Calving Difficulty	Gestation Length
-0.9%/97%	-0.4%/97%	-1.6 days



Production efficiency	$271	78%
Robustness	$75	22%

Two-year-old daughter. Owner: Puketaha Farming Enterprises,

Two-year-old daughter. Owner: Rich Feet Ltd, Te Awamutu

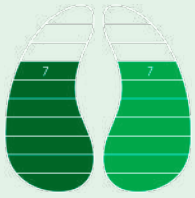
TOP traits

190 Daughters TOP Inspected

Management	gBV	-.5	0	.5	1.0
Adapts to Milking	.16				
Shed Temperament	.15				
Milking Speed	.19				
Overall Opinion	.33				
Conformation	**gBV**	**-.5**	**0**	**.5**	**1.0**
Stature	-.47				
Capacity	.79				
Rump Angle	-.07				
Rump Width	.29				
Legs	-.03				
Udder Support	.45				
Front Udder	.64				
Rear Udder	.14				
Front Teat Placement	.77				
Rear Teat Placement	.69				
Teat Length	.29				
Udder Overall	.64				
Dairy Conformation	.67				

New Zealand Genetics 76 %

17/02/2023



HOOFPRINT®

Nitrogen Efficiency

Methane Efficiency

LIC Initiatives

VMSI	1280	A2 Protein	A2A2
High Input	1294		

Daughter Proven

311013 Okura LT **Integrity**

Jersey J16

Registered Pedigree

$395/99 gBW % REL

- A1A2
- Outstanding capacity
- High milkfat

Two-year-old daughter. Owner: Ede Investments, Ltd, Taupiri

Breeding Details

Breeder	L & L Beehre	**Dam**	Okura Lika I-Charmaine ET
Sire	Lynbrook Terrific ET S3J	**MGS**	Mitchells Likabull SJ3

Production gBVs — 38062 Daughters 4228 Herds

Milkfat	Protein	Milk	Liveweight	Fertility
38 kg	14 kg	-120 l	-43 kg	-0.9 %
5.7 %	4.2 %			

Somatic Cell Count	Body Condition	Functional Survival	Cow Calving Difficulty	Gestation Length
-0.04	0.21	3.8 %	-0.7%/99%	-0.3 days

TOP traits — 1719 Daughters TOP Inspected

Management	gBV	-.5	0	.5	1.0
Overall Opinion	.42				
Capacity	.89				
Udder Overall	.58				
Dairy Conformation	.74				

314052 Crescent Excell **Misty** ET

Jersey J16

Registered Pedigree

$387/99 gBW % REL

- A2A2
- Phenomenal capacity
- Low somatic cells

Two-year-old daughter. Owner: GFJ Farms Ltd, Stratford

Breeding Details

Breeder	M & D Townshend	**Dam**	Crescent RG Madam
Sire	Marsden NN Excell ET	**MGS**	Riverina Greenman

Production gBVs — 16109 Daughters 2544 Herds

Milkfat	Protein	Milk	Liveweight	Fertility
37 kg	7 kg	-791 l	7 kg	-0.4 %
6.7 %	4.8 %			

Somatic Cell Count	Body Condition	Functional Survival	Cow Calving Difficulty	Gestation Length
-0.49	0.41	3.2 %	-0.7%/99%	-0.8 days

TOP traits — 1016 Daughters TOP Inspected

Management	gBV	-.5	0	.5	1.0
Overall Opinion	.36				
Capacity	1.23				
Udder Overall	.37				
Dairy Conformation	.81				

315045 Glenui Degree **Hoss** ET

Jersey J16

Registered Pedigree

$394/99 gBW % REL

- A2A2
- Great udders
- Low somatic cells

Two-year-old daughter. Owner: Rich Feet Ltd, Te Awamutu

Breeding Details

Breeder	A & L Landers	**Dam**	Glenui Bowies Honeydew
Sire	Arrieta NN Degree ET	**MGS**	Konui Glen Elmos Bowie

Production gBVs — 8531 Daughters 1794 Herds

Milkfat	Protein	Milk	Liveweight	Fertility
32 kg	10 kg	-366 l	-39 kg	3.4 %
5.9 %	4.4 %			

Somatic Cell Count	Body Condition	Functional Survival	Cow Calving Difficulty	Gestation Length
-0.50	0.18	2.4 %	-0.8%/99%	2.1 days

TOP traits — 566 Daughters TOP Inspected

Management	gBV	-.5	0	.5	1.0
Overall Opinion	.07				
Capacity	.32				
Udder Overall	.48				
Dairy Conformation	.34				

316009 Tironui LT **Besiege** ET

Jersey J16

Registered Pedigree

$379/94 gBW % REL

- A2A2
- Well liked by farmers
- Good capacity

Two-year-old daughter. Owner: Rich Feet Ltd, Te Awamutu

Breeding Details

Breeder	M & J Gibb	**Dam**	Tironui Degree Bettie
Sire	Lynbrook Terrific ET S3J	**MGS**	Arrieta NN Degree ET

Production gBVs — 209 Daughters 90 Herds

Milkfat	Protein	Milk	Liveweight	Fertility
26 kg	17 kg	-237 l	-55 kg	1.7 %
5.6 %	4.4 %			

Somatic Cell Count	Body Condition	Functional Survival	Cow Calving Difficulty	Gestation Length
-0.01	0.14	3.0 %	-0.9%/97%	-0.4 days

TOP traits — 91 Daughters TOP Inspected

Management	gBV	-.5	0	.5	1.0
Overall Opinion	.53				
Capacity	.39				
Udder Overall	.38				
Dairy Conformation	.34				

Individually $23.15 +gst

17/02/2023

Economy Packs from $16.02* +gst

*Includes 10% InvestaMate discount

17/02/2023

317060 Paspalum OI **Limelight**

Jersey J16

Registered Pedigree

gBW $370/88 % REL

- A1A2
- Outstanding udders
- Good capacity

Two-year-old daughter. Owner: Glanton Holdings Ltd, Hawera

Breeding Details

Breeder	R & T Goudie	**Dam**	Paspalum GTG Linda 40
Sire	Okura LT Integrity	**MGS**	Glenhaven TGM Genius S3J

Production gBVs — 93 Daughters 35 Herds

Milkfat	Protein	Milk	Liveweight	Fertility
28 kg	10 kg	-314 l	-64 kg	2.9 %
5.8 %	4.3 %			

Somatic Cell Count	Body Condition	Functional Survival	Cow Calving Difficulty	Gestation Length
0.04	0.03	2.1 %	-1.6%/89%	1.1 days

TOP traits — 66 Daughters TOP Inspected

Management	gBV	-.5	0	.5	1.0
Overall Opinion	.57				
Capacity	.36				
Udder Overall	.88				
Dairy Conformation	.42				

317049 Shelby SS **Lorenzo** S3J

Jersey J16

Registered Pedigree (supplementary)

gBW $371/96 % REL

- A1A1
- Outstanding udders
- Great capacity

Four-year-old dam. Owner: T Hughes & V Scott, Stratford

Breeding Details

Breeder	T Hughes & V Scott	**Dam**	Shelby 13-3
Sire	Stratford WTH Strider S2J	**MGS**	Arrieta NN Degree ET

Production gBVs — 481 Daughters 212 Herds

Milkfat	Protein	Milk	Liveweight	Fertility
20 kg	9 kg	-347 l	-47 kg	7.3 %
5.6 %	4.3 %			

Somatic Cell Count	Body Condition	Functional Survival	Cow Calving Difficulty	Gestation Length
-0.26	0.28	2.2 %	-1.2%/86%	2.2 days

TOP traits — 80 Daughters TOP Inspected

Management	gBV	-.5	0	.5	1.0
Overall Opinion	.57				
Capacity	.58				
Udder Overall	.81				
Dairy Conformation	.42				

314039 Foxton Manz **Clayton**

Jersey J16

Registered Pedigree

gBW $321/98 % REL

- A2A2
- Low somatic cells
- Shorter gestation

Two-year-old daughter. Owner: Bydand Holdings Ltd, Atiamuri

Breeding Details

Breeder	Huzziff Family	**Dam**	Foxton Clarissa
Sire	Pukeroa TGM Manzello	**MGS**	Kirks RI Charisma ET GR

Production gBVs — 2569 Daughters 821 Herds

Milkfat	Protein	Milk	Liveweight	Fertility
28 kg	15 kg	-190 l	-34 kg	-0.5 %
5.6 %	4.3 %			

Somatic Cell Count	Body Condition	Functional Survival	Cow Calving Difficulty	Gestation Length
-0.41	-0.01	2.0 %	-1.0%/92%	-5.5 days

TOP traits — 117 Daughters TOP Inspected

Management	gBV	-.5	0	.5	1.0
Overall Opinion	.16				
Capacity	.30				
Udder Overall	.23				
Dairy Conformation	.37				

311029 Willand LT **Dynamo**

Jersey J16

Registered Pedigree

gBW $294/99 % REL

- A2A2
- Excellent udders
- Well proven

Two-year-old daughter. Owner: Ede Investments, Ltd, Taupiri

Breeding Details

Breeder	G & R Fleming	**Dam**	Willand Dynamo Duet
Sire	Lynbrook Terrific ET S3J	**MGS**	Te Henui Lemvig Dynamo ET

Production gBVs — 9517 Daughters 2128 Herds

Milkfat	Protein	Milk	Liveweight	Fertility
19 kg	10 kg	-282 l	-50 kg	0.8 %
5.5 %	4.3 %			

Somatic Cell Count	Body Condition	Functional Survival	Cow Calving Difficulty	Gestation Length
-0.06	0.05	3.9 %	-0.6%/94%	0.8 days

TOP traits — 368 Daughters TOP Inspected

Management	gBV	-.5	0	.5	1.0
Overall Opinion	.37				
Capacity	.18				
Udder Overall	.67				
Dairy Conformation	.25				

Individually $23.15 +gst

17/02/2023

Economy Packs from $16.02* +gst

*Includes 10% InvestaMate discount

17/02/2023

Jersey Also Available

17/02/2023

		gBW	Rel.	Milkfat gBV	Protein gBV	Milk gBV	Liveweight gBV	Fertility gBV	SCC gBV	Functional Survival gBV	Overall Opinion gBV	Capacity gBV	Udder Overall gBV	Cow Calving Difficulty BV	Cow Calving Difficulty Rel.	Gestation Length BV	A2 Protein	Price (+GST)
318021	Glanton Desi **Banff**	462	98	46	17	-589	-32	-3.7	-0.46	1.8	0.40	0.67	0.29	-1.1	97	-7.7	A2A2	$26.95
318066	Little River OI **Samurai**	446	90	42	20	-152	-57	2.1	0.50	3.9	0.62	0.68	0.27	-1.8	68	-1.1	A2A2	$26.95
317061	Little River **Trident** S3J	407	85	33	18	71	-44	9.2	-0.18	0.2	0.38	0.62	0.13	-0.6	80	2.5	A1A2	$26.95
319009	Arkan BT **Zambezi** S3J	396	86	34	18	-301	-59	3.9	0.22	-1.6	0.11	0.45	0.08	-2.2	91	-1.3	A2A2	$25.95
318015	Glenui Super **Lamar**	394	98	46	10	-80	-48	-4.1	-0.54	3.0	0.34	0.45	0.80	-0.8	92	-2.7	A2A2	$25.95
317052	Lockhart OI **Joel** JC15^	385	90	42	10	-323	-55	-1.5	0.22	-0.1	0.35	0.63	0.47	-0.8	79	-0.1	A1A2	$22.95
319019	Glenui BT **Liberation**-ET	383	86	39	26	24	-13	-5.4	-0.54	0.3	0.41	0.93	0.50	-1.3	89	-2.9	A2A2	$22.95
318012	Lynbrook King **Quadrant**	381	97	48	12	-186	-40	-4.7	-0.35	1.7	0.33	0.59	0.99	-0.6	94	0.7	A2A2	$22.95
317025	Maxwell Goldie **Matai** S2J	378	91	37	16	2	-63	-2.7	-0.29	0.9	0.52	0.73	0.37	-1.9	83	-4.5	A2A2	$20.95
319003	Bailey LW **Detective** -ET	374	90	35	22	20	-43	-5.7	-0.33	2.3	0.35	0.53	0.51	-0.1	90	-2.2	A2A2	$20.95
317023	Shepherds LT **Flint** ET S3J	361	98	42	25	-119	-32	-9.8	0.13	0.2	0.53	0.53	0.34	-0.6	96	1.5	A2A2	$20.95
315008	Pukeroa AND **Baratone** ET	355	99	30	10	-439	-60	-3.3	0.00	2.4	0.12	0.36	0.33	-0.4	98	-4.8	A2A2	$20.95
318020	Glenui Super **Larkin** ET^	353	89	39	25	102	-18	-4.8	-0.15	3.3	0.42	0.59	0.35	-1.1	69	-3.5	A2A2	$18.95
318002	Okura Coyote **Lennox** S3J	352	98	38	26	278	-35	-3.8	-0.26	2.1	0.32	0.78	-0.10	-1.3	92	-5.7	A2A2	$18.95
315029	Thornwood Degree **Trigger**	352	98	35	14	-222	-25	-4.0	-0.19	2.6	0.13	0.72	1.14	-1.2	97	-4.2	A2A2	$18.95
317020	Thornwood OI **Tane** ET	346	91	22	8	-499	-43	4.8	-0.40	2.5	0.36	0.66	0.08	-1.5	68	-1.2	A2A2	$18.95
316036	Foxton PG **Coyote** ET	345	97	35	20	132	-45	0.5	0.14	1.9	0.41	0.66	0.06	-0.7	93	-3.7	A2A2	$18.95
317037	Glenvue OI **Mighty**	335	96	31	16	-75	-55	-2.0	-0.12	1.0	-0.13	0.40	0.15	-1.2	70	0.0	A2A2	$18.95
312034	Okura Goldie **Index**	333	99	34	22	165	-38	-1.8	-0.15	0.9	0.26	0.33	0.02	-1.4	98	-1.6	A2A2	$18.95
318034	Shelby BC **Lunar** ET S3J	329	97	35	20	-11	9	3.1	0.13	3.4	0.24	0.69	0.11	-0.2	91	0.3	A2A2	$16.95
311044	Bourkes LRT **Ripper**	327	99	20	1	-372	-34	6.8	-0.47	1.4	0.18	0.69	0.71	-1.5	91	0.9	A2A2	$16.95
314022	Linan Integrity **Winston**	325	99	28	16	12	-68	-1.6	0.25	2.2	0.30	0.01	0.61	-0.7	97	-1.7	A2A2	$16.95
318029	Glenui BC **Laredo** ET S3J	322	97	19	17	-21	-54	2.2	0.23	4.4	0.58	0.32	0.67	-0.6	88	-2.9	A2A2	$16.95
318036	McCallum Bern **Veracity** S3J	318	96	29	-1	-695	-42	-0.4	0.04	3.7	0.20	0.15	1.12	-0.4	87	0.2	A2A2	$16.95
312054	Tironui Mur **Kelston** S3J	305	92	22	9	-186	-49	2.0	-0.55	1.5	0.25	0.75	0.09	-1.5	65	-2.5	A2A2	$14.95
317006	Williams PCG **Tenor**	305	90	23	17	166	-49	2.2	0.10	3.7	0.43	0.37	0.43	-1.6	88	0.3	A2A2	$14.95
312014	Chardonnay **Frankie**	303	99	15	11	-242	-64	2.9	-0.41	2.5	0.36	0.41	0.02	-0.5	94	0.2	A2A2	$14.95
313002	Shelby Jive **Leighton** ET	289	94	22	13	4	-48	-2.3	-0.80	2.3	0.21	0.22	0.31	-1.6	68	-6.3	A1A2	$14.95
312057	Bells CM **Conrad** S2J	286	99	28	17	23	-4	3.8	0.40	2.0	0.11	0.41	0.18	-1.2	97	-6.8	A2A2	$14.95
306016	Glenhaven TGM **Genius** S3J	286	99	25	7	-462	-29	4.5	0.05	2.2	0.31	0.04	0.31	-1.0	96	-2.4	A2A2	$12.95
308128	Hillstar **Lot Jester** S3J	269	99	19	9	-250	-26	0.9	-0.38	1.5	0.27	0.51	0.58	-0.9	96	0.7	A1A2	$12.95
316031	Greenmile FGP **Hadlow** ET	264	93	14	11	64	-56	-0.6	-0.91	3.6	0.20	-0.08	0.78	-1.3	77	-0.2	A2A2	$12.95
313016	Bonacord Murmur **Bolt**	260	99	21	4	-247	-67	-0.7	-0.40	0.1	0.09	0.07	0.31	-0.7	94	0.8	A2A2	$12.95
317048	Glanton SS **Baltic** ET S3J	252	94	24	6	-579	-9	-1.2	0.35	1.7	0.28	1.11	0.27	-1.7	70	-6.5	A1A2	$12.95
317041	Flaxmill PCG **Galaxie**	251	97	14	2	-408	-64	-2.3	0.04	1.8	0.24	0.78	0.79	-0.5	90	-6.0	A2A2	$10.95
309012	Kelland KC **Speedway**	250	99	17	8	-145	-32	0.2	-0.15	3.9	0.30	0.31	1.04	-1.1	99	-4.7	A2A2	$10.95
318027	Bells Oarsome **Cojack**	248	94	28	4	-222	-33	1.2	0.47	2.7	0.39	0.37	0.24	-1.1	72	-4.7	A2A2	$10.95
315025	Upland Park KS **Inquest** ET	243	93	8	5	-190	-22	7.6	-0.47	3.8	0.38	0.30	0.51	-1.1	74	0.0	A2A2	$9.95
310047	Upland Park HTA **Mali** S3J	226	99	16	9	-76	-46	-5.5	-0.27	1.7	0.17	0.14	0.84	-1.4	87	-5.1	A2A2	$9.95
314005	Okura Elicit **Invoke** ET	218	98	9	0	-470	-30	7.6	0.17	0.1	0.34	0.38	0.76	-0.5	87	2.1	A2A2	$9.95
309030	Tawa Grove KRC **Tana**^	217	99	10	4	-475	-46	-3.2	-0.15	1.3	0.38	0.56	0.55	-1.3	88	-3.7	A2A2	$9.95

