



2021 Sire Catalogue

There's always room for improvement

GM INTRO



Mark Ryder

There's never been a more important time to secure your future as a dairy farmer. Not only have we faced the challenges that Covid-19 has thrown at us, and continues to do so, but the impacts to Ireland's ag industry from Brexit remain unclear.

In both cases we're moving into uncharted waters, an ocean that will shape the future of farming in a global marketplace. And while there are many more challenges for us to face, some yet to be recognised, LIC Europe plans to strengthen its partnership with farmer customers and continue to do all it can to follow the principles of profit - focusing on fertility, longevity, health, welfare and the environment.

We will continue to leverage off our massive investment in herd improvement in NZ to ensure the profitability of our Irish farmer partners. With our farming systems being so similar, most of what we do in NZ can be replicated on Irish farms and deliver the same compounding value. We see the results of this every day in discussions with our long-term customers in Ireland. We are also constantly welcoming back farmers who have swayed from the path and are able to clearly identify the value they have lost.

It has been very interesting to note the activities of our competitors over the autumn where they are approaching our customers with elite crossbred cows and looking to contract them even though they are in calf to LIC genetics. We see this as a very strong signal that what we have been delivering for a long

time is now being realised for the real value it provides. These elite crossbred cows have been identified by Teagasc after screening the national herd. Of course farmers using our genetics will be unable to enter into these contracts but it vindicates the belief and trust you have invested in us. And with our own bull programme now in full swing screening both BW and EBI, these bull calves will continue to contribute to and benefit the Irish industry. See page 54 for more detail around our Irish programme.

Nothing changes, herd improvement is a numbers game and when you have 4.9 million cows with 80% milk recorded, it's a huge advantage that helps you to produce great bulls from elite cows. This results in performance improvements on farm and across the industry annually. Irish farmers that have engaged with us over the years have benefited in the same way. LIC's approach to genomics has always been with our shareholders profitability in mind. It is only now since we have our Single Step Animal Model in place that our genomic teams will get wider use by NZ farmers. This model means that we are able to provide improved reliabilities with the likelihood of farmers seeing greater rates of improvement on farm.

We're looking forward to launching HoofPrint™, a new index that provides farmers with an accurate insight on bulls that have the potential to breed progeny for dairy herds with a lighter environmental footprint. LIC is continually striving to keep step with increasing demands to reduce environmental impacts. This system ranks bulls, born since 1 January 2009, on a scale of 10 to 1, with 10 being the strongest in terms of having the lowest environmental impact per kg of milk solids produced. This enables Irish farmers to make more informed decisions about the environmental efficiency of the milk they produce. Find out more information on page 8.

And now that we've completed nearly two years with our sexed semen offering, we can see that demand will only grow based on the results we're capturing. We need to work hard to ensure we continue to sex only the best bulls. Our Irish bull breeding scheme, is set to expand significantly in the next year as we gear up to be able to

provide greater sexed volumes. We have the unique opportunity to screen these bulls on both gBW and gEBI and know that they have come from elite Irish cows performing right here in Ireland. As the strategic use of sexed semen grows, the need for quality and fit for purpose beef solutions does too. We have been working hard with our NZ team to bring those same proven solutions that we use in NZ to our farmers here. We will have an expanded offering of the next generation from the Shrimptons Hill Hereford stud along with a team of Angus from our Rissington partnership. These lines focus on the keys of calving ease, and short gestation length (SGL) to maximise the days in milk.

Covid-19 caused some serious concerns for us as disruptions to shipments of straws from NZ couldn't have come at a more critical time. However, it was very satisfying to see how everyone pulled together and I mean everybody, from the despatch team in NZ to clearing agents, vets, Eurogene, the LIC Ireland team and last but definitely not least, the customers who were patient and flexible as we worked through the massive task of delivery.

None of us know what the 'new normal' will bring, but rest assured that LIC remains committed to working alongside you to help secure your business and run an efficient, cost-effective and environmentally sound operation.

Thanks to all of our Irish farmers and business partners who have helped us to grow in Ireland and we look forward to growing some more together this year.

Mark Ryder
General Manager

LIC Europe

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MORE THAN EVER BEFORE



LIC's Premier Club is about going the extra mile to support your farming business. As a member you will have access to top LIC genetics never before available in Ireland. You will also become part of a community, where like-minded farmers, dairy specialists, useful tools and special offers are available to help add value on your farm.

Exclusive member benefits:

- Access to LIC's Premier Club Bulls
- The option to receive tailored email tips from LIC's 6-week in-calf challenge
- Access to LIC training resources and tools
- Support and information from dairy industry experts
- Entry to LIC Premier Club competitions and prize draws
- Offspring that meet criteria set by LIC Ireland will be considered for LIC's Ireland Breeding Programme

UNDERSTANDING NEW ZEALAND BULL DATA

Across all Breed Evaluation

The bull data in this catalogue is displayed across all breeds; this is in line with how New Zealand Animal Evaluation Limited (NZAEL) and LIC rank New Zealand dairy animals.

Because many LIC customers here in Ireland and around the world select genetics from multiple breeds for optimal herd performance, it is important for farmers to understand how an animal should perform within the whole herd, not just within one breed of the herd.

LIC believe that an across all breed evaluation is the best tool to help you make breeding choices geared toward making your herd the most profitable it can be.

Base Cow

The New Zealand Base Cow is the genetic reference point from which Breeding Worth (BW) and Breeding Values (BV) are measured for all New Zealand dairy cattle.

All of the bull information in this catalogue is recorded relative to the 2005 Base Cow – the average of 21,585 cows born in the year 2005 – whose production and TOP (traits other than production) data has been set to zero. Each cow has been TOP inspected and milk recorded at least four times to deliver an accurate result.

Base Cow Production

Production is reported on their 270-day lactation yields relative to 5T Dry Matter:

Fat kg	218	Volume (litres)	4595
Protein kg	174	Liveweight (kg)	500

Traits Other than Production

Assessing the Animal

Traits Other than Production (TOP) refer to the behaviour, temperament and physical attributes of a cow and are scored separately on a scale from one to nine. The four farmer-scored and 14 inspector-scored TOP traits are considered most important in relation to the overall requirements of dairy farmers. TOP records from two year-old animals are used for sire evaluations.

1	2	3	4	5	6	7	8	9
← Undesirable			Average		Desirable →			

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.

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

FARMER SCORED MANAGEMENT TRAITS		Low Score	High Score	Base Cow Average
Sire Proving farmers score two-year-old heifers on the four farmer traits				
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 distance between the pins bones, relative to size of the animal	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
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

HOW TO READ A SIRE PAGE

gBW/Rel

Using this bull at a gBW of 274 indicates that per 5T DM the replacements are expected to generate NZD 274 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 bull's gBW. The higher the reliability, the less movement is expected with his gBW.

Milk

A gBV of 751 litres indicates the bull daughters will on average produce 376 litres more than the base cow per 5T of dry matter consumed. Remember the gBV is across breeds so Jersey and Crossbred animals may show a negative gBV.

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 37,500 bulk milk count. The lower the SCC BV the better as you want to reduce the bulk milk SCC.

Fertility

A gBV of 1.3% indicates that 0.7% 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 and shorter calving interval than dairy industries worldwide, with a calving interval of 369 days and 6 week calving pattern of 84%.

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 country's genetic base.

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 is usually positive.