^ Recessive Fertility Gene carrier

2023

KiwiCross®

For updated bull information after each AE run, scan the QR code

Top 5 Combined Rankings

Breeding Worth

National herd breed average
$ 173

Code	Name	gBW/Rel
522006	Paynes **Specialist**	613/48
522050	Julian **Tu-Meke**	564/46
522082	Henrys **Ambition**	506/47
521072	Baldricks **Spectacular**	503/56
522013	Paynes **Physicist**-ET	500/46

Protein

National herd breed average
18 kg

Code	Name	gBV
519020	Paynes **Professor**-ET	55
519034	Gordons **Flash-Gordon**	54
519023	Paynes **Publisher**-ET	51
519082	Heavynly Heights **Joshua**	43
522050	Julian **Tu-Meke**	39

Milkfat

National herd breed average
19 kg

Code	Name	gBV
522082	Henrys **Ambition**	69
522050	Julian **Tu-Meke**	63
519034	Gordons **Flash-Gordon**	61
519010	Balantis **Tempest**-ET	59
519020	Paynes **Professor**-ET	59

Milk Volume

National herd breed average
277 litres

Code	Name	gBV
519020	Paynes **Professor**-ET	1418
519034	Gordons **Flash-Gordon**	1068
519082	Heavynly Heights **Joshua**	872
519023	Paynes **Publisher**-ET	709
519001	Greenmile **Tomahawk**	685

Fertility

National herd breed average
-0.7 %

Code	Name	gBV
522060	Kaiper **Temptation**-ET	10.1
522064	Browns **Randy**	8.6
522006	Paynes **Specialist**	7.9
522051	Lake Downs **Resolution**-ET	6.0
519061	Arkans **Bailiff**	5.6

Functional Survival

National herd breed average
1.1%

Code	Name	gBV
522038	Arkans **Commando**-ET	6.1
521072	Baldricks **Spectacular**	5.4
519061	Arkans **Bailiff**	5.0
522006	Paynes **Specialist**	4.8
518016	Horizon **Ascott**	4.6

Somatic Cell Score

National herd breed average
0.00

Code	Name	gBV
522006	Paynes **Specialist**	-0.56
519061	Arkans **Bailiff**	-0.45
521028	Snowline **Andy**-ET	-0.41
522038	Arkans **Commando**-ET	-0.39
519014	Lynbrook **Kryptonite**	-0.32

Capacity

National herd breed average
0.23

Code	Name	gBV
521035	Wiffens **Centurion**	1.13
519020	Paynes **Professor**-ET	1.01
519010	Balantis **Tempest**-ET	0.96
522024	Foxton **Tactician**	0.93
519042	Werders **Sweepstake**	0.89

Udder Overall

National herd breed average
0.21

Code	Name	gBV
522051	Lake Downs **Resolution**-ET	1.19
522071	Burgess **Princeton**-ET	1.11
518016	Horizon **Ascott**	1.09
522034	Burmeisters **Bruiser**-ET	1.07
521005	Paynes **Sublime**-ET	0.96

Overall Opinion

National herd breed average
0.18

Code	Name	gBV
519012	Kokoamo **K2**	0.64
522038	Arkans **Commando**-ET	0.61
519061	Arkans **Bailiff**	0.60
519082	Heavynly Heights **Joshua**	0.57
519023	Paynes **Publisher**-ET	0.56

Genomically Selected

Want the very latest genetics?

Individually	$33.55
Genomic Packs from	$27.45

*Includes 10% InvestaMate discount

2023 Yearling Bulls

This season the Alpha® yearling bulls won't be selected until September.

Due to their age, the earliest these bulls can be collected from is mid-winter and this has caused some supply issues in the past. LIC has therefore decided to wait until straws have been collected before announcing the 2023 yearling sires.

Yearling bulls will be exclusively available for purchase via Alpha. So, if you're looking to fast track your genetic gain and/or want access to the yearling bulls our Bull Acquisition team are using, make sure you register your interest with your LIC Agri Manager. Alternatively view the bulls online in September lic.co.nz/alpha

522006 Paynes **Specialist**

KiwiCross® F7J9

gBW $613/48% REL

Breeding Details

Breeder	B & C Payne		
Sire	Greenwell Backgammon	**MGS**	Cawdor Pinnacle
Dam	Paynes Sonia	**MGD**	Paynes Sue
gBW/Rel	701/67	**gBW/Rel**	497/70
PW/Rel	1167/66	**PW/Rel**	553/94

Genomic Production gBVs

Production Efficiency

Milkfat	Protein	Milk Volume	Liveweight
58 kg	28 kg	-40 l	-21 kg
6.1 %	4.4 %		

Robustness

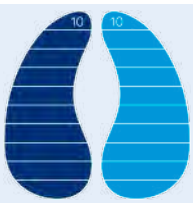
Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
7.9 %	-0.56	0.17	4.8 %	0.57

Other

Heifer Calving Diff.	Cow Calving Diff.	Gestation Length
-0.9%/34%	-1.3%/36%	-5.1 days

Genomic TOP traits

	gBV	-.5	0	.5	1.0
Adapts to Milking	-.06				
Shed Temperament	-.07				
Milking Speed	.05				
Overall Opinion	.12				
Stature	-.55				
Capacity	.33				
Rump Angle	.26				
Rump Width	.00				
Legs	.07				
Udder Support	.56				
Front Udder	.52				
Rear Udder	.48				
Front Teat Placement	.17				
Rear Teat Placement	.41				
Teat Length	-.16				
Udder Overall	.57				
Dairy Conformation	.28				



HOOFPRINT®

Nitrogen Efficiency

Methane Efficiency

LIC Initiatives

VMSI	1470	A2 Protein	A2A2
High Input	1499		

521059 Hacker **Advantage**-ET

KiwiCross® F9J7

$480 gBW / 59% REL

Breeding Details

Breeder	S & E Hacker		
Sire	Speakes Slipstream ET	**MGS**	Priests Sierra
Dam	CTXQ-12-21	**MGD**	CTXQ-06-6
gBW/Rel	497/74	**gBW/Rel**	273/59
PW/Rel	543/92	**PW/Rel**	490/90

Genomic Production gBVs

Production Efficiency

Milkfat	Protein	Milk Volume	Liveweight
52 kg	32 kg	166 l	30 kg
5.7 %	4.3 %		

Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
3.8 %	-0.27	0.22	4.1 %	0.57

Other

Heifer Calving Diff.	Cow Calving Diff.	Gestation Length
2.2%/36%	0.4%/73%	-4.7 days

Genomic TOP traits

	gBV	-.5	0	.5	1.0
Adapts to Milking	.08				
Shed Temperament	.08				
Milking Speed	.01				
Overall Opinion	.11				
Stature	.32				
Capacity	.58				
Rump Angle	.26				
Rump Width	.18				
Legs	-.05				
Udder Support	.57				
Front Udder	.44				
Rear Udder	.81				
Front Teat Placement	-.09				
Rear Teat Placement	.29				
Teat Length	-.21				
Udder Overall	.57				
Dairy Conformation	.59				

HOOFPRINT®
Nitrogen Efficiency
Methane Efficiency

LIC Initiatives

VMSI	1397	A2 Protein	A2A2
High Input	1427		

521028 Snowline **Andy**-ET

KiwiCross® F9J7

$478 gBW / 53% REL

Breeding Details

Breeder	B & M McDonald		
Sire	Sanders Accolade	**MGS**	Horizon Boulevard-ET
Dam	Snowline Empress 2	**MGD**	DPJG-14-11
gBW/Rel	488/62	**gBW/Rel**	402/68
PW/Rel	601/73	**PW/Rel**	437/92

Genomic Production gBVs

Production Efficiency

Milkfat	Protein	Milk Volume	Liveweight
51 kg	36 kg	469 l	-1 kg
5.3 %	4.2 %		

Robustness

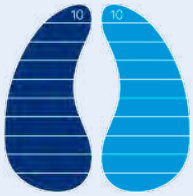
Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
2.2 %	-0.41	0.02	4.2 %	0.40

Other

Heifer Calving Diff.	Cow Calving Diff.	Gestation Length
-1.8%/58%	-0.4%/84%	-6.5 days

Genomic TOP traits

	gBV	-.5	0	.5	1.0
Adapts to Milking	.44				
Shed Temperament	.43				
Milking Speed	.48				
Overall Opinion	.46				
Stature	-.35				
Capacity	.45				
Rump Angle	.32				
Rump Width	.00				
Legs	.22				
Udder Support	.60				
Front Udder	.48				
Rear Udder	.60				
Front Teat Placement	-.38				
Rear Teat Placement	.15				
Teat Length	.04				
Udder Overall	.40				
Dairy Conformation	.39				



HOOFPRINT®
Nitrogen Efficiency
Methane Efficiency

LIC Initiatives

VMSI	1420	A2 Protein	A2A2
High Input	1431		

522013 Paynes **Physicist**-ET

KiwiCross® F10J6

$500/46% gBW REL

Breeding Details

Breeder	B & C Payne		
Sire	Dowson Honenui-ET	**MGS**	Glen Koru Proclaimer-ET
Dam	Paynes Payslee	**MGD**	BGKN-17-56
gBW/Rel	470/66	**gBW/Rel**	351/72
PW/Rel	572/76	**PW/Rel**	348/94

Genomic Production gBVs

Production Efficiency

Milkfat	Protein	Milk Volume	Liveweight
53 kg	30 kg	108 l	-21 kg
5.8 %	4.3 %		

Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
1.9 %	0.15	0.04	3.8 %	0.76

Other

Heifer Calving Diff.	Cow Calving Diff.	Gestation Length
0.5%/32%	-0.2%/35%	0.1 days

Genomic TOP traits

	gBV	-.5	0	.5	1.0
Adapts to Milking	.32				
Shed Temperament	.33				
Milking Speed	-.01				
Overall Opinion	.41				
Stature	-.21				
Capacity	.44				
Rump Angle	-.03				
Rump Width	-.22				
Legs	.00				
Udder Support	.67				
Front Udder	.64				
Rear Udder	.70				
Front Teat Placement	.24				
Rear Teat Placement	.30				
Teat Length	.09				
Udder Overall	.76				
Dairy Conformation	.49				

HOOFPRINT®

Nitrogen Efficiency

Methane Efficiency

LIC Initiatives

VMSI	1411	A2 Protein	A2A2
High Input	1440		

522082 Henrys **Ambition**

KiwiCross® F13J3

$506/47% gBW REL

Breeding Details

Breeder	HT & S Rooney		
Sire	Snowy Valley MG Edge S2F	**MGS**	San Ray FM Beamer-ET S2F
Dam	JJQF-17-62	**MGD**	JJQF-13-13
gBW/Rel	426/65	**gBW/Rel**	363/58
PW/Rel	418/90	**PW/Rel**	473/90

Genomic Production gBVs

Production Efficiency

Milkfat	Protein	Milk Volume	Liveweight
69 kg	37 kg	335 l	43 kg
5.8 %	4.3 %		

Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
2.9 %	0.14	0.09	3.2 %	0.23

Other

Heifer Calving Diff.	Cow Calving Diff.	Gestation Length
1.4%/18%	0.5%/28%	-6.3 days

Genomic TOP traits

	gBV	-.5	0	.5	1.0
Adapts to Milking	.21				
Shed Temperament	.21				
Milking Speed	.15				
Overall Opinion	.25				
Stature	.60				
Capacity	.61				
Rump Angle	.00				
Rump Width	.24				
Legs	-.02				
Udder Support	.26				
Front Udder	.31				
Rear Udder	.25				
Front Teat Placement	.04				
Rear Teat Placement	.44				
Teat Length	-.64				
Udder Overall	.23				
Dairy Conformation	.67				

HOOFPRINT®

Nitrogen Efficiency

Methane Efficiency

LIC Initiatives

VMSI	1432	A2 Protein	A2A2
High Input	1450		

522038 Arkans **Commando**-ET

KiwiCross® F8J8

$458/56% gBW REL

Breeding Details

Breeder	S & K Anderson		
Sire	Arkans Boombox-ET	**MGS**	Okura LT Integrity
Dam	Arkans Cherry	**MGD**	Ace
gBW/Rel	436/64	**gBW/Rel**	341/53
PW/Rel	668/92	**PW/Rel**	744/88

Genomic Production gBVs

Production Efficiency

Milkfat	Protein	Milk Volume	Liveweight
46 kg	37 kg	566 l	1 kg
5.1 %	4.1 %		

Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
-0.1 %	-0.39	0.16	6.1 %	0.90

Other

Heifer Calving Diff.	Cow Calving Diff.	Gestation Length
-0.8%/33%	-0.4%/34%	-0.3 days

Genomic TOP traits

	gBV	-.5	0	.5	1.0
Adapts to Milking	.53				
Shed Temperament	.54				
Milking Speed	.30				
Overall Opinion	.61				
Stature	-.14				
Capacity	.66				
Rump Angle	-.38				
Rump Width	.43				
Legs	.13				
Udder Support	.77				
Front Udder	.83				
Rear Udder	.83				
Front Teat Placement	.25				
Rear Teat Placement	.23				
Teat Length	.36				
Udder Overall	.90				
Dairy Conformation	.75				

HOOFPRINT®

Nitrogen Efficiency

Methane Efficiency

LIC Initiatives

VMSI	1402	A2 Protein	A2A2
High Input	1425		

522059 Juffermans **Mr-Exclusive**

KiwiCross® F9J7

$451/56% gBW REL

Breeding Details

Breeder	C & H Juffermans		
Sire	Speakes Slipstream ET	**MGS**	Dicksons MH Mason-ET S2F
Dam	CVWX-19-17	**MGD**	CVWX-15-69
gBW/Rel	337/63	**gBW/Rel**	347/69
PW/Rel	284/69	**PW/Rel**	249/91

Genomic Production gBVs

Production Efficiency

Milkfat	Protein	Milk Volume	Liveweight
56 kg	32 kg	414 l	18 kg
5.5 %	4.1 %		

Robustness

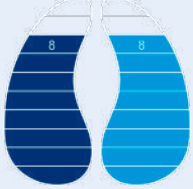
Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
3.7 %	0.32	0.16	2.8 %	0.58

Other

Heifer Calving Diff.	Cow Calving Diff.	Gestation Length
0.3%/35%	-0.3%/33%	-0.4 days

Genomic TOP traits

	gBV	-.5	0	.5	1.0
Adapts to Milking	.41				
Shed Temperament	.43				
Milking Speed	-.12				
Overall Opinion	.42				
Stature	.15				
Capacity	.68				
Rump Angle	.04				
Rump Width	.41				
Legs	-.14				
Udder Support	.54				
Front Udder	.56				
Rear Udder	.54				
Front Teat Placement	.04				
Rear Teat Placement	-.05				
Teat Length	.24				
Udder Overall	.58				
Dairy Conformation	.60				



HOOFPRINT®

Nitrogen Efficiency

Methane Efficiency

LIC Initiatives

VMSI	1373	A2 Protein	A2A2
High Input	1415		

521035 Wiffens **Centurion**

KiwiCross® F6J10

$449 gBW / 53% REL

Breeding Details

Breeder	A & K Wiffen		
Sire	Arkans Barrier	**MGS**	Lynbrook PS Solar-Keet
Dam	Wiffens S-Keet Gem	**MGD**	KVVV-11-11
gBW/Rel	384/64	**gBW/Rel**	274/67
PW/Rel	598/90	**PW/Rel**	366/91