Daughter of **LANCELOT**

FR5920 GORDONS AM EBI/REL
LANCELOT S3F **169/61%**

IRELAND VALUES

Milk Prod SI	108	Survival	1.43
Fertility SI	31	Cow Calving Difficulty	2.31
Calving SI	29	Heifer Calving Difficulty	6.21
Beef SI	-37	Somatic Cell Count	0.07
Health SI	-3	Milk kg	28
Maintenance SI	34	Fat kg/%	16/0.26
Management SI	8	Protein kg/%	13/0.21
Calving Interval (days)	-1.02	Pedigree Status	SRM

NEW ZEALAND DETAILS 2674 NZ Daughters

gBW/Rel **274/95%**

Breeding Details	
Split	F16
Sire	ALJO TEF MAELSTROM-ET S3F
MGS	MACFARLANES DAUNTLESS
MGGS	MITCHELLS NOTEWORTHY S1F

Milk	751	Milkfat	42 / 4.9	Protein	45 / 4.1
Somatic Cell Count	0.05	Cow Calving Diff	1.2 / 97	Heifer Calving Diff	1.6 / 73
Gestation Length	-1.9	Body Condition	0.11	Total Longevity	479
Fertility	1.3	Liveweight	36	Survival	60

NZ Evaluation Data 136 Daughters TOP Inspected

Management	BV	-0.5	0	0.5	1.0
Adapts to Milking	0.37				
Shed Temperament	0.30				
Milking Speed	0.14				
Overall Opinion	0.25				
Conformation	BV	-0.5	0	0.5	1.0
Stature	0.57				
Capacity	0.54				
Rump Angle	0.30				
Rump Width	0.49				
Legs	-0.01				
Udder Support	0.47				
Front Udder	0.48				
Rear Udder	0.18				
Front Teat Placement	-0.01				
Rear Teat Placement	0.54				
Udder Overall	0.26				
Dairy Conformation	0.59				

LIC Initiatives

High Input	Once-A-Day	A2 Protein
1322	1299	A1/A1

HoofPrint™

New environmental measure. More info on pg 8



Protein and Milkfat

A gBV of 42 kg indicates that the bull will produce daughters which on average, are genetically superior to the base cow by 21 kg per 5T dry matter consumed.

Calving Difficulty

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

Longevity

A gBV of 479 days indicates the bull's daughters are expected to last in the herd for 240 days longer, compared to a bull of 0 days. The average number of New Zealand lactations is now 5.5.

Liveweight

A gBV of 36 kg indicates by using this sire over the average cow in New Zealand his daughters are expected to have a mature liveweight 18 kg heavier than the base cow of 500 kg. Because Genomic 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.

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 0.30 the raw score for his daughters on average is expected to be $6.28 + 0.15 = 6.43$ from a linear score of 9).



gBW/gBV are calculated by LIC

JERSEYS DELIVER THE GOODS



Picture courtesy of Alfie Shaw

Early results show New Zealand Jersey animals outperforming the top 1% EBI cows in Ireland according to data from the latest on-going trials at the world renowned Teagasc facility at Moorepark in Ireland. In addition, FXJ crossbreds were deemed to outperform both the three-way cross and Holsteins at their Clonakilty Research Facility.

The Next Generation herd was established at Moorepark in 2013, and the first phase of the project compared high EBI (elite) Holstein Friesian cows to those that represent the national average EBI. These elite animals are now said to be 10 years ahead of the national average.

A new dimension was added to the study in 2018 when high-EBI purebred Jerseys were included in the study. The Jersey females originated as heifers purchased in Denmark, embryos imported from New Zealand along with females from a small Jersey herd established by Teagasc some years ago, mostly NZ genetics. Looking at the two strains of Jersey, it soon became apparent that the NZ Jerseys were more suited

to the grazing-based system than the Danish Jerseys, with higher milk solids, higher body condition score and better longevity.

In Denmark dairy cows are mainly kept indoors all year round and fed a TMR ration. That's very different to asking a cow to walk to the paddock and graze down to 3 or 4cm every day. It highlights the importance of selecting cows that are bred for the system.

The early findings provide clear evidence of continued additive genetic gain in NZ. This is evidenced by both the production and fertility performances compared to that of previous studies conducted by Teagasc and is reflected by high EBI of the NZ Jersey cows in the study. This reinforces the value of NZJ as eminently suitable for cross breeding with (and complementary to) the HF to generate highly efficient and highly profitable dairy cows, particularly in the context of Ireland's pasture-based production system.

In terms of milk solids, the performance of the NZ Jersey was 12kg/cow less than the elite cows, but there was a difference in liveweight, with the Jersey's weighing an average of 406kg and producing 445kg MS/cow (1.08kgMS/kg LWT) and the elite cows

weighing 514kgs and producing 457kg MS (0.88kgMS/kgLWT).

The lighter Jerseys were stocked 9% higher at 3 cows/ha compared with 2.75 cows/ha for the Holstein Friesians. Concentrate levels were the same per cow.

When the production performance is extrapolated to a per hectare basis, the NZ Jerseys come out on top at 1,305kgMS/ha followed by the elite herd at 1,259kgMS/ha.

These results were recently published in Irish Farmers Journal and led the author to comment: "Whether you love them or hate them, these little Jersey cows at Moorepark are punching well above their weight. Their EBI is almost €40 behind the elite herd, yet they are whipping the socks off both Holstein Friesian groups in terms of production and they have good fertility."

According to a recent article in Irish Farmers Journal, written by Aidan Brennan, while all three breeds performed well, it was the Jersey crossbred that came out on top.

In the same article he presented data available from the Clonakilty study which showed no significant difference in milk solids production



Picture courtesy of Alfie Shaw

Moorepark Next Gen Elite Holstein Friesian v New Zealand Jerseys 2018 Summary

KEY POINTS:

- Elite EBI Holstein Friesians are 150kgs (36%) heavier than Jersey's, but only produce 16kg more Milk Solids
- 5% fewer Jersey's empty after 12 weeks breeding (3% v's 8%)
- Jersey's are 36% more efficient, 1.1 kgs MS/kg BW for Jerseys v's 0.8 kg MS/kg BW for Holstein Friesians
- Jersey's stocked higher @ 3.00/ha v 2.75/ha for Holstein Friesians
- Elite EBI Holstein Friesians have a 25% higher body weight maintenance cost (+300kgs BW per ha).
- Jersey's held a 0.2 higher BCS throughout lactation.
- Jersey's had less mastitis.

Figures from Seamus O'Loughlin

per cow between the Jersey-cross at 469kgMS/cow and the Holstein Friesian at 460kgMS/cow. But the three-way crosses produced significantly less than the Jersey-cross at 453kgMS/cow, he wrote. The potential to carry more Jersey-cross cows per ha was not considered, however.

Fertility performance was excellent across all three breeds but was particularly exceptional for the Holstein Friesian who recorded an average of just 3% empty after 23 weeks of breeding with the other two groups recording 7%.

"Despite this excellent performance for the Holstein Friesian, the Jersey crossbred was still more profitable, even on a per cow basis," wrote Aidan. "Where cow numbers are fixed, net profit per cow in the grass and clover swards came out at €938 for the Jersey crossbred, €926 for the Holstein Friesian and €890 for the three-way cross."

"As more and more evidence emerges from the Moorepark trials that the Jersey and crossbred cows are outperforming their high EBI herd mates in Ireland, we're predicting significant growth in demand. And it

becomes more and more critical that we're able to service that demand," says LIC Europe general manager Mark Ryder.

"It's refreshing to see some neutral science-based analysis being produced. This is very much in line with what we're seeing on farm in NZ, Ireland and the UK, and won't come as a surprise to our customers but it's great to see this being formally realised by true scientific research.

"We're really pleased to be able to report on this work from such an esteemed research facility as Moorepark. The results confirm

what we've been telling Irish and UK farmers for many years, yet some producers have remained concerned about the Jersey influence in their dairy herd. Now they can go ahead and buy Jersey and crossbred semen, conventional or sexed, and use it with total confidence when they're looking to secure their future."

WHAT IS HOOFPRITM?

LIC has developed the HoofPrintTM index to give you, the farmer, an indication of the predicted environmental footprint of the various genetic products.