Genomic Production gBVs

Production Efficiency

Milkfat	Protein	Milk Volume	Liveweight
50 kg	31 kg	309 l	24 kg
5.5 %	4.2 %		

Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
4.2 %	-0.13	0.25	1.5 %	0.51

Other

Heifer Calving Diff.	Cow Calving Diff.	Gestation Length
1.1%/36%	-1.1%/70%	-6.2 days

Genomic TOP traits

	gBV	-.5	0	.5	1.0
Adapts to Milking	.42				
Shed Temperament	.44				
Milking Speed	-.11				
Overall Opinion	.42				
Stature	-.29				
Capacity	1.13				
Rump Angle	-.01				
Rump Width	-.17				
Legs	-.04				
Udder Support	.43				
Front Udder	.55				
Rear Udder	.64				
Front Teat Placement	-.09				
Rear Teat Placement	-.09				
Teat Length	-.44				
Udder Overall	.51				
Dairy Conformation	.97				

HOOFPRINT®

Nitrogen Efficiency

Methane Efficiency

LIC Initiatives

VMSI	1361	A2 Protein	A2A2
High Input	1406		

522034 Burmeisters **Bruiser**-ET

KiwiCross® F9J7

$433 gBW / 46% REL

Breeding Details

Breeder	B Burmeister		
Sire	Dowson Honenui-ET	**MGS**	Luck-At-Last Inspired-ET
Dam	LCRF-19-3	**MGD**	Burmeisters WAB Beauty
gBW/Rel	435/64	**gBW/Rel**	357/73
PW/Rel	463/76	**PW/Rel**	477/94

Genomic Production gBVs

Production Efficiency

Milkfat	Protein	Milk Volume	Liveweight
45 kg	26 kg	95 l	22 kg
5.6 %	4.3 %		

Robustness

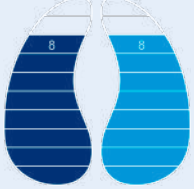
Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
4.0 %	-0.05	0.25	4.4 %	1.07

Other

Heifer Calving Diff.	Cow Calving Diff.	Gestation Length
-0.3%/32%	-0.5%/35%	-5.4 days

Genomic TOP traits

	gBV	-.5	0	.5	1.0
Adapts to Milking	.47				
Shed Temperament	.48				
Milking Speed	.12				
Overall Opinion	.53				
Stature	.09				
Capacity	.80				
Rump Angle	.28				
Rump Width	.32				
Legs	.01				
Udder Support	1.13				
Front Udder	1.03				
Rear Udder	1.09				
Front Teat Placement	.14				
Rear Teat Placement	.94				
Teat Length	-.63				
Udder Overall	1.07				
Dairy Conformation	.86				



HOOFPRINT®

Nitrogen Efficiency

Methane Efficiency

LIC Initiatives

VMSI	1388	A2 Protein	A2A2
High Input	1429		

522023 Clovalley **Scorpion**

KiwiCross® F9J7

$439/56% gBW REL

Breeding Details

Breeder	D Croot & S Cookson		
Sire	Walton Inferno	**MGS**	Luck-At-Last Inspired-ET
Dam	Clovalley Insp Savannah	**MGD**	Clovalley SOV Sahara
gBW/Rel	380/66	**gBW/Rel**	357/68
PW/Rel	230/77	**PW/Rel**	354/92

Genomic Production gBVs

Production Efficiency

Milkfat	Protein	Milk Volume	Liveweight
43 kg	31 kg	286 l	-6 kg
5.3 %	4.2 %		

Robustness

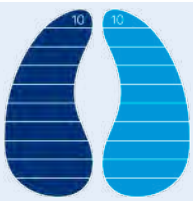
Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
1.9 %	-0.29	0.08	4.0 %	0.70

Other

Heifer Calving Diff.	Cow Calving Diff.	Gestation Length
-1.0%/36%	-0.6%/34%	-6.5 days

Genomic TOP traits

	gBV	-.5	0	.5	1.0
Adapts to Milking	.38				
Shed Temperament	.37				
Milking Speed	.50				
Overall Opinion	.53				
Stature	-.55				
Capacity	.64				
Rump Angle	.15				
Rump Width	-.18				
Legs	.11				
Udder Support	.78				
Front Udder	.60				
Rear Udder	.59				
Front Teat Placement	.21				
Rear Teat Placement	.68				
Teat Length	-.09				
Udder Overall	.70				
Dairy Conformation	.54				



HOOFPRINT®

Nitrogen Efficiency

Methane Efficiency

LIC Initiatives

VMSI	1393	A2 Protein	A2A2
High Input	1407		

521072 Baldricks **Spectacular**

KiwiCross® F10J6

$503/56% gBW REL

Breeding Details

Breeder	H & C O'Donnell		
Sire	Gordons Flash-Gordon	**MGS**	San Ray FM Beamer-ET S2F
Dam	KGQL-15-89	**MGD**	PLP-11-94
gBW/Rel	423/70	**gBW/Rel**	305/69
PW/Rel	564/95	**PW/Rel**	536/92

Genomic Production gBVs

Production Efficiency

Milkfat	Protein	Milk Volume	Liveweight
54 kg	34 kg	362 l	9 kg
5.5 %	4.2 %		

Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
4.6 %	-0.20	0.10	5.4 %	0.95

Other

Heifer Calving Diff.	Cow Calving Diff.	Gestation Length
5.1%/63%	1.4%/66%	1.4 days

Genomic TOP traits

	gBV	-.5	0	.5	1.0
Adapts to Milking	.20				
Shed Temperament	.18				
Milking Speed	.56				
Overall Opinion	.37				
Stature	.10				
Capacity	.66				
Rump Angle	-.13				
Rump Width	.59				
Legs	-.10				
Udder Support	.85				
Front Udder	.83				
Rear Udder	1.02				
Front Teat Placement	.11				
Rear Teat Placement	.22				
Teat Length	-.39				
Udder Overall	.95				
Dairy Conformation	.73				

HOOFPRINT®

Nitrogen Efficiency

Methane Efficiency

LIC Initiatives

VMSI	1444	A2 Protein	A2A2
High Input	1471		

522012 Paynes **Gameboy**-ET

KiwiCross® F9J7

$495/46% gBW REL

Breeding Details

Breeder	B & C Payne		
Sire	Bells Pierce	**MGS**	Lynbrook Kartell
Dam	BGKN-19-318	**MGD**	BGKN-17-25
gBW/Rel	428/66	**gBW/Rel**	365/74
PW/Rel	674/77	**PW/Rel**	684/94

Genomic Production gBVs

Production Efficiency

Milkfat	Protein	Milk Volume	Liveweight
58 kg	32 kg	-35 l	29 kg
6.1 %	4.5 %		

Robustness

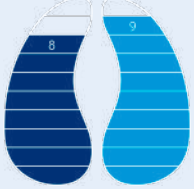
Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
2.8 %	0.29	0.16	3.8 %	0.67

Other

Heifer Calving Diff.	Cow Calving Diff.	Gestation Length
0.9%/30%	-0.4%/33%	-2.6 days

Genomic TOP traits

	gBV	-.5	0	.5	1.0
Adapts to Milking	.31				
Shed Temperament	.31				
Milking Speed	.34				
Overall Opinion	.28				
Stature	-.19				
Capacity	.62				
Rump Angle	-.20				
Rump Width	.42				
Legs	.08				
Udder Support	.63				
Front Udder	.75				
Rear Udder	.72				
Front Teat Placement	-.04				
Rear Teat Placement	.13				
Teat Length	.07				
Udder Overall	.67				
Dairy Conformation	.57				



HOOFPRINT®
Nitrogen Efficiency
Methane Efficiency

LIC Initiatives

VMSI	1424	A2 Protein	A2A2
High Input	1451		

522064 Browns **Randy**

KiwiCross® F11J5

$473/57% gBW REL

Breeding Details

Breeder	N & K Brown		
Sire	Arkans Boombox-ET	**MGS**	Marshalls Silver Lining
Dam	CGPF-18-57	**MGD**	CGPF-15-28
gBW/Rel	499/66	**gBW/Rel**	337/67
PW/Rel	500/89	**PW/Rel**	384/94

Genomic Production gBVs

Production Efficiency

Milkfat	Protein	Milk Volume	Liveweight
43 kg	37 kg	489 l	10 kg
5.1 %	4.1 %		

Robustness

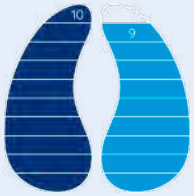
Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
8.6 %	-0.11	0.24	4.0 %	0.64

Other

Heifer Calving Diff.	Cow Calving Diff.	Gestation Length
-0.3%/32%	-0.4%/31%	-0.7 days

Genomic TOP traits

	gBV	-.5	0	.5	1.0
Adapts to Milking	.31				
Shed Temperament	.31				
Milking Speed	.16				
Overall Opinion	.35				
Stature	.09				
Capacity	.62				
Rump Angle	.16				
Rump Width	.21				
Legs	-.05				
Udder Support	.65				
Front Udder	.63				
Rear Udder	.65				
Front Teat Placement	.09				
Rear Teat Placement	.49				
Teat Length	-.28				
Udder Overall	.64				
Dairy Conformation	.64				



HOOFPRINT®
Nitrogen Efficiency
Methane Efficiency

LIC Initiatives

VMSI	1392	A2 Protein	A2A2
High Input	1437		

521005 Paynes **Sublime**-ET

KiwiCross® F12J4

$454 gBW / 55% REL

Breeding Details

Breeder	B & C Payne		
Sire	Meander TD Azure-ET S1F	**MGS**	Cawdor Pinnacle
Dam	Paynes Sonia	**MGD**	Paynes Sue
gBW/Rel	701/67	**gBW/Rel**	497/70
PW/Rel	1167/66	**PW/Rel**	553/94

Genomic Production gBVs

Production Efficiency

Milkfat	Protein	Milk Volume	Liveweight
45 kg	38 kg	280 l	22 kg
5.4 %	4.4 %		

Robustness

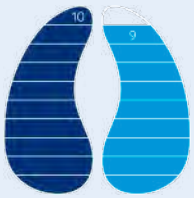
Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
5.3 %	0.20	0.08	3.4 %	0.96

Other

Heifer Calving Diff.	Cow Calving Diff.	Gestation Length
1.3%/26%	-1.4%/70%	-3.9 days

Genomic TOP traits

	gBV	-.5	0	.5	1.0
Adapts to Milking	-.03				
Shed Temperament	-.04				
Milking Speed	.12				
Overall Opinion	.14				
Stature	.34				
Capacity	.06				
Rump Angle	.05				
Rump Width	.39				
Legs	.00				
Udder Support	.93				
Front Udder	.97				
Rear Udder	.68				
Front Teat Placement	.34				
Rear Teat Placement	.52				
Teat Length	-.75				
Udder Overall	.96				
Dairy Conformation	.10				



HOOFPRINT®
Nitrogen Efficiency
Methane Efficiency

LIC Initiatives

VMSI	1424	A2 Protein	A2A2
High Input	1453		

522071 Burgess **Princeton**-ET

KiwiCross® F5J11

$462 gBW / 47% REL

Breeding Details

Breeder	M & W Burgess		
Sire	Dowson Honenui-ET	**MGS**	Arkans Bounty
Dam	Burgess My Pandora	**MGD**	Burgess My Pearl S1J
gBW/Rel	407/66	**gBW/Rel**	432/79
PW/Rel	939/72	**PW/Rel**	761/89

Genomic Production gBVs

Production Efficiency

Milkfat	Protein	Milk Volume	Liveweight
43 kg	20 kg	-290 l	-40 kg
6.1 %	4.5 %		

Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
3.1 %	0.00	-0.04	2.9 %	1.11

Other

Heifer Calving Diff.	Cow Calving Diff.	Gestation Length
-0.4%/33%	-0.1%/33%	-0.7 days

Genomic TOP traits

	gBV	-.5	0	.5	1.0
Adapts to Milking	.35				
Shed Temperament	.36				
Milking Speed	.08				
Overall Opinion	.40				
Stature	-.55				
Capacity	.27				
Rump Angle	-.14				
Rump Width	.07				
Legs	.02				
Udder Support	1.01				
Front Udder	1.20				
Rear Udder	.85				
Front Teat Placement	.28				
Rear Teat Placement	.18				
Teat Length	-.31				
Udder Overall	1.11				
Dairy Conformation	.38				

HOOFPRINT®
Nitrogen Efficiency
Methane Efficiency

LIC Initiatives

VMSI	1394	A2 Protein	A2A2
High Input	1422		

522060 Kaiper **Temptation**-ET

KiwiCross® F7J9

$453/47% gBW REL

Breeding Details

Breeder	K & R Purdie		
Sire	Dowson Honenui-ET	**MGS**	Glen Koru Beckon
Dam	Kaiper Beckon Trudy	**MGD**	Kaiper Beam Trudy ET
gBW/Rel	476/66	**gBW/Rel**	486/69
PW/Rel	485/76	**PW/Rel**	506/77

Genomic Production gBVs

Production Efficiency

Milkfat	Protein	Milk Volume	Liveweight
43 kg	23 kg	-54 l	3 kg
5.8 %	4.3 %		

Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
10.1 %	-0.05	0.03	2.7 %	0.90

Other

Heifer Calving Diff.	Cow Calving Diff.	Gestation Length
-0.5%/33%	0.1%/34%	-0.3 days

Genomic TOP traits

	gBV	-.5	0	.5	1.0
Adapts to Milking	.07				
Shed Temperament	.06				
Milking Speed	.12				
Overall Opinion	.23				
Stature	-.31				
Capacity	.63				
Rump Angle	-.21				
Rump Width	.16				
Legs	.03				
Udder Support	.80				
Front Udder	.85				
Rear Udder	.69				
Front Teat Placement	.48				
Rear Teat Placement	.77				
Teat Length	.45				
Udder Overall	.90				
Dairy Conformation	.64				

HOOFPRINT®

Nitrogen Efficiency

Methane Efficiency

LIC Initiatives

VMSI	1386	A2 Protein	A2A2
High Input	1425		

522024 Foxton **Tactician**

KiwiCross® F6J10

$446/46% gBW REL

Breeding Details

Breeder	Huzziff Family		
Sire	Bells Pierce	**MGS**	Okura OLM Kaino ET
Dam	BYFK-18-121	**MGD**	BYFK-14-160
gBW/Rel	278/64	**gBW/Rel**	315/61
PW/Rel	297/87	**PW/Rel**	590/91

Genomic Production gBVs

Production Efficiency

Milkfat	Protein	Milk Volume	Liveweight
46 kg	20 kg	-222 l	13 kg
6.0 %	4.4 %		

Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
5.5 %	0.06	0.30	4.0 %	0.63

Other

Heifer Calving Diff.	Cow Calving Diff.	Gestation Length
1.4%/30%	0.3%/32%	-2.8 days

Genomic TOP traits

	gBV	-.5	0	.5	1.0
Adapts to Milking	.58				
Shed Temperament	.60				
Milking Speed	.26				
Overall Opinion	.55				
Stature	-.25				
Capacity	.93				
Rump Angle	-.17				
Rump Width	-.20				
Legs	-.08				
Udder Support	.65				
Front Udder	.73				
Rear Udder	.89				
Front Teat Placement	-.33				
Rear Teat Placement	-.11				
Teat Length	.18				
Udder Overall	.63				
Dairy Conformation	.80				

HOOFPRINT®

Nitrogen Efficiency

Methane Efficiency

LIC Initiatives

VMSI	1345	A2 Protein	A2A2
High Input	1389		

522051 Lake Downs **Resolution**-ET

KiwiCross® F8J8

$416/56% gBW REL

Breeding Details

Breeder	K & W Lambeth		
Sire	Speakes Slipstream ET	**MGS**	Greenwell Blackhawk
Dam	JGDY-19-148	**MGD**	JGDY-15-22
gBW/Rel	333/62	**gBW/Rel**	277/60
PW/Rel	499/72	**PW/Rel**	389/94

Genomic Production gBVs

Production Efficiency

Milkfat	Protein	Milk Volume	Liveweight
45 kg	26 kg	70 l	35 kg
5.6 %	4.3 %		

Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
6.0 %	-0.11	0.13	4.0 %	1.19

Other

Heifer Calving Diff.	Cow Calving Diff.	Gestation Length
-0.6%/33%	-0.4%/35%	-4.9 days

Genomic TOP traits

	gBV	-.5	0	.5	1.0
Adapts to Milking	.40				
Shed Temperament	.42				
Milking Speed	-.02				
Overall Opinion	.34				
Stature	.49				
Capacity	.79				
Rump Angle	-.17				
Rump Width	.45				
Legs	.05				
Udder Support	1.02				
Front Udder	.92				
Rear Udder	.96				
Front Teat Placement	.65				
Rear Teat Placement	.81				
Teat Length	-.38				
Udder Overall	1.19				
Dairy Conformation	.83				