Enteric methane emissions and urinary nitrogen excretion from dairy cows are two of the major contributors to the environmental impact of dairy production in New Zealand. It is extremely difficult and expensive to measure and assess actual emissions and excretion from dairy cows in a pasture based system. Therefore, a modelling methodology has been used to quantify the expected emissions and excretion.

How does the model work?

The modelling uses six individual Breeding Values for each animal. These BVs are used to calculate the expected levels of production, calving events, and removal. These BVs are:

1. Liveweight
2. Milk Volume
3. Milkfat
4. Protein
5. Fertility
6. Total Longevity

Calculations for energy requirements, partitioning and emissions were based on the 'Methodology for calculation of New Zealand's agricultural greenhouse gas emissions'.

An understanding of an animal's energy requirements was used to estimate dry matter intake from which emissions and excretion are calculated. In the inventory, energy requirements refers to the amount of energy that is needed for an animal to survive (maintenance) and produce animal products such as milk, meat, and conceptus (pregnancy). The inventory model currently assumes that dairy cattle consume only pasture to satisfy their energy requirements, and no supplementary feed is used.

Reference Base population:

The HoofPrintTM ranking system has only been applied to dairy breeding bulls and therefore the base population too is only made up of dairy bulls index. To ensure the values reflect the current genetic merit of the breeding animals available we have chosen to use a reference population of breeding bulls registered with NZAEL for AB service, born since 1 January 2009, excluding any beef and short gestation length dairy bulls. For 2020 this has created a reference population of 4415 bulls which are then rated based on their emission and excretion values per kilogram of milksolid.

Ranking system:

The ranking system is from 1 to 10 with 1 being the lowest ranking (highest environmental impact per kg product) and 10 being the highest (lowest environmental impact per kg product). To ensure only the very best bulls are able to achieve a 10 point rating only 2% of bulls in this elite reference population can be awarded a 10 point rating at any point in time. The distribution of ratings for the bulls in the elite reference population can be seen below. The distribution is symmetrical so 50% of the bulls will be ranked 6-10 points and 50% 1-5 points.

HoofPrintTM



10	Top 2 %
9	Top 7.5 %
8	Top 17.5 %
7	Top 32 %
6	Top 50 %
5	Bottom 50 %
4	Bottom 32 %
3	Bottom 17.5 %
2	Bottom 7.5 %
1	Bottom 2 %

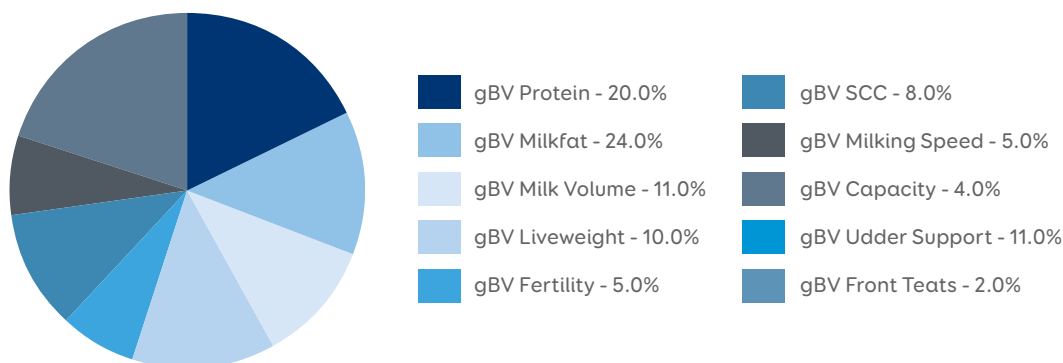
In the example, this bull ranked at 7 for both Methane Efficiency and Nitrogen Efficiency. It is in the top 32% of bulls born since January 1st 2009.

ONCE-A-DAY

LIC's Once-A-Day (OAD) index has been developed to help OAD farmers breed cows that persist throughout lactation and have longevity in the herd.

The index has a strong correlation to Breeding Worth (BW) as well as four functional traits that are required in a desirable OAD cow: Capacity, Udder Support, Front Teat Placement and Milking Speed.