HOOFPRINT®
Nitrogen Efficiency
Methane Efficiency

LIC Initiatives

VMSI	1385	A2 Protein	A2A2
High Input	1425		

522050 Julian **Tu-Meke**

KiwiCross® F8J8

$564/46% gBW REL

Sire of Tu-Meke - 520033 Dowson Honenui-ET (photo age 1 yr)

Breeding Details

Breeder	K & R Julian		
Sire	Dowson Honenui-ET	**MGS**	Glen Koru Proclaimer-ET
Dam	HJQB-19-111	**MGD**	HJQB-13-6
gBW/Rel	573/62	**gBW/Rel**	532/70
PW/Rel	629/70	**PW/Rel**	832/91

Genomic Production gBVs

Production Efficiency

Milkfat	Protein	Milk Volume	Liveweight
63 kg	39 kg	242 l	7 kg
5.8 %	4.4 %		

Robustness

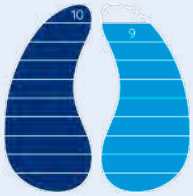
Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
4.1 %	0.14	0.08	2.0 %	0.91

Other

Heifer Calving Diff.	Cow Calving Diff.	Gestation Length
-1.0%/35%	-0.4%/33%	-1.1 days

Genomic TOP traits

	gBV	-.5	0	.5	1.0
Adapts to Milking	.25				
Shed Temperament	.27				
Milking Speed	-.13				
Overall Opinion	.25				
Stature	-.11				
Capacity	.80				
Rump Angle	.49				
Rump Width	.10				
Legs	.14				
Udder Support	.75				
Front Udder	.78				
Rear Udder	.68				
Front Teat Placement	.66				
Rear Teat Placement	1.08				
Teat Length	-1.08				
Udder Overall	.91				
Dairy Conformation	.66				



HOOFPRINT®
Nitrogen Efficiency
Methane Efficiency

LIC Initiatives

VMSI	1488	A2 Protein	A2A2
High Input	1526		

519034 Gordons **Flash-Gordon**

Premier Sire | Top 5 Protein | Available in 4M

KiwiCross® F8J8

gBW $496/88% REL

Individually $36.95 +gst | Classic Packs from $22.32* +gst

*Includes 10% InvestaMate discount

Breeding Details

Breeder	S & S Gordon	**Dam**	Gordons Number Five
Sire	Linan Integrity Winston	**MGS**	Gydeland Excel Inca S3F

Production gBVs

139 Daughters 59 Herds

Production Efficiency

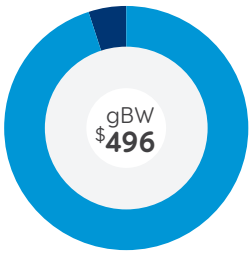
Milkfat	Protein	Milk Volume	Liveweight
61 kg	54 kg	1068 l	16 kg
4.9 %	4.0 %		

Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
-1.9 %	0.09	0.09	3.8 %	0.46

Other

Heifer Calving Difficulty	Cow Calving Difficulty	Gestation Length
-0.1%/72%	0.1%/69%	3.3 days



Production efficiency	$473	95%
Robustness	$23	5%

Two-year-old daughter. Owner:Dairy View Farms Ltd, Morrinsville

Two-year-old daughter. Owner:Cow Freaks Ltd, Te Awamutu

TOP traits

92 Daughters TOP Inspected

Management	gBV	-.5	0	.5	1.0
Adapts to Milking	.06				
Shed Temperament	.05				
Milking Speed	.07				
Overall Opinion	.31				
Conformation	**gBV**	**-.5**	**0**	**.5**	**1.0**
Stature	.24				
Capacity	.32				
Rump Angle	-.10				
Rump Width	-.05				
Legs	-.06				
Udder Support	.40				
Front Udder	.34				
Rear Udder	.82				
Front Teat Placement	-.29				
Rear Teat Placement	-.34				
Teat Length	-.12				
Udder Overall	.46				
Dairy Conformation	.50				

HOOFPRINT®

Nitrogen Efficiency

Methane Efficiency

New Zealand Genetics 55 %

17/02/2023

LIC Initiatives

VMSI	1436	A2 Protein	A1A2
High Input	1461		

519042 Werders **Sweepstake**

KiwiCross® F6J10

gBW $385/85% REL

Individually $34.95 +gst

Classic Packs from $22.32* +gst

*Includes 10% InvestaMate discount

Premier Sire

Top 5 Capacity

Breeding Details

Breeder	T & C Werder	**Dam**	BMWJ-10-38
Sire	Glanton LT Bastian ET	**MGS**	Fairmont Mint-Edition

Production gBVs

87 Daughters 37 Herds

Production Efficiency

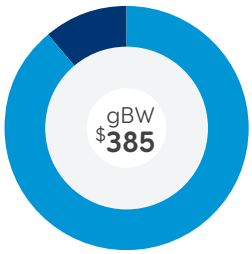
Milkfat	Protein	Milk Volume	Liveweight
41 kg	29 kg	125 l	4 kg
5.5 %	4.3 %		

Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
-1.3 %	0.26	0.26	2.4 %	0.55

Other

Heifer Calving Difficulty	Cow Calving Difficulty	Gestation Length
-0.3%/32%	-1.0%/65%	-0.3 days



Production efficiency	$344	89%
Robustness	$41	11%

Two-year-old daughter. Owner: John & Sandra Shewan, Hamilton

Two-year-old daughter. Owner:Van Terover Farm Ltd, Morrinsville

TOP traits

76 Daughters TOP Inspected

Management	gBV	-.5	0	.5	1.0
Adapts to Milking	.38				
Shed Temperament	.37				
Milking Speed	.24				
Overall Opinion	.50				
Conformation	**gBV**	**-.5**	**0**	**.5**	**1.0**
Stature	-.54				
Capacity	.89				
Rump Angle	-.13				
Rump Width	-.07				
Legs	.21				
Udder Support	.28				
Front Udder	.64				
Rear Udder	.39				
Front Teat Placement	.36				
Rear Teat Placement	.05				
Teat Length	-.41				
Udder Overall	.55				
Dairy Conformation	.64				

New Zealand Genetics 57 %

17/02/2023

HOOFPRINT®

Nitrogen Efficiency

Methane Efficiency

LIC Initiatives

VMSI	1308	A2 Protein	A2A2
High Input	1334		

Daughter Proven

519023 Paynes **Publisher**-ET

Genomic Graduate | Top 5 Protein

Available in 4M

KiwiCross® F11J5

gBW $437/86% REL

Individually $35.95 +gst

Classic Packs from $22.32* +gst

*Includes 10% InvestaMate discount

Breeding Details

Breeder	B & C Payne	**Dam**	Paynes Petra
Sire	Horizon Boulevard-ET	**MGS**	Mourne Grove Hothouse S2F

Production gBVs

99 Daughters 36 Herds

Production Efficiency

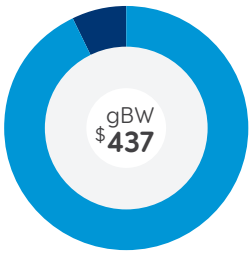
Milkfat	Protein	Milk Volume	Liveweight
58 kg	51 kg	709 l	64 kg
5.2 %	4.2 %		

Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
-2.7 %	0.22	0.20	3.8 %	0.45

Other

Heifer Calving Difficulty	Cow Calving Difficulty	Gestation Length
4.0%/87%	-0.5%/84%	-3.1 days



Production efficiency	$407	93%
Robustness	$30	7%

Two-year-old daughter. Owner: D & S Farms, Thames

Two-year-old daughter. Owner: JR & RN Flynn, Thames

TOP traits

90 Daughters TOP Inspected

Management	gBV	-.5	0	.5	1.0
Adapts to Milking	.32				
Shed Temperament	.31				
Milking Speed	.29				
Overall Opinion	.56				
Conformation	**gBV**	**-.5**	**0**	**.5**	**1.0**
Stature	.43				
Capacity	.63				
Rump Angle	.01				
Rump Width	.51				
Legs	-.05				
Udder Support	.48				
Front Udder	.23				
Rear Udder	.61				
Front Teat Placement	-.14				
Rear Teat Placement	-.13				
Teat Length	-.41				
Udder Overall	.45				
Dairy Conformation	.68				

HOOFPRINT®

Nitrogen Efficiency

Methane Efficiency

New Zealand Genetics 51 %

17/02/2023

LIC Initiatives

VMSI	1415	A2 Protein	A2A2
High Input	1431		

519020 Paynes **Professor**-ET

KiwiCross® F11J5

gBW $383/85% REL

Individually $34.95 +gst

Classic Packs from $22.32* +gst

*Includes 10% InvestaMate discount

Premier Sire | Top 5 Capacity | Top 5 Production

Breeding Details

Breeder	B & C Payne	**Dam**	Paynes HH Prom-Queen
Sire	Horizon Boulevard-ET	**MGS**	Mourne Grove Hothouse S2F

Production gBVs

90 Daughters 40 Herds

Production Efficiency

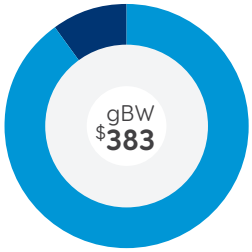
Milkfat	Protein	Milk Volume	Liveweight
59 kg	55 kg	1418 l	80 kg
4.6 %	3.8 %		

Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
-0.6 %	-0.04	0.06	2.7 %	0.47

Other

Heifer Calving Difficulty	Cow Calving Difficulty	Gestation Length
1.7%/36%	-0.1%/68%	-3.8 days



Production efficiency	$346	90%
Robustness	$37	10%

TOP traits

70 Daughters TOP Inspected

Management	gBV	-.5	0	.5	1.0
Adapts to Milking	.20				
Shed Temperament	.19				
Milking Speed	.19				
Overall Opinion	.36				
Conformation	**gBV**	**-.5**	**0**	**.5**	**1.0**
Stature	.52				
Capacity	1.01				
Rump Angle	-.03				
Rump Width	1.15				
Legs	-.05				
Udder Support	.30				
Front Udder	.23				
Rear Udder	.45				
Front Teat Placement	.17				
Rear Teat Placement	-.43				
Teat Length	-.13				
Udder Overall	.47				
Dairy Conformation	.99				

New Zealand Genetics 51 %

17/02/2023

LIC Initiatives

VMSI	1387	A2 Protein	A2A2
High Input	1409		

Two-year-old daughter. Owner: Reevely Farms Ltd, Hamilton

Two-year-old daughter. Owner:Van Terover Farm Ltd, Morrinsville

HOOFPRINT®

Nitrogen Efficiency

Methane Efficiency

Daughter Proven

519010 Balantis **Tempest**-ET

Top 5 Milkfat

Top 5 Capacity

KiwiCross® F7J9

gBW $416/87% REL

Individually $35.95 +gst

Classic Packs from $22.32* +gst

*Includes 10% InvestaMate discount

Two-year-old daughter. Owner:Van Terover Farms Ltd, Morrinsville

Two-year-old daughter. Owner: RC & SL Davis, Ngatea

HOOFPRINT®

Nitrogen Efficiency

Methane Efficiency

Breeding Details

Breeder	H & M Singh	**Dam**	Balantis N Tammy
Sire	Arkans Bounty	**MGS**	Scotts Northsea

Production gBVs

118 Daughters 40 Herds

Production Efficiency

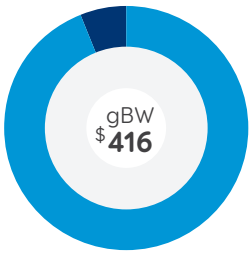
Milkfat	Protein	Milk Volume	Liveweight
59 kg	34 kg	558 l	27 kg
5.4 %	4.0 %		

Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
-2.5 %	0.07	0.08	2.3 %	0.59

Other

Heifer Calving Difficulty	Cow Calving Difficulty	Gestation Length
1.9%/70%	0.0%/63%	-3.0 days



Production efficiency	$392	94%
Robustness	$24	6%

TOP traits

99 Daughters TOP Inspected

Management	gBV	-.5	0	.5	1.0
Adapts to Milking	.16				
Shed Temperament	.18				
Milking Speed	-.30				
Overall Opinion	.23				
Conformation	**gBV**	**-.5**	**0**	**.5**	**1.0**
Stature	-.20				
Capacity	.96				
Rump Angle	-.21				
Rump Width	.66				
Legs	.10				
Udder Support	.56				
Front Udder	.62				
Rear Udder	.55				
Front Teat Placement	.31				
Rear Teat Placement	.96				
Teat Length	.12				
Udder Overall	.59				
Dairy Conformation	.92				

New Zealand Genetics 60 %

17/02/2023

LIC Initiatives

VMSI	1370	A2 Protein	A2A2
High Input	1397		

519014 Lynbrook **Kryptonite**

KiwiCross® F10J6

gBW $387/85% REL

Individually $34.95 +gst

Classic Packs from $22.32* +gst

*Includes 10% InvestaMate discount

Top 5 SCC

Breeding Details

Breeder	S & N Ireland	**Dam**	Lynbrook Beamer Karen
Sire	Arkans Patriarch-ET	**MGS**	San Ray FM Beamer-ET S2F

Production gBVs

99 Daughters 33 Herds

Production Efficiency

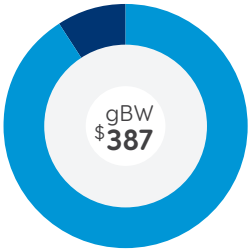
Milkfat	Protein	Milk Volume	Liveweight
41 kg	26 kg	438 l	-35 kg
5.1 %	4.0 %		

Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
-2.4 %	-0.32	-0.05	1.9 %	0.95

Other

Heifer Calving Difficulty	Cow Calving Difficulty	Gestation Length
0.4%/42%	-1.2%/68%	-6.5 days



Production efficiency	$353	91%
Robustness	$34	9%

TOP traits

90 Daughters TOP Inspected

Management	gBV	-.5	0	.5	1.0
Adapts to Milking	.32				
Shed Temperament	.32				
Milking Speed	.13				
Overall Opinion	.40				
Conformation	**gBV**	**-.5**	**0**	**.5**	**1.0**
Stature	-.46				
Capacity	.11				
Rump Angle	.18				
Rump Width	.02				
Legs	.01				
Udder Support	.61				
Front Udder	.74				
Rear Udder	1.11				
Front Teat Placement	.53				
Rear Teat Placement	.90				
Teat Length	-.92				
Udder Overall	.95				
Dairy Conformation	.28				

New Zealand Genetics 49 %

17/02/2023

LIC Initiatives

VMSI	1338	A2 Protein	A1A2
High Input	1348		

Two-year-old daughter. Owner: JR & RN Flynn, Thames

Two-year-old daughter. Owner: JR & RN Flynn, Thames

HOOFPRINT®

Nitrogen Efficiency

Methane Efficiency

Daughter Proven

519082 Heavynly Heights **Joshua**

Premier Sire | Top 5 Protein

Available in 4M

KiwiCross® F12J4

gBW $378/85% REL

Individually $34.95 +gst

Classic Packs from $22.32* +gst

*Includes 10% InvestaMate discount

Breeding Details

Breeder	A & H Schick	**Dam**	GFJX-15-33
Sire	Priests Sierra	**MGS**	Greenwell FI Blade S3F

Production gBVs

88 Daughters 40 Herds

Production Efficiency

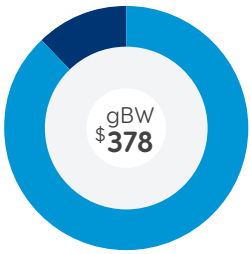
Milkfat	Protein	Milk Volume	Liveweight
43 kg	43 kg	872 l	21 kg
4.8 %	4.0 %		

Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
0.3 %	0.20	0.05	4.1 %	0.94

Other

Heifer Calving Difficulty	Cow Calving Difficulty	Gestation Length
4.1%/35%	0.2%/68%	-3.2 days



Production efficiency	$334	88%
Robustness	$44	12%

Two-year-old daughter. Owner: GM & HM Julian, New Plymouth

Two-year-old daughter. Owner: B & T Hobson Partnership, Paeroa

TOP traits

76 Daughters TOP Inspected

Management	gBV	-.5	0	.5	1.0
Adapts to Milking	.61				
Shed Temperament	.62				
Milking Speed	.27				
Overall Opinion	.57				
Conformation	**gBV**	**-.5**	**0**	**.5**	**1.0**
Stature	-.12				
Capacity	.57				
Rump Angle	-.30				
Rump Width	.33				
Legs	-.08				
Udder Support	.78				
Front Udder	.90				
Rear Udder	.58				
Front Teat Placement	.72				
Rear Teat Placement	1.03				
Teat Length	-1.12				
Udder Overall	.94				
Dairy Conformation	.63				

HOOFPRINT®

Nitrogen Efficiency

Methane Efficiency

New Zealand Genetics 51 %

17/02/2023

LIC Initiatives

VMSI	1377	A2 Protein	A1A2
High Input	1399		

Fertility 1 Carrier

515025 Speakes **Slipstream** ET

KiwiCross® F6J10

gBW $389/99% REL

Individually $34.95 +gst

Classic Packs from $22.32* +gst

*Includes 10% InvestaMate discount

Premier Sire

Breeding Details

Breeder	M & F Speake	**Dam**	Blackjack M Sparkles S0F
Sire	Pukeroa TGM Manzello	**MGS**	Fairmont Mint-Edition

Production gBVs

5024 Daughters 1125 Herds

Production Efficiency

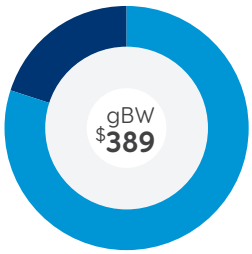
Milkfat	Protein	Milk Volume	Liveweight
40 kg	19 kg	34 l	-7 kg
5.6 %	4.2 %		

Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
4.4 %	-0.03	0.08	2.8 %	0.92

Other

Heifer Calving Difficulty	Cow Calving Difficulty	Gestation Length
0.3%/99%	-0.1%/99%	1.1 days



Production efficiency	$313	80%
Robustness	$76	20%

TOP traits

157 Daughters TOP Inspected

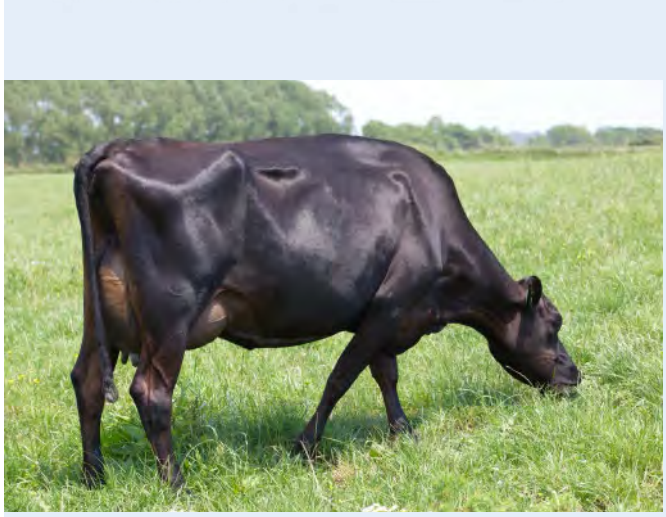
Management	gBV	-.5	0	.5	1.0
Adapts to Milking	.29				
Shed Temperament	.30				
Milking Speed	.18				
Overall Opinion	.28				
Conformation	**gBV**	**-.5**	**0**	**.5**	**1.0**
Stature	.05				
Capacity	.54				
Rump Angle	.06				
Rump Width	.34				
Legs	-.07				
Udder Support	.81				
Front Udder	.78				
Rear Udder	.94				
Front Teat Placement	.23				
Rear Teat Placement	.34				
Teat Length	.04				
Udder Overall	.92				
Dairy Conformation	.47				

New Zealand Genetics 64 %

17/02/2023

LIC Initiatives

VMSI	1329	A2 Protein	A2A2
High Input	1362		



Three-year-old daughter. Owner: J & S Shewan, Hamilton

Three-year-old daughter. Owner: Bouton Farming Ltd, Walton

HOOFPRINT®

Nitrogen Efficiency

Methane Efficiency

Daughter Proven

519001 Greenmile **Tomahawk**

Premier Sire | Top 5 Volume

KiwiCross® F12J4

gBW $350/86% REL

Individually $32.95 +gst | Classic Packs from $22.32* +gst

*Includes 10% InvestaMate discount

Breeding Details

Breeder	B & B Jensen	**Dam**	Greenmile Tapestry
Sire	Glen Koru Ethos-ET S1F	**MGS**	Kraakmans Jaydie

Production gBVs

102 Daughters 49 Herds

Production Efficiency

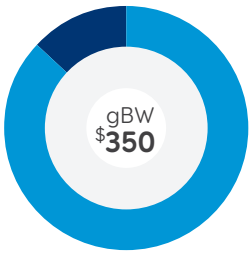
Milkfat	Protein	Milk Volume	Liveweight
36 kg	36 kg	685 l	3 kg
4.8 %	4.0 %		

Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
-0.4 %	-0.30	-0.02	3.2 %	0.63

Other

Heifer Calving Difficulty	Cow Calving Difficulty	Gestation Length
0.4%/36%	-0.2%/69%	-3.8 days



Production efficiency	$305	87%
Robustness	$45	13%

Two-year-old daughter. Owner: Reevely Farms Ltd, Hamilton

Three-year-old maternal grandam. Owner: B & B Jensen, Fielding

TOP traits

87 Daughters TOP Inspected

Management	gBV	-.5	0	.5	1.0
Adapts to Milking	.11				
Shed Temperament	.11				
Milking Speed	.08				
Overall Opinion	.14				
Conformation	**gBV**	**-.5**	**0**	**.5**	**1.0**
Stature	.03				
Capacity	.09				
Rump Angle	.45				
Rump Width	-.18				
Legs	.03				
Udder Support	.68				
Front Udder	.22				
Rear Udder	.76				
Front Teat Placement	.21				
Rear Teat Placement	.80				
Teat Length	-.25				
Udder Overall	.63				
Dairy Conformation	.25				

HOOFPRINT®

Nitrogen Efficiency

Methane Efficiency

New Zealand Genetics 41 %

17/02/2023

LIC Initiatives

VMSI	1337	A2 Protein	A2A2
High Input	1345		

519012 Kokoamo **K2**

KiwiCross® F9J7

gBW $372/85% REL

Individually $34.95 +gst

Classic Packs from $22.32* +gst

*Includes 10% InvestaMate discount

Premier Sire

Top 5 Opinion

Breeding Details

Breeder	M & J Ross	**Dam**	JWTQ-16-184
Sire	Arkans Bounty	**MGS**	Arkan FM Buster-ET S2F

Production gBVs

94 Daughters 41 Herds

Production Efficiency

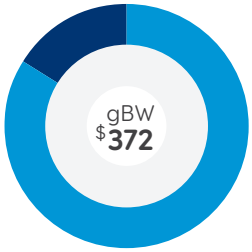
Milkfat	Protein	Milk Volume	Liveweight
42 kg	27 kg	159 l	21 kg
5.5 %	4.2 %		

Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
0.5 %	0.09	0.18	3.8 %	0.70

Other

Heifer Calving Difficulty	Cow Calving Difficulty	Gestation Length
0.8%/39%	1.8%/69%	-1.4 days



Production efficiency	$314	84%
Robustness	$58	16%

Two-year-old daughter. Owner:Dairy View Farms Ltd, Morrinsville

Two-year-old daughter. Owner: David Bros Ltd, Ngatea

TOP traits

86 Daughters TOP Inspected

Management	gBV	-.5	0	.5	1.0
Adapts to Milking	.70				
Shed Temperament	.72				
Milking Speed	.24				
Overall Opinion	.64				
Conformation	**gBV**	**-.5**	**0**	**.5**	**1.0**
Stature	-.05				
Capacity	.85				
Rump Angle	-.30				
Rump Width	.31				
Legs	.01				
Udder Support	.82				
Front Udder	.50				
Rear Udder	.69				
Front Teat Placement	.31				
Rear Teat Placement	1.33				
Teat Length	-.86				
Udder Overall	.70				
Dairy Conformation	.86				

New Zealand Genetics 49 %

17/02/2023

HOOFPRINT®

Nitrogen Efficiency

Methane Efficiency

LIC Initiatives

VMSI	1342	A2 Protein	A1A2
High Input	1363		

Daughter Proven

519061 Arkans **Bailiff**

Premier Sire | Top 5 Fertility | Top 5 Survival

Two-year-old daughter. Owner: RC & SL Davis, Ngatea

Two-year-old daughter. Owner: Bodes Green Limited, Morrinsville

HOOFPRINT®

Nitrogen Efficiency

Methane Efficiency

KiwiCross® F9J7

gBW $374/85% REL

Individually $32.95 +gst

Classic Packs from $22.32* +gst

*Includes 10% InvestaMate discount

Breeding Details

Breeder	S & K Anderson	**Dam**	MHT-16-173
Sire	Horizon Conscript ET	**MGS**	San Ray FM Beamer-ET S2F

Production gBVs

96 Daughters 42 Herds

Production Efficiency

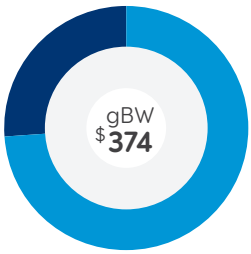
Milkfat	Protein	Milk Volume	Liveweight
38 kg	24 kg	470 l	3 kg
5.1 %	3.9 %		

Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
5.6 %	-0.45	0.11	5.0 %	0.38

Other

Heifer Calving Difficulty	Cow Calving Difficulty	Gestation Length
-0.4%/38%	-0.2%/67%	-1.2 days



Production efficiency	$275	74%
Robustness	$99	26%

TOP traits

89 Daughters TOP Inspected

Management	gBV	-.5	0	.5	1.0
Adapts to Milking	.51				
Shed Temperament	.50				
Milking Speed	.53				
Overall Opinion	.61				
Conformation	**gBV**	**-.5**	**0**	**.5**	**1.0**
Stature	.05				
Capacity	.68				
Rump Angle	.18				
Rump Width	.09				
Legs	.11				
Udder Support	.23				
Front Udder	.36				
Rear Udder	.32				
Front Teat Placement	.34				
Rear Teat Placement	.51				
Teat Length	-.03				
Udder Overall	.38				
Dairy Conformation	.67				

New Zealand Genetics 63 %

17/02/2023

LIC Initiatives

VMSI	1300	A2 Protein	A1A2
High Input	1316		

518016 Horizon **Ascott**

KiwiCross® F9J7

gBW $364/98% REL

Individually $34.95 +gst

Classic Packs from $22.32* +gst

*Includes 10% InvestaMate discount

Premier Sire | Genomic Graduate | Top 5 Udders

Breeding Details

Breeder	M & P Scott	**Dam**	Astrid
Sire	Burmeisters Bandana	**MGS**	Kraakmans Jaydie

Production gBVs

2642 Daughters 731 Herds

Production Efficiency

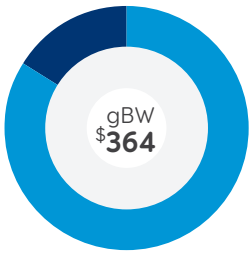
Milkfat	Protein	Milk Volume	Liveweight
33 kg	26 kg	89 l	-9 kg
5.4 %	4.3 %		

Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
0.1 %	0.09	0.11	4.6 %	1.09

Other

Heifer Calving Difficulty	Cow Calving Difficulty	Gestation Length
-1.7%/98%	-0.8%/96%	-5.0 days



Production efficiency	$306	84%
Robustness	$58	16%

TOP traits

99 Daughters TOP Inspected

Management	gBV	-.5	0	.5	1.0
Adapts to Milking	.02				
Shed Temperament	.00				
Milking Speed	.19				
Overall Opinion	.17				
Conformation	**gBV**	**-.5**	**0**	**.5**	**1.0**
Stature	-.44				
Capacity	.48				
Rump Angle	-.18				
Rump Width	-.26				
Legs	-.01				
Udder Support	1.07				
Front Udder	1.10				
Rear Udder	1.00				
Front Teat Placement	.24				
Rear Teat Placement	.71				
Teat Length	.11				
Udder Overall	1.09				
Dairy Conformation	.44				

New Zealand Genetics 58 %

17/02/2023

LIC Initiatives

VMSI	1340	A2 Protein	A2A2
High Input	1367		

Three-year-old daughter. Owner: Kaihere Farms Ltd, Ngatea

Three-year-old daughter. Owner: Kaihere Farms Ltd, Ngatea

HOOFPRINT®

Nitrogen Efficiency

Methane Efficiency

Daughter Proven

519062 Arkans **Barrier**

KiwiCross® F9J7

gBW $337/86 % REL

- A2A2
- Capacious daughters
- Good fertility

Two-year-old daughter. Owner: Pohuenui River Ltd, Te Aroha

Breeding Details

Breeder	S & K Anderson	**Dam**	MHT-14-152
Sire	Arkans Patriarch-ET	**MGS**	Kamahi King

Production gBVs — 111 Daughters 45 Herds

Milkfat	Protein	Milk	Liveweight	Fertility
33 kg	17 kg	-176 l	24 kg	3.7 %
5.7 %	4.3 %			

Somatic Cell Count	Body Condition	Functional Survival	Cow Calving Difficulty	Gestation Length
-0.02	0.30	2.7 %	-0.1%/89%	-3.8 days

TOP traits — 100 Daughters TOP Inspected

	gBV	-.5	0	.5	1.0
Overall Opinion	.23				
Capacity	.97				
Udder Overall	.67				
Dairy Conformation	.81				

518044 Juffermans **Endurance** -ET

KiwiCross® F11J5

gBW $343/98 % REL

- A2A2
- Well liked by farmers
- Great capacity

Breeding Details

Breeder	C & H Juffermans	**Dam**	CVWX-15-69
Sire	Ashdale FM Kelsbells S1F	**MGS**	Arkans Bounty

Production gBVs — 3530 Daughters 652 Herds

Milkfat	Protein	Milk	Liveweight	Fertility
36 kg	28 kg	297 l	16 kg	0.0 %
5.2 %	4.1 %			

Somatic Cell Count	Body Condition	Functional Survival	Cow Calving Difficulty	Gestation Length
-0.49	0.17	4.6 %	0.3%/83%	0.7 days

TOP traits — 81 Daughters TOP Inspected

	gBV	-.5	0	.5	1.0
Overall Opinion	.59				
Capacity	.59				
Udder Overall	.21				
Dairy Conformation	.57				

518038 Werders **Premonition**

KiwiCross® F8J8

gBW $445/98 % REL

- A2A2
- High milkfat
- Great udders

Fertility 1 Carrier

Two-year-old daughter. Owner: Cow Freaks Ltd, Te Awamutu

Breeding Details

Breeder	T & C Werder	**Dam**	BMWJ-13-65
Sire	Priest Sierra	**MGS**	Marsden NN Excell ET

Production gBVs — 4082 Daughters 708 Herds

Milkfat	Protein	Milk	Liveweight	Fertility
60 kg	26 kg	64 l	20 kg	-5.2 %
6.0 %	4.3 %			

Somatic Cell Count	Body Condition	Functional Survival	Cow Calving Difficulty	Gestation Length
-0.39	0.06	3.4 %	-0.5%/96%	-7.3 days

TOP traits — 96 Daughters TOP Inspected

	gBV	-.5	0	.5	1.0
Overall Opinion	.60				
Capacity	.64				
Udder Overall	.64				
Dairy Conformation	.72				

518072 Deans **Professional**

KiwiCross® F7J9

gBW $321/98 % REL

- A2A2
- Well liked by farmers
- Good fertility

Two-year-old daughter. Owner: M & K Coulter, Hamilton

Breeding Details

Breeder	B & D Dean	**Dam**	GYMD-15-250
Sire	Tironui LT Besiege ET	**MGS**	Whinlea PF Esteem-ET S2F

Production gBVs — 4793 Daughters 816 Herds

Milkfat	Protein	Milk	Liveweight	Fertility
37 kg	24 kg	470 l	13 kg	2.5 %
5.0 %	3.9 %			

Somatic Cell Count	Body Condition	Functional Survival	Cow Calving Difficulty	Gestation Length
0.00	0.24	3.9 %	0.3%/96%	-3.4 days

TOP traits — 101 Daughters TOP Inspected

	gBV	-.5	0	.5	1.0
Overall Opinion	.44				
Capacity	.30				
Udder Overall	.25				
Dairy Conformation	.51				

Individually $23.15 +gst

17/02/2023

Economy Packs from $16.02* +gst

*Includes 10% InvestaMate discount

17/02/2023

518015 Smiths **Herald**

KiwiCross® F9J7

gBW $333/98 % REL

- A2A2
- Phenomenal udders
- Great capacity

Seven-year-old dam. Owner: Steve & Debbie Smith, Otorohanga

Breeding Details

Breeder	S & D Smith	**Dam**	GCYQ-11-91
Sire	Arkans Bounty	**MGS**	Fairmont Mint-Edition

Production gBVs — 3096 Daughters 809 Herds

Milkfat	Protein	Milk	Liveweight	Fertility
26 kg	18 kg	-183 l	-24 kg	0.9 %
5.5 %	4.4 %			

Somatic Cell Count	Body Condition	Functional Survival	Cow Calving Difficulty	Gestation Length
0.18	0.10	4.0 %	-0.3%/95%	-3.3 days