The graph shows the weighting of the traits within the OAD Index, in addition to the existing eight traits of BW. Unlike BW & PW, the OAD index does not represent an economic value of the animal's productive performance or ability to breed profitable replacements.



Once-A-Day Team

NZ Bull Code	IRE AI Code	Bull Name	OAD	gBW / Rel	Protein kg	Fat kg	Milk volume (litres)	Fertility %	Somatic Cell Count	Capacity	Milking Speed	Udder overall	Page
Holstein Friesian													
116019	FR5944	WERDERS DE OVERTIME S1F *	1304	283 /87	32	45	399	1.5	0.45	0.17	0.17	0.54	18
115021	FR5920	GORDONS AM LANCELOT S3F *	1299	274 /95	45	42	751	1.3	0.05	0.54	0.14	0.26	19
119014	TBC	BUELIN BM EQUATOR S2F	1290	270 /61	31	52	621	4.2	0.06	0.51	0.14	0.59	23
117057	FR6736	MAIRE GL GRADUATE-ET	1258	231 /76	36	31	329	1.5	0.19	0.05	0.04	0.58	21
116118	FR5929	LIGHTBURN B MALBEC-ET S3F	1247	188 /85	33	31	502	1.8	-0.29	0.82	-0.29	1.19	19
116124	FR5923	SPRING TRALEE BEAT-ET S1F	1221	238 /91	33	28	535	1.4	0.14	0.42	0.48	-0.01	14
115043	FR4968	HYJINKS AM DEEJAY S1F	1214	174 /95	39	34	859	1.7	0.11	0.10	0.06	0.54	14
Jersey													
317023	JE6724	SHEPHERDS LT FLINT ET S3J	1398	409 /81	29	54	22	-0.7	0.00	0.50	0.23	0.61	28
316039	JE6238	ULMARRA TT GALLIVANT *	1294	328 /86	15	46	-248	2.6	0.04	0.64	0.08	0.62	28
317060	JE6727	PASPALUM OI LIMELIGHT *	1291	316 /77	11	28	-369	1.4	-0.14	0.33	0.10	0.85	31
315045	JE4989	GLENUI DEGREE HOSS ET *	1280	318 /87	8	32	-418	4.4	-0.30	0.29	0.20	0.63	29
315009	JE5061	RIVERVIEW AND DEXTER S2J *	1279	283 /86	19	28	-19	3.2	-0.18	0.61	0.32	0.68	30
317034	JE6721	HEUVEN SUPER WISEGUY *	1277	313 /78	16	37	-270	4.5	0.20	0.46	0.29	0.12	31
KiwiCross®													
517055	FR6733	TARAMONT SPRINGTIDE	1384	278 /78	45	53	909	-0.4	0.24	1.05	0.17	1.09	40
517043	TBC	GLEN KORU PROCLAIMER-ET *	1370	376 /78	38	57	579	2.1	-0.07	0.51	-0.11	0.36	38
517060	TBC	KEGZYS REMARKABLE	1369	337 /77	37	52	483	1.8	-0.44	0.48	0.10	0.57	39
516074	FR5989	CROSSANS CRITICAL-ET	1327	300 /89	39	39	963	3.3	-0.43	0.74	0.08	0.50	40
516066	TBC	WALTON INFERNO *	1319	320 /86	31	39	227	2.0	-0.53	0.31	0.15	0.34	41
517026	TBC	HOWSES SPRINGFIELD *	1318	312 /78	17	34	-297	4.4	-1.00	0.89	0.20	0.55	42

* Sexed semen is available for Single AI use only. See page 12 for more information.