TOP traits — 89 Daughters TOP Inspected

	gBV	-.5	0	.5	1.0
Overall Opinion	.44				
Capacity	.52				
Udder Overall	1.19				
Dairy Conformation	.61				

517001 Arkans **Patriarch**-ET

KiwiCross® F10J6

gBW $312/98 % REL

- A1A2
- Outstanding udders
- Well liked by farmers

Six-year-old dam. Owner: S & K Anderson, Otorohanga

Breeding Details

Breeder	S & K Anderson	**Dam**	Arkans Priscilla
Sire	Kraakmans Jaydie	**MGS**	Fairmont Mint-Edition

Production gBVs — 1674 Daughters 565 Herds

Milkfat	Protein	Milk	Liveweight	Fertility
31 kg	13 kg	-51 l	-21 kg	-0.8 %
5.5 %	4.1 %			

Somatic Cell Count	Body Condition	Functional Survival	Cow Calving Difficulty	Gestation Length
0.10	0.12	3.0 %	-0.8%/95%	-4.1 days

TOP traits — 107 Daughters TOP Inspected

	gBV	-.5	0	.5	1.0
Overall Opinion	.40				
Capacity	.27				
Udder Overall	.98				
Dairy Conformation	.41				

516066 Walton **Inferno**

KiwiCross® F9J7

gBW $352/98 % REL

- A2A2
- Somatic cell improver
- Shorter gestation

Two-year-old daughter. Owner: Bouton Farming Ltd, Walton

Breeding Details

Breeder	P & P Snoxell	**Dam**	GMWY-13-32
Sire	Priests Solaris-ET	**MGS**	Howies Checkpoint

Production gBVs — 2234 Daughters 374 Herds

Milkfat	Protein	Milk	Liveweight	Fertility
31 kg	24 kg	23 l	-8 kg	-2.8 %
5.4 %	4.3 %			

Somatic Cell Count	Body Condition	Functional Survival	Cow Calving Difficulty	Gestation Length
-0.82	0.09	3.0 %	-0.6%/99%	-8.4 days

TOP traits — 109 Daughters TOP Inspected

	gBV	-.5	0	.5	1.0
Overall Opinion	.39				
Capacity	.27				
Udder Overall	.31				
Dairy Conformation	.35				

518063 Van Straalens **Safari**

KiwiCross® F11J5

gBW $304/98 % REL

- A2A2
- Capacious daughters
- Great udders

Two-year-old daughter. Owner: Apex Farming Ltd, Te Awamutu

Breeding Details

Breeder	D & R Van Straalen	**Dam**	GYJH-13-112
Sire	Moorbys FM Granite S2F	**MGS**	Arkans Promoter

Production gBVs — 2297 Daughters 512 Herds

Milkfat	Protein	Milk	Liveweight	Fertility
30 kg	29 kg	496 l	-2 kg	-1.7 %
4.9 %	4.0 %			

Somatic Cell Count	Body Condition	Functional Survival	Cow Calving Difficulty	Gestation Length
-0.07	0.12	2.3 %	-1.0%/89%	-0.9 days

TOP traits — 101 Daughters TOP Inspected

	gBV	-.5	0	.5	1.0
Overall Opinion	.33				
Capacity	.75				
Udder Overall	.73				
Dairy Conformation	.68				

Individually $23.15 +gst

17/02/2023

Economy Packs from $16.02* +gst

*Includes 10% InvestaMate discount

17/02/2023

KiwiCross® Also Available

17/02/2023

		gBW	Rel.	Milkfat gBV	Protein gBV	Milk gBV	Liveweight gBV	Fertility gBV	SCC gBV	Functional Survival gBV	Overall Opinion gBV	Capacity gBV	Udder Overall gBV	Cow Calving Difficulty BV	Cow Calving Difficulty Rel.	Gestation Length BV	A2 Protein	Price (+GST)
517067	Cawdor **Pinnacle**	450	98	43	27	-33	-72	0.5	0.58	2.3	0.11	0.25	0.33	-0.2	88	-4.6	A2A2	$26.95
518019	Diggs **Hardcopy**^	448	88	49	28	219	14	4.4	-0.62	2.1	0.28	0.34	0.19	-0.9	65	-7.7	A2A2	$26.95
517043	Glen Koru **Proclaimer**-ET	407	99	56	34	405	0	-5.0	0.24	3.5	0.47	0.47	0.17	-0.1	98	2.2	A2A2	$24.95
515062	Duggans **Gameplan**	386	98	38	12	-464	-37	1.3	0.12	0.3	0.37	0.20	0.53	-0.7	93	-6.7	A2A2	$24.95
517073	Lynbrook **Knockout**	357	90	45	32	383	51	-1.1	-0.31	4.0	0.25	1.06	0.31	-1.2	74	-2.4	A1A2	$21.95
518053	Paynes **Prominence**-ET	347	90	42	39	762	24	-3.3	-0.21	3.3	0.32	0.51	0.32	-0.1	87	-6.1	A1A2	$21.95
516005	Reylands **Ova-N-Out**-ET	340	91	24	17	48	-40	0.9	-0.39	2.5	0.22	0.06	0.75	-0.6	65	-2.4	A1A2	$21.95
515028	Zona **Crossfire**	335	93	25	21	281	2	7.2	-0.76	5.3	0.27	0.77	0.11	-1.0	68	-2.7	A2A2	$20.95
516070	Baldrick **Trixster**-ET	330	92	58	46	1075	66	-3.9	0.07	-0.7	0.24	0.64	0.06	0.0	90	-8.9	A1A2	$20.95
516019	Burmeisters **Eros**-ET	320	98	32	36	710	27	0.8	-0.56	0.7	0.64	0.65	0.07	-1.0	78	-4.2	A2A2	$20.95
517023	Horizon **Boulevard**-ET	317	98	46	46	846	52	-3.7	0.32	1.2	0.32	0.89	0.35	-0.3	86	-3.8	A2A2	$20.95
518037	Shepherds **Egmont**-ET	304	98	29	14	-9	-35	-3.3	0.11	1.4	0.24	0.55	0.64	-0.7	90	-3.7	A1A2	$18.95
515017	Lynbrook **Kartell**^	300	99	29	24	109	-14	1.4	0.36	1.3	0.26	0.31	0.45	-0.8	95	-4.6	A1A2	$18.95
513066	Mouries **Luigi**^	297	99	20	23	193	-19	3.6	-0.18	3.5	0.30	0.05	0.56	-1.1	94	3.0	A2A2	$18.95
513050	Woodheys **Speed Dial**	296	99	32	22	18	-10	-1.5	-0.01	1.9	0.20	0.07	0.42	-0.6	89	-0.3	A1A2	$16.95
515068	Woodwards **Spot On**	294	98	34	21	180	17	3.6	0.01	1.6	0.38	1.12	0.23	-0.7	97	1.9	A2A2	$16.95
518022	Crossans **Centenary**	292	87	37	42	711	95	1.4	-0.27	2.8	0.60	0.93	0.44	-0.6	66	-4.3	A2A2	$16.95
513076	Kamahi **King**^	292	99	21	13	-44	-25	1.1	-0.43	3.8	0.24	0.26	0.76	-0.9	91	1.1	A2A2	$16.95
513098	Arkans **Bounty**	289	99	27	29	434	-7	-3.2	-0.05	2.6	0.32	0.69	0.69	0.2	95	0.6	A1A2	$16.95
515036	Taniwha **Handford** ET	286	91	36	24	93	5	-2.3	0.28	0.9	0.10	0.19	0.51	0.8	88	1.6	A1A2	$16.95
516043	Arkans **Boombox**-ET	286	98	23	30	664	3	-1.3	-0.40	4.0	0.44	0.89	1.07	-0.5	94	3.4	A2A2	$16.95
516025	Arrieta **Brew**-ET	282	98	30	25	241	-18	0.2	0.75	-1.0	0.11	0.64	0.13	-0.8	92	-3.9	A1A2	$16.95
508140	Howies **Easyrider**^	280	99	34	13	-77	-10	-1.5	0.23	2.2	0.08	0.77	0.23	-0.4	95	-3.2	A1A2	$14.95
518069	Totara View **Navigator**	276	97	35	20	233	17	-3.2	-0.50	1.9	0.34	0.10	0.64	0.9	83	-5.3	A2A2	$14.95
516028	Waikorire **Gordon**	275	91	23	17	49	-15	2.0	0.33	3.7	0.48	0.55	1.11	-0.1	77	-0.8	A2A2	$14.95
515018	Lynbrook **Krypton** ET	270	91	42	38	1164	43	-0.2	0.14	1.9	0.40	0.94	0.36	-0.2	72	-3.7	A1A2	$14.95
518068	Morgans **Moonshine**	266	90	17	31	391	25	1.4	-0.84	2.7	0.41	0.44	0.43	0.4	68	-6.3	A1A2	$14.95
517028	Colfols **Cruise Control**^	262	91	28	28	568	12	0.6	0.27	2.4	0.31	0.53	0.56	-0.6	69	-5.6	A1A2	$14.95
508154	Priests **Solaris**-ET^	261	99	18	20	270	13	-0.7	-0.82	3.7	0.57	1.01	0.53	-1.2	99	-5.7	A2A2	$14.95
517069	Brookstead **Cadence**	255	96	31	31	524	42	-3.6	0.19	3.4	0.42	0.72	0.71	0.5	83	-4.8	A2A2	$12.95
518054	Stony Creek **Excalibur**	253	89	23	22	213	12	1.9	0.29	2.4	0.12	0.25	0.89	-0.7	68	-4.6	A1A2	$12.95
515066	Van Straalens **Duel**	251	91	33	16	-124	38	-1.2	0.05	1.7	0.23	0.73	0.47	-0.4	75	-6.4	A1A2	$12.95
515056	Greenmile **Persia**	249	93	13	13	104	-11	4.3	-0.43	3.1	0.25	0.80	0.22	0.1	66	-9.3	A1A2	$12.95
515099	Mullins **Fineprint**	248	97	25	16	-46	-5	-3.5	-0.67	2.4	0.30	0.04	0.23	-1.3	66	-1.3	A2A2	$12.95
515050	Rhantana **Optimist** ET	244	93	29	38	635	31	-1.1	0.06	-0.7	-0.14	0.73	0.15	0.5	65	2.1	A2A2	$12.95
512050	Arkans **Perspective**-ET	238	99	26	18	154	-3	0.9	0.13	1.0	0.03	0.30	0.34	-0.2	96	-3.3	A1A2	$10.95
511014	Kraakmans **Lionheart**	236	98	32	14	129	4	-2.2	-0.19	1.5	0.00	0.28	0.53	-1.1	77	-1.9	A1A2	$10.95
518017	Horizon **Barnstormer**-ET	236	97	40	31	587	56	-2.9	0.06	2.5	0.51	0.94	0.07	0.7	95	-9.3	A2A2	$10.95
516015	Hyjinks **Snapper**	234	99	27	10	-47	16	-1.8	-0.13	2.4	0.50	0.40	0.56	-0.1	93	1.2	A1A2	$10.95
514018	Glen Koru **Epic**	232	99	21	24	122	-3	-1.4	-0.12	0.8	0.37	0.35	0.25	-0.9	96	1.0	A2A2	$10.95
513016	Horizon **Blazer** ET	226	99	24	20	295	11	-2.8	-0.22	2.1	0.22	0.63	0.31	-0.8	91	-4.4	A1A2	$9.95
515032	Howses **Standout**	224	98	21	14	-278	10	2.6	0.36	1.8	0.32	0.69	1.06	-1.3	74	0.5	A1A2	$9.95
511051	Drysdales **Sovereign**^	223	99	18	14	150	5	-1.7	-0.41	2.8	0.42	0.90	0.71	-1.4	98	-5.3	A2A2	$9.95

^ Recessive Fertility Gene carrier

2023

Ayrshire

For updated bull information after each AE run, scan the QR code

516504 Iwa Iso **Castlebar** ET

Ayrshire A16
Registered Ayrshire

gBW $61/83% REL

Individually $23.15 +gst | Ayrshire Packs from $19.26* +gst

*Includes 10% InvestaMate discount

Two-year-old daughter. Owner: Bonacord Farms Ltd, Outram

Breeding Details

Breeder	Iwa Syndicate	**Dam**	Sanrosa Snowie 11-260 ET
Sire	Southwind Isabro	**MGS**	Asmo Tosikko ET

Production gBVs — 79 Daughters 19 Herds

Production Efficiency

Milkfat	Protein	Milk Volume	Liveweight
28 kg	25 kg	945 l	67 kg
4.4 %	3.6 %		

Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
-4.4 %	-0.07	0.09	-1.1 %	-0.18

Other

Heifer Calving Diff.	Cow Calving Diff.	Gestation Length
-1.5%/55%	0.3%/85%	1.8 days

TOP traits — 48 Daughters TOP Inspected

	gBV	-.5 0 .5 1.0
Adapts to Milking	.27	
Shed Temperament	.30	
Milking Speed	-.31	
Overall Opinion	.19	
Stature	.19	
Capacity	.47	
Rump Angle	.48	
Rump Width	-.13	
Legs	.05	
Udder Support	-.21	
Front Udder	-.16	
Rear Udder	-.18	
Front Teat Placement	.01	
Rear Teat Placement	-.14	
Teat Length	-.58	
Udder Overall	-.18	
Dairy Conformation	.15	

LIC Initiatives

VMSI	1089	A2 Protein	A2A2
High Input	1092		

519509 Lodore **Ruler**

Ayrshire A16
Registered Ayrshire

gBW $65/63% REL

Individually $23.15 +gst | Ayrshire Packs from $19.26* +gst

*Includes 10% InvestaMate discount

Breeding Details

Breeder	Lodore Farm Ltd	**Dam**	Lodore Karis Royal
Sire	Greenlane Toledo	**MGS**	Southwind Inkkari

Production gBVs — 18 Daughters 10 Herds

Production Efficiency

Milkfat	Protein	Milk Volume	Liveweight
16 kg	9 kg	244 l	25 kg
4.8 %	3.8 %		

Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
-3.2 %	-0.59	-0.07	0.1 %	-0.14

Other

Heifer Calving Diff.	Cow Calving Diff.	Gestation Length
-2.8%/22%	-1.3%/44%	-4.1 days

TOP traits — 6 Daughters TOP Inspected

	gBV	-.5 0 .5 1.0
Adapts to Milking	.44	
Shed Temperament	.46	
Milking Speed	.07	
Overall Opinion	.36	
Stature	-.54	
Capacity	.20	
Rump Angle	.49	
Rump Width	-.51	
Legs	.15	
Udder Support	-.12	
Front Udder	-.10	
Rear Udder	-.22	
Front Teat Placement	.03	
Rear Teat Placement	-.04	
Teat Length	-.09	
Udder Overall	-.14	
Dairy Conformation	-.12	

LIC Initiatives

VMSI	1059	A2 Protein	A1A2
High Input	1037		

519512 Musica **Tromboner**

Ayrshire A16
Registered Ayrshire

gBW $53/63% REL

Individually $23.15 +gst

Ayrshire Packs from $19.26* +gst

*Includes 10% InvestaMate discount

Breeding Details

Breeder	Ackermann Ltd	**Dam**	Musica 13-25
Sire	Sanrosa Dynamite ET	**MGS**	Carmelglen Brody

Production gBVs — 29 Daughters 11 Herds

Production Efficiency

Milkfat	Protein	Milk Volume	Liveweight
23 kg	20 kg	602 l	44 kg
4.6 %	3.7 %		

Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
-7.4 %	0.42	0.01	1.2 %	0.28

Other

Heifer Calving Diff.	Cow Calving Diff.	Gestation Length
2.7%/13%	-0.1%/55%	2.1 days

TOP traits — 10 Daughters TOP Inspected

	gBV	-.5	0	.5	1.0
Adapts to Milking	.54				
Shed Temperament	.55				
Milking Speed	.24				
Overall Opinion	.54				
Stature	.03				
Capacity	.67				
Rump Angle	.40				
Rump Width	.22				
Legs	.14				
Udder Support	.31				
Front Udder	.47				
Rear Udder	.06				
Front Teat Placement	.09				
Rear Teat Placement	.13				
Teat Length	-1.01				
Udder Overall	.28				
Dairy Conformation	.41				

LIC Initiatives

VMSI	1107	A2 Protein	A1A2
High Input	1104		

515503 Iwa **Super Sonic**

Ayrshire A16
Registered Ayrshire

gBW $151/92% REL

Individually $23.15 +gst

Ayrshire Packs from $19.26* +gst

*Includes 10% InvestaMate discount

Two-year-old daughter. Owner: Henderson Family Trust, Otorohanga

Breeding Details

Breeder	Iwa Syndicate	**Dam**	Sanrosa Snowie 11-260 ET
Sire	Salt Spray Bonny George	**MGS**	Asmo Tosikko ET

Production gBVs — 359 Daughters 82 Herds

Production Efficiency

Milkfat	Protein	Milk Volume	Liveweight
28 kg	15 kg	497 l	11 kg
4.8 %	3.7 %		

Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
-7.7 %	-0.48	0.08	0.8 %	0.67

Other

Heifer Calving Diff.	Cow Calving Diff.	Gestation Length
-1.5%/78%	-0.1%/94%	-1.6 days

TOP traits — 117 Daughters TOP Inspected

	gBV	-.5	0	.5	1.0
Adapts to Milking	.03				
Shed Temperament	.04				
Milking Speed	-.21				
Overall Opinion	.06				
Stature	-.12				
Capacity	.40				
Rump Angle	.06				
Rump Width	-.04				
Legs	-.10				
Udder Support	.59				
Front Udder	.69				
Rear Udder	.63				
Front Teat Placement	.20				
Rear Teat Placement	.43				
Teat Length	-.30				
Udder Overall	.67				
Dairy Conformation	.36				

LIC Initiatives

VMSI	1167	A2 Protein	A2A2
High Input	1163		

518501 Kauri **Sterling**

Ayrshire A16
Registered Ayrshire

gBW $42 REL 78%

Individually $23.15 +gst | Ayrshire Packs from $19.26* +gst

*Includes 10% InvestaMate discount

Breeding Details

Breeder	B & C Hutchings	**Dam**	Lodore Carters Snow ET
Sire	Southwind Jacks Quintin	**MGS**	Semayr Greenlane Carter

Production gBVs — 62 Daughters 19 Herds

Production Efficiency

Milkfat	Protein	Milk Volume	Liveweight
25 kg	12 kg	298 l	37 kg
5.0 %	3.8 %		

Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
-9.4 %	0.43	-0.15	0.8 %	0.29

Other

Heifer Calving Diff.	Cow Calving Diff.	Gestation Length
-1.5%/35%	-0.7%/55%	-2.2 days

TOP traits — 15 Daughters TOP Inspected

	gBV	-.5	0	.5	1.0
Adapts to Milking	.40				
Shed Temperament	.42				
Milking Speed	.03				
Overall Opinion	.41				
Stature	-.34				
Capacity	.45				
Rump Angle	.14				
Rump Width	-.25				
Legs	.11				
Udder Support	.22				
Front Udder	.34				
Rear Udder	.14				
Front Teat Placement	.28				
Rear Teat Placement	.36				
Teat Length	-.26				
Udder Overall	.29				
Dairy Conformation	.35				

LIC Initiatives

VMSI	1088	A2 Protein	A1A2
High Input	1074		

519500 Brookview D **Extreme**

Ayrshire A16
Registered Ayrshire

gBW $68 REL 64%

Individually $23.15 +gst | Ayrshire Packs from $19.26* +gst

*Includes 10% InvestaMate discount

Two-year-old-daughter. Owner: D & A Jacobsen, Stratford

Breeding Details

Breeder	Brookview Genetics	**Dam**	Brookview Lots Elsie
Sire	Sanrosa Deacon ET	**MGS**	Plum-Bottom Trident's Lot

Production gBVs — 23 Daughters 9 Herds

Production Efficiency

Milkfat	Protein	Milk Volume	Liveweight
23 kg	23 kg	757 l	25 kg
4.5 %	3.7 %		

Robustness

Fertility	Somatic Cell Count	Body Cond. Score	Functional Survival	Udder Overall
-14.3 %	-0.56	-0.13	1.2 %	0.21

Other

Heifer Calving Diff.	Cow Calving Diff.	Gestation Length
1.6%/28%	1.1%/54%	-4.8 days

TOP traits — 12 Daughters TOP Inspected

	gBV	-.5	0	.5	1.0
Adapts to Milking	.49				
Shed Temperament	.51				
Milking Speed	-.02				
Overall Opinion	.39				
Stature	-.15				
Capacity	.13				
Rump Angle	.00				
Rump Width	.04				
Legs	-.13				
Udder Support	.39				
Front Udder	.13				
Rear Udder	.18				
Front Teat Placement	-.03				
Rear Teat Placement	.41				
Teat Length	-.83				
Udder Overall	.21				
Dairy Conformation	.16				

LIC Initiatives

VMSI	1156	A2 Protein	A1A2
High Input	1126		

Young Unproven Ayrshire

523500 Kiteroa **Las Vegass**

Registered Ayrshire
A2A2

$91 gBW / 39 % REL

Breeding Details	
Sire	VR Stakkehave Viljar Vimo
Dam	Kiteroa Lynnies Lady
MGS	Sanrosa Deacon ET

Production BVs			
Milkfat	Protein	Milk	Liveweight
28 kg	12 kg	461 l	48 kg
4.9 %	3.7 %		

523501 Lodore Royal **Vimo**

Registered Ayrshire
A1A2

$15 gBW / 41 % REL

Breeding Details	
Sire	VR Stakkehave Viljar Vimo
Dam	Lodore Karis Royal
MGS	Southwind Inkkari

Production BVs			
Milkfat	Protein	Milk	Liveweight
15 kg	9 kg	362 l	58 kg
4.7 %	3.7 %		

523502 Musica **Bluegrass**

Registered Ayrshire
A1A2

$-2 gBW / 42 % REL

Breeding Details	
Sire	Musica Tromboner
Dam	Musica 14-14
MGS	Lodore Blake

Production BVs			
Milkfat	Protein	Milk	Liveweight
13 kg	9 kg	445 l	13 kg
4.6 %	3.6 %		

523503 Sanrosa **Dougy**

Registered Ayrshire
A1A2

$-46 gBW / 41 % REL

Breeding Details	
Sire	VR Stakkehave Viljar Vimo
Dam	Sanrosa Dale 12-29 ET
MGS	Asmo Tosikko ET

Production BVs			
Milkfat	Protein	Milk	Liveweight
6 kg	8 kg	527 l	58 kg
4.4 %	3.6 %		

523504 Sanrosa **Maxwell**

Registered Ayrshire
A1A2

$147 gBW / 46 % REL

Breeding Details	
Sire	Iwa Super Sonic
Dam	Sanrosa Magnolia 18-314
MGS	Sanrosa Dynamite ET

Production BVs			
Milkfat	Protein	Milk	Liveweight
33 kg	15 kg	179 l	49 kg
5.3 %	4.0 %		

523505 Te Matai Royal **Rum**

Registered Ayrshire
A2A2

$128 gBW / 47 % REL

Breeding Details	
Sire	Iwa Super Sonic
Dam	Te Matai D Royalle
MGS	Sanrosa Deacon ET

Production BVs			
Milkfat	Protein	Milk	Liveweight
28 kg	12 kg	112 l	19 kg
5.2 %	4.0 %		

523506 Thornton Park V **Berretta**

Registered Ayrshire
A2A2

$20 gBW / 40 % REL

Breeding Details	
Sire	VR Stakkehave Viljar Vimo
Dam	Thornton Park SPG Beretta
MGS	Salt Spray Bonny George

Production BVs			
Milkfat	Protein	Milk	Liveweight
11 kg	2 kg	-66 l	20 kg
5.1 %	3.9 %		

Individually $16.60 +gst | Choice Pack $15.20 +gst | No Choice Pack $6.60 +gst

NB: Young unproven Ayrshire not available for winter mating.

17/03/2023

Ayrshire Also Available

17/03/2023

		gBW	Rel.	Milkfat gBV	Protein gBV	Milk gBV	Liveweight gBV	Fertility gBV	SCC gBV	Functional Survival gBV	Overall Opinion gBV	Capacity gBV	Udder Overall gBV	Cow Calving Difficulty BV	Cow Calving Difficulty Rel.	Gestation Length BV	A2 Protein	Price (+GST)
504522	Southwind **Jarmo**	57	98	17	11	404	-18	-6.5	0.04	-2.4	-0.15	-0.01	-0.19	-1.4	92	-2.1	A1A2	$9.95
511597	Southwind Jacks **Quintin**	40	98	10	4	318	17	-1.7	-0.14	3.8	0.51	0.59	0.18	-1.7	95	-5.9	A1A1	$9.95
518509	Iwa **Dynasty**	29	80	23	14	439	21	-13.6	-0.24	1.0	0.22	0.21	-0.05	1.0	51	0.3	A2A2	$9.95
513521	Sanrosa **Deacon** ET	20	98	21	22	688	25	-13.6	0.17	1.3	0.12	0.10	-0.19	-1.0	95	-2.6	A2A2	$9.95
508505	Lodore **Blake**	-1	95	15	8	654	-9	-9.1	0.27	0.2	0.42	-0.03	0.12	-1.0	77	3.5	A1A1	$8.95
504534	Carmelglen **Brody**	-35	99	9	7	350	41	-5.3	-0.01	0.1	0.70	0.34	-0.12	-0.3	97	1.4	A2A2	$8.95
517512	Lodore **Stamina**	-39	73	6	5	174	7	-7.2	0.27	-0.6	0.12	0.01	-0.07	-0.5	65	0.3	A2A2	$8.95
518511	Thornton Park Pets **Expres**	-89	75	11	6	468	55	-11.4	0.15	-0.9	0.67	0.79	0.79	0.0	48	-3.7	A2A2	$8.95

515600 Bjerring **BJ Curveball**

Milking Shorthorn
Registered Pedigree
A1A1

Breeding Details			
Breeder	W & C Bjerring	**Dam**	Landlyst 04-3 SOS
Sire	Birchlands Eccles ET	**MGS**	Te Kiripi Astronaut MR2

Individually $19.00 +gst

519698 Brecon **Eduardo** P

Milking Shorthorn
Registered Pedigree (Supplementary)
A1A2

Breeding Details			
Breeder	Red Cow Farms Ltd	**Dam**	Brecon ND Eliza S1S
Sire	Brecon Bart S1S	**MGS**	Northbrook Duncan S0S
Blend	SHM 8, FRI 4, SWR 2, NWR 1		

Individually $17.00 +gst

520563 Brecon **Harvard** P

Milking Shorthorn
Registered Pedigree (Supplementary)
A2A2

Breeding Details			
Breeder	Red Cow Farms Ltd	**Dam**	Brecon GTH Hope S0S
Sire	VR Hel P	**MGS**	Brecon Goliath S0S
Blend	DAR 8, FRI 4, SWR 2, SHM 1, NWR 1		

Individually $17.00 +gst

522532 Brecon **Miro** S0S

Milking Shorthorn
Registered Pedigree (Supplementary)
A2A2

Breeding Details			
Breeder	Red Cow Farms Ltd	**Dam**	Brecon BNK Miranda S0S
Sire	VR Viking Viljar Vario	**MGS**	Brecon Ned Kelly S1S
Blend	SHM 4, FRI 1, SWR 3, AYR 8		

Individually $17.00 +gst

520559 Capri

Brown Swiss

Registered Pedigree (Germany)

Breeding Details			
Sire	Cadence	**Dam**	Graefin
MGS	Vanpari	**A2**	A2A2

Individually $20.00 +gst

521567 Helau

Brown Swiss

Registered Pedigree (Germany)

Breeding Details			
Sire	AG Hebron	**Dam**	Amelda
MGS	Julau	**A2**	A2A2

Individually $20.00 +gst

522573 Caleidos Pp

Brown Swiss

Registered Pedigree (Germany)

Breeding Details			
Sire	Cadence	**Dam**	Evita
MGS	Viper	**A2**	A2A2

Individually $20.00 +gst

523430 Ansgar

Brown Swiss

Registered Pedigree (Germany)

Breeding Details			
Sire	Andaman	**Dam**	Donni
MGS	Hegall	**A2**	A2A2

Individually $20.00 +gst

What is HoofPrint®?

LIC has developed HoofPrint index to provide farmers with an indication of the predicted environmental footprint of LIC's dairy genetics.

Enteric methane emissions and urinary nitrogen excretion from cattle are two of the major contributors to the environmental impact of dairy production in New Zealand. It is extremely difficult to measure and assess actual emissions and excretion in pasture-based systems. Therefore, a modelling methodology has been used to quantify the expected emissions and excretion.

How does the model work?

The modelling uses seven breeding values (BVs) for each animal. These BVs are used to calculate the expected levels of production, calving events, and removals. These BVs are:

1. Liveweight
2. Milk Volume
3. Milkfat
4. Protein
5. Fertility
6. Functional Survival
7. Gestation Length

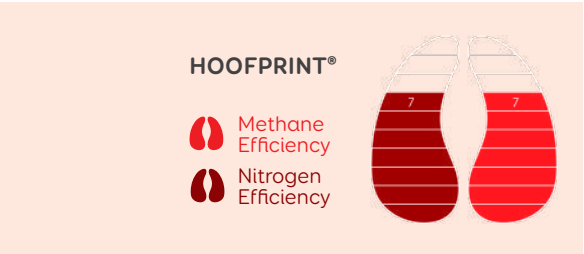
The model's calculations for energy requirements, partitioning and emissions were based on the 'Methodology for calculation of New Zealand's agricultural greenhouse gas emissions' (the inventory). An understanding of an animal's energy requirements was used to estimate dry matter intake from which emissions and excretion were calculated. In the inventory, energy requirements refers to the amount of energy needed for an animal to survive (maintenance), produce (i.e. milk, meat), and conceive (pregnancy). The inventory model assumes the animals' energy requirements are met by a pasture-only diet with no supplementary feed use. However, LIC conducted additional modelling involving supplementary feeds and found only very minor changes in model output – suggesting HoofPrint to be representative of most feeding systems.

Reference Base population:

The reference population for the HoofPrint index includes over 4,000 NZAEL-registered bulls born since January 2012. Beef and SGL Dairy® bulls are excluded. LIC's sires have been rated on their emission and excretion values per kilogram of milksolids relative to this reference population.

Ranking system:

The ranking system is from 10 to 1 with 10 being the best (lowest environmental impact per kg product) and 1 being the poorest ranking (highest environmental impact per kg product). The distribution of ratings for the bulls in the reference population can be seen below.



10	Top 2 %
9	Top 7 %
8	Top 17 %
7	Top 32 %
6	Top 50 %
5	Bottom 50 %
4	Bottom 32 %
3	Bottom 17 %
2	Bottom 7 %
1	Bottom 2 %

In the example, this bull ranked at 7 for both Methane Efficiency and Nitrogen Efficiency is in the top 32% of bulls born since January 1st 2012.

Animal Evaluation

The method of ranking New Zealand dairy animals is known as Animal Evaluation, and the national system is governed by New Zealand Animal Evaluation Ltd (NZAEL).

The three main features of Animal Evaluation are:

- Across breed evaluations – evaluations produced by the system allow animals of all breeds to be compared on the same basis.
- Accuracy – all available information on an animal's relatives, plus all of its own records, are used in calculating its evaluation.
- Breeding animals for profit and efficiency – animals are ranked according to their ability to convert feed into profit. This allows you to identify your most (and least) profitable and efficient animals and increase the money-earning potential of your herd.

There are two types of evaluations calculated for New Zealand dairy animals:

1. Trait evaluations

Trait evaluations are a measure of an animal's genetic merit (Breeding Values), lifetime productive ability (Production Values), and current season productive ability (Lactation Values) for individual traits, Currently breeding values are generated from milkfat, protein, volume, liveweight, survival, somatic cells, fertility, body condition score, calving difficulty in cows and heifers, gestation length and traits other than production (conformation and management traits).

2. Economic evaluations

Economic evaluations combine an animal's individual trait evaluations into a measure of its ability to convert feed into profit through breeding replacements (Breeding Worth), lifetime production (Production Worth) and current season production (Lactation Worth).

LIC's Genomic Animal Evaluation system

In addition to the outputs of the national system, LIC operates its own animal evaluation system. LIC's evaluation incorporates all the same pedigree and phenotypic information as the national system but also incorporates genomic data.

This results in more accurate predictions of an animal's genetic merit and is shown throughout the catalogue as gBW and gBV.

Genomic Breeding Worth

Genomic Breeding Worth (gBW) can be used as a guide for selecting a team of bulls to breed the most profitable and efficient replacements.

A Genomic Breeding Worth (gBW) of 220/84 indicates the bull is expected to generate an extra $220 profit per year, through breeding replacements which are more efficient converters of feed into profit, above the base of 0.

A bull passes half his gBW to his immediate offspring. The other half is from the dam.

Reliability

In 220/84 %, the 84 % represents the reliability of the 220 gBW.

Reliability is a measure of the amount of information which has contributed to an evaluation.

The more ancestry records, herd tests, liveweight records, progeny information and genomic data included in the evaluation, the higher the reliability or confidence we can place in the gBW figure, and the less likely it is to change with additional records.

Reliability ranges from 0, meaning we know nothing about the animal or any of its ancestors, to 99.

You should be cautious about using a bull with a gBW of low reliability, unless he is being used as part of a large team.