14/11/2020

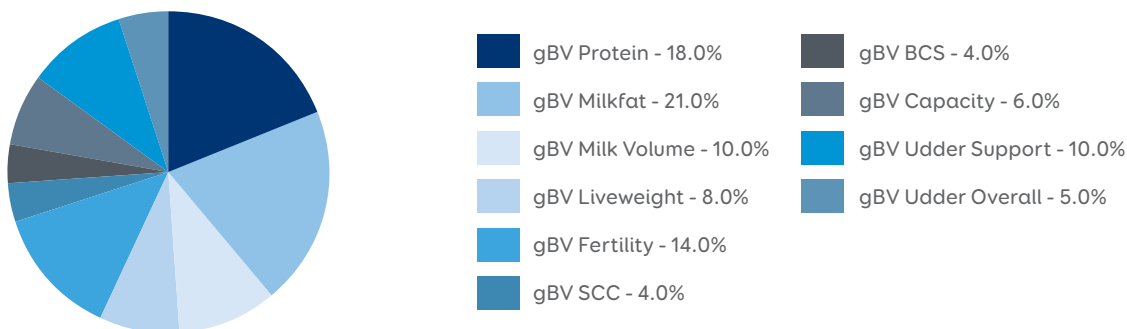


HIGH INPUT

LIC's High Input Index focuses on a range of traits as well as Breeding Worth (BW) to identify animals that are best suited to High Input systems. Those traits include Capacity, Udder Support, Udder Overall and Protein.

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

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



High Input Team

NZ Bull Code	IRE AI Code	Bull Name	High Input	gBW / Rel	Protein kg	Fat kg	Milk volume (litres)	Fertility %	Somatic Cell Count	Capacity	Liveweight	Udder overall	Page
Holstein Friesian													
119014	TBC	BUELIN BM EQUATOR S2F	1327	270 /61	31	52	621	4.2	0.06	0.51	45	0.59	23
115021	FR5920	GORDONS AM LANCELOT S3F *	1322	274 /95	45	42	751	1.3	0.05	0.54	36	0.26	19
116019	FR5944	WERDERS DE OVERTIME S1F *	1319	283 /87	32	45	399	1.5	0.45	0.17	-3	0.54	18
116118	FR5929	LIGHTBURN B MALBEC-ET S3F	1306	188 /85	33	31	502	1.8	-0.29	0.82	59	1.19	19
117057	FR6736	MAIRE GL GRADUATE-ET	1277	231 /76	36	31	329	1.5	0.19	0.05	26	0.58	21
115017	FR5926	LANGVELDS SRB VALOUR S2F	1251	189 /94	35	40	859	4.1	0.12	0.57	73	0.39	20
117035	FR6742	BELLAMYS MH GAMBIT-ET S2F	1244	238 /78	38	35	839	2.4	-0.03	0.40	54	0.28	22
Jersey													
317023	JE6724	SHEPHERDS LT FLINT ET S3J	1407	409 /81	29	54	22	-0.7	0.00	0.50	-32	0.61	28
314052	JE4516	CRESCENT EXCELL MISTY ET	1332	319 /87	5	32	-746	4.9	-0.34	0.97	-11	0.55	30
316039	JE6238	ULMARRA TT GALLIVANT *	1329	328 /86	15	46	-248	2.6	0.04	0.64	-12	0.62	28
315049	JE5100	KAIMATARAU TERRIFIC PUNCH	1317	263 /86	11	19	-308	4.7	0.15	0.76	-41	1.04	24
315045	JE4989	GLENUI DEGREE HOSS ET *	1311	318 /87	8	32	-418	4.4	-0.30	0.29	-37	0.63	29
317060	JE6727	PASPALUM OI LIMELIGHT *	1311	316 /77	11	28	-369	1.4	-0.14	0.33	-56	0.85	31
KiwiCross®													
517055	FR6733	TARAMONT SPRINGTIDE	1420	278 /78	45	53	909	-0.4	0.24	1.05	36	1.09	40
517043	TBC	GLEN KORU PROCLAIMER-ET *	1395	376 /78	38	57	579	2.1	-0.07	0.51	-2	0.36	38
517060	TBC	KEGZYS REMARKABLE	1386	337 /77	37	52	483	1.8	-0.44	0.48	17	0.57	39
516074	FR5989	CROSSANS CRITICAL-ET	1350	300 /89	39	39	963	3.3	-0.43	0.74	-10	0.50	40
517026	TBC	HOWSES SPRINGFIELD *	1342	312 /78	17	34	-297	4.4	-1.00	0.89	12	0.55	42
515025	TBC	SPEAKES SLIPSTREAM ET *	1341	299 /86	15	36	-73	6.3	-0.07	0.47	-3	1.09	45

* Sexed semen is available for Single AI use only. See page 12 for more information.