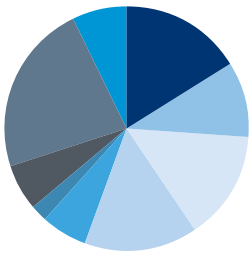
The Fertility Breeding Values and Breeding Worth displayed in this catalogue include the latest changes notified by New Zealand Animal Evaluation Limited (NZAEL) that were implemented in the March 2023 animal evaluation update. These changes include, updating Fertility to remove the impact of Gestation Length and the inclusion of Gestation Length Breeding Value into Breeding Worth, with both Fertility and Gestation Length having new Economic Values. Please refer to NZAEL website for more detail

The following table shows the indicative reliabilities for Genomic Breeding Worth of bulls with differing amounts of information:

Reliability			
Ancestry Records	Genomic Data*	Number of Progeny	gBW Reliability
Yes	No	0	35%
Yes	Yes	0	55%
Yes	Yes	20	70%
Yes	Yes	100	85%

* If includes animal's own genomic data

gBW is a combination of an animal's genetic merit for milkfat, protein, milk volume, liveweight, fertility, somatic cells, survivability and body condition score. The genetic merit of an animal for these individual traits is measured using Genomic Breeding Values (gBVs). Based on ancestry, genomic information, individual and progeny records, an animal's gBVs are calculated for each trait and combined into a gBW. Each gBV is allocated an economic weighting, the latest values are as follows:



- Protein - 16.2% / $5.21
- Milk Volume - 10.1% / $-0.0951
- Liveweight - 14.5% / $-1.38
- Fertility/Gestation - 15% / $6.24/$-0.82#
- Somatic Cell Score - 5.9% / $-42.98
- Functional Survival - 2.2% / $2.65
- BCS - 6.3% / $116.93
- Milkfat - 22.7% / $5.18
- Udders - 7.1% / $17.31*

* Note: for Udder Overall BV above 1.19, the dollar contribution to gBW is fixed at $32.64
#Note: for Gestation Length BV below -5 days, the dollar contribution to gBW is fixed at $4.10

The economic weighting placed on each trait is calculated using the predicted average prices of fat, protein and milk, minus the feed cost of producing them.

Your herd management reports will always show the latest information, so the sire information shown on a recent herd report, for example, may be more up-to-date than information published in other places.

Timetable for Animal Evaluation runs

Animal Evaluations are calculated every three to four weeks. This means it is virtually impossible for publications advertising dairy semen to be absolutely up-to-date. We recommend you check the evaluation date whenever you are looking at any sire information. If it is not a recent date, ask your semen supplier for the latest evaluation. Alternatively, visit the LIC website, which is updated automatically after each AE run (www.lic.co.nz or scan the QR codes), LIC updates it's genomic evaluation system in accordance with the NZAEL schedule below.

Timetable for Animal Evaluation runs		
21 April 2023	18 August 2023	27 October 2023
19 May 2023	15 September 2023	10 November 2023
23 June 2023	6 October 2023	8 December 2023
28 July 2023	13 October 2023	

Alpha® Information

Alpha® allows you to breed a herd to optimise your breeding objectives by hand picking sires that best fit your criteria. We offer some of the highest-ranking bulls for production, management and type, and to suit farming systems from variable milking to High Input.

Daughter Proven

Daughter Proven bulls are selected from the Sire Proving Scheme, and have proofs produced from the first lactation of their daughters in herds across New Zealand.

Genomically Selected

Genomically Selected bulls are selected based on their DNA profile and ancestry information.

Selecting the bulls in this way, rather than waiting for information gathered from the performance of their daughters, shortens the generation interval by 3-4 years leading to greater rates of genetic gain.

The data gathered from the DNA, once added to the ancestry information, gives genomic sires a reliability of around 55%. This is a much more reliable estimate of their genetic merit than the 35% reliability figure we see for an unproven bull, but below the 82% reliability figure we see for a daughter-proven bull with 80 or more daughters in his proof.

What the 55% reliability figure means is that we can expect more movement within an individual bull's proof (up or down) when his daughter's information starts to come in. It is for this reason we recommend the use of at least 10 genomically selected sires to ensure a team effect and balance out any individual bull movements.

Alpha® discounts

Volume discount (applies at time of dispatch)

The table below shows the volume discounts applied for Alpha® frozen semen. Discounts apply to all product types (Classic Packs, Genomic Packs, Beef Packs, Short Gestation Packs, etc) and will be applied according to the volume of your order at time of dispatch.

For example, if you order 720 straws you would qualify for the 7% discount for that order when dispatched. If you later order another 200 straws, that order would qualify for the 2% discount. To obtain the best discount possible, order all your semen requirements so they are dispatched at the same time.

Genetics InvestaMate discount

To qualify for the InvestaMate discount, the number of Premier Sires® and/or Alpha® straws purchased in the season must be greater than, or equal to, 95% of qualifying animals (female animals born prior to 31 December 2021 billed at the time of October charging).

For example, if you had 400 qualifying animals billed in October then you would need to purchase 380 straws or more within the season to qualify for an InvestaMate discount.

The discounts are as follows:

3% discount applied in the first year of qualification - applied as a credit in March following the season's mating

5% discount will be applied in second year of qualification - applied at time of charging

10% discount applied in third and subsequent years of qualification - applied at time of charging

Alpha® volume discount			
No. of straws	Discount	No. of straws	Discount
100-199	1%	600-699	6%
200-299	2%	700-799	7%
300-399	3%	800-899	8%
400-499	4%	900-999	9%
500-599	5%	1,000+	10%

You will move up or down the InvestaMate scale each season depending on whether the 95% threshold was met in the previous season.

Please note: your straw purchase can be made up of any combination of Premier Sires® or Alpha® straws. Premier Sires Fresh Sexed and Sire Proving Scheme inseminations contribute towards the 95% of qualifying inseminations but the discount does not apply to these products.

Calving Difficulty Breeding values

The information is supplied to assess the suitability of bulls for mating with cows and with yearling heifers and to give farmers knowledge about bulls which may cause higher than usual rates of calving assistance. The breeding values (BV's) have now been split between calving assistance over cows and over yearling heifers.

Cow calving difficulty

Cow calving difficulty breeding value for a sire is calculated from the difficulty its progeny has being born from a three-year-old cow or older, and is expressed as a percentage of assisted calvings expected when compared to a bull of 0.

Heifer calving difficulty

Heifer calving difficulty breeding value for a sire is calculated from the difficulty its progeny has being born from a two-year-old cow, and is expressed as a percentage of assisted calvings expected when compared to a bull of 0.

Calving Difficulty Reliability

The accuracy of heifer and cow calving difficulty will vary depending on the age of the sire and on how widely used he has been within the industry, young sires generally will have a low reliability compared to an older sire. Reliability figures will also vary between the heifer calving difficulty BV and the cow calving difficulty BV depending on his use over those cohorts of animals. It is highly recommended that farmers utilise the reliability figures of the calving difficulty BV's when making breeding decisions around calving difficulty. For example reliability figures around 30% would indicate there is little more information above parent average feeding into the breeding value, and figures over 60% would indicate there would be a minimum of 100 calvings feeding into the BV.

Inbreeding and Recessive Gene Protection

Clients using an LIC AB Technician have access to DataMATE® technology, which will warn against potential inbreeding and recessive genes. DIY clients can order a DIY mating report from their Agri Manager. You supply a list of bull codes of the sires you plan to use over your herd, and the report identifies any cows that are closely related to these bulls, or have a risk of being a carrier. The report only shows the cows affected along with the codes of the bulls that cow should not be mated to. Alpha's Customate® Plus programme also incorporates protection for inbreeding and recessive genes.

CVM (Complex Vertebral Malformation)

The genetic defect CVM in dairy cattle (found only in Holstein-Friesian and crossbred animals to date) is caused by a single locus recessive gene. If a CVM-positive bull is mated with a CVM-positive dam, the expectation is that one out of four of the offspring will die before, or just after, birth as the result of CVM. It is considered possible that CVM causes not only stillbirths and malformations, but also embryonic mortality and abortion.

Fertility 1, 2, 3 & 4

Fertility 1, 2, 3 & 4 are genetic variations which is one of the causes of dairy cows being empty through the loss of their pregnancy. The variations affect fertility and calf survival. Animals are thought to die in utero or stillborn. No live animals have been seen with the variation.

The fertility genes are recessive genetic variations which means that both the sire and dam need to have a copy of the genetic variation before a calf will be affected. Fertility 1 variation is present in 3% of Jersey animals and 1.5% of crossbred animals. Fertility 2, 3 & 4 are present in about 2% of the Holstein-Friesian population and 1% of the crossbred.

If using LIC Tech service Datamate will minimise the frequency of carrier to carrier matings.

Small Calf Syndrome (SCS)

Small Calf Syndrome is a recessive genetic variation which can result in affected calves showing a smaller appearance at birth or as they grow out. SCS needs both sire and dam to carry a copy of the genetic variation in order for the progeny to have a chance of being affected (one in four chance of being affected from carrier to carrier matings).

This genetic variation has been in the New Zealand national herd since at least 1960 and it is estimated 0.25% of calves bred from Holstein-Friesian or crossbred animals are likely to have been affected by SCS.

LIC has a policy to ensure that no new bulls entering the LIC Sire Proving Scheme will be SCS carriers. Combine this with the use of DataMATE to minimise carrier to carrier matings and affected calves will reduce to almost zero over time.

New releases

During the year, additional bulls that have not been catalogued may become available. Please visit LIC's website for the most up to date information, or speak to your Agri Manager.

AB Technician Service

The LIC AB Technician service is a simple, door-to-door service that makes AB easier.

Why use an LIC AB Technician?

When you choose LIC's technician service, you get the peace of mind of knowing that you are using skilled professionals for a first-class AB service, backed by both DataMATE and our Low Group Policy.

AB Technician Service for Alpha semen

A sliding volume discount is offered on the insemination of all Alpha® semen.

LIC AB Technician Service Volume Discount - LIC Straws	
No. of Inseminations	Price
1 - 300	$8.05 + GST
301 - 600	$7.75 + GST
601 +	$7.40 + GST

For example, if you were to use the AB Technician Service for 720 Alpha inseminations, you would be charged as follows:

First 300 inseminations at $8.05 each ($2,415 + GST); second 300 inseminations at $7.75 each ($2,325 + GST); third 120 inseminations at $7.40 each ($888 + GST) = a total of 720 inseminations at $5,628 + GST.

Non-LIC straw inseminations are $10.10 + GST per insemination.

AB Equipment

DIY AB Supplies		
Product	Unit	Price +GST
AB Insemination Gloves - Full length, disposable	Pkt 50	$33.00
Insemination Wipes	Pkt 100	$14.00
AB Lubricant	2 litre	$18.00
Sheaths Clear Tip	Pkt 50	$8.85
Sheaths Green Tip	Pkt 50	$8.50
AB Inseminators Stainless Steel GGI	Each	$95.00
Tweezers	Each	$15.60
Scissors	Each	$12.20
LN2 Measuring Stick	Each	$3.36

Heat Detection Aids

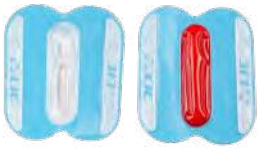
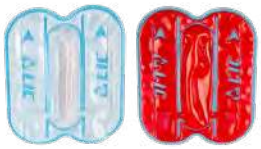
LIC has a range of cost effective heat detection aids that are designed to help farmers identify more cows in heat, improving heat detection accuracy and enabling better timing of AI services.

The best heat detection results are achieved by combining paddock observation with heat detection aids.

- Dairy NZ InCalf book.

Just one missed heat costs around $349.86* in lost production at today's milk price, so when the heat is on our range of products makes picking heats that much easier.

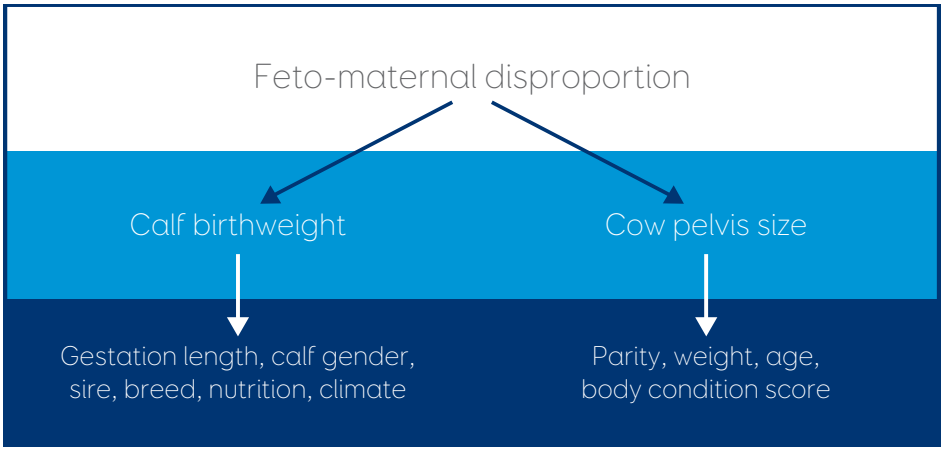
*(21 days less in milk X 1.96kgMS/day in peak lactation = 41.16kgMS lost) 41.16kgMS X $8.50 = $349.86

Product	Features	Benefits
 **LIC Bulls-i®** (Starting from $2.05**)	• Self-adhesive • Available in five colours: Red, green, yellow, pink and blue • Sold in multiples of 50	• No need to spend time gluing the cow or the heat patch • 5 colours allow for multiple rounds of heat detection • Friction-based technology
 **LIC Heat Patch** (Starting from: $2.70**)	• Self-adhesive • Available in two colours: Red and blue • Built-in timing mechanism • Sold in multiples of 50	• No need to spend time gluing the cow or the heat patch • 2 colours, allow for multiple rounds of heat detection • 4-second time release technology helps to identify true standing heats
 **LIC Heat Patch Plus** (Starting from: $2.95**)	• Self-adhesive • Available in three colours: Red, blue and pink • Built-in timing mechanism • Channel and chamber technology • Sold in multiples of 50	• No need to spend time gluing the cow or the heat patch • 3 colours allow for multiple rounds of heat detection • 4-second time release technology helps to identify true standing heats • New technology allows the dye to bleed to the edges of the patch for greater visibility and prioritisation
 **KAMAR® Heatmount® Detectors** (Classic starting from: $2.65**) Peel'nGlue starting from: $2.80**)	• Available in classic and peel and glue options • Built-in timing mechanism • Available in two colours: Red and blue	• 4-second time release technology helps to identify true standing heats • 2 colours allow for subsequent heat detection

Prices exclude GST and are subject to change.
**Further volume discounts may apply.

Calving Ease and Gestation Length

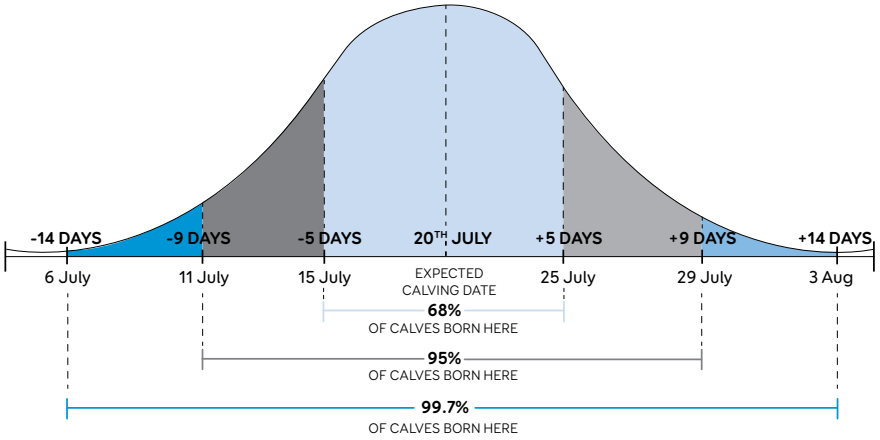
It is important to remember that whilst LIC selects for easier-calving sires and reports calving difficulty/calving ease breeding values where available, there is always natural variation within a trait. This means that even some of the easiest calving sires can still be associated with difficult calvings. The use of larger breeds (i.e. beef) can increase the risk of calving difficulty, but a number of factors also influence this:



* Image credit to Agrisciencer (2019), sourced from https://www.agrisciencer.com/post/calving-difficulty-in-dairy-cattle-genetics

Relative to other genetic traits, gestation length is quite heritable. Despite this, there is significant natural variation in gestation length. Based on New Zealand research:

- 68% of calves will be born within ±5 days of their expected calving date
  For example, if 100 heifers were expected to calve on July 20th, 68 of them should calve between July 15th and July 25th.
- 95% of calves will be born within ± 9 days of their expected calving date
  For example, of those same 100 heifers expected to calve on July 20th, 95 of them should calve between July 11th and July 29th. The remaining five heifers would still be expected to calve outside of this window due to normal biological variation.



2023

Beef

Spin for Beef