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SHORT GESTATION LENGTH

With a team of bulls selectively bred to shorten gestation length, the SGL product can help you to shorten your calving, increase days in milk, and give your cows longer to recover improving their chances of getting back in calf.

There is a range of SGL products available, one of them includes short gestation Hereford from leading breeders Shrimpton's Hill Herefords. These beef bulls breed white-faced offspring that you can easily identify in the herd. The graphics below display the bulls available along with key BV traits. More information about the breeders can be found on page 50.



SGL Hereford

LIC and leading Hereford breeders, Shrimpton's Hill Herefords, have developed Hereford bulls with a gestation length up to 9 days shorter than their breed average. These beef bulls breed white-faced offspring that you can easily identify in the herd.



SGL Aberdeen Angus

Angus cattle are a black beef breed that can be traced in Scottish history as far back as the 16th century. They are known for finely marbled meat, where the fat is dispersed evenly against the actual cut of meat. The marbling trait of Angus typically creates a tenderer, juicy flavourful meat compared to some other beef breeds. This year's bulls have an average short gestation length of -9.3 days.



SGL plus BW

SGL plus BW combines genetics for a shorter gestation with sound genetic merit so farmers can keep heifer calves as replacements. These SGL sires have been tested to ensure their traits are passed on to their offspring, with the purpose of improving the overall efficiency of your herd.

Available Bulls

NZ Bull Code	IRE AI Code	Bull Name	Gestation Length	gBW / Rel	Protein kg	Fat kg	Milk volume (litres)	Fertility %	Cow Calving Difficulty	Somatic Cell Count	Capacity	Udder overall	Page
Holstein Friesian													
116019	FR5944	WERDERS DE OVERTIME S1F *	-7.6	283 /87	32	45	399	1.5	1.8	0.45	0.17	0.54	18
119014	TBC	BUELIN BM EQUATOR S2F	-6.7	270 /61	31	52	621	4.2	-0.1	0.06	0.51	0.59	23
116036	FR6730	ARKAN MGH BACKDROP-ET S2F *	-6.6	225 /90	27	23	184	2.4	0.2	0.00	0.29	0.32	18
115048	FR4977	ZINKS GFB BACHELOR-ET S1F	-5.4	162 /87	32	28	804	1.5	-0.8	-0.19	0.60	0.31	22
115043	FR4968	HYJINKS AM DEEJAY S1F	-4.0	174 /95	39	34	859	1.7	0.1	0.11	0.10	0.54	14
Jersey													
312057	JE2438	BELLS CM CONRAD S2J	-6.7	231 /97	13	24	-129	6.3	-0.6	0.40	0.48	0.19	32
317034	JE6721	HEUVEN SUPER WISEGUY *	-6.4	313 /78	16	37	-270	4.5	-1.4	0.20	0.46	0.12	31
314012	JE4259	KAITAKA OI LEOPARD ET	-4.1	297 /93	3	28	-601	2.4	-0.5	-0.31	0.00	0.78	32
KiwiCross®													
513074	FR4527	SCHRADERS TUSK	-9.9	194 /91	16	18	259	4.5	-0.8	-0.19	0.08	0.30	34
517055	FR6733	TARAMONT SPRINGTIDE	-9.7	278 /78	45	53	909	-0.4	-1.0	0.24	1.05	1.09	40
516066	TBC	WALTON INFERNO *	-8.3	320 /86	31	39	227	2.0	-1.0	-0.53	0.31	0.34	41
516074	FR5989	CROSSANS CRITICAL-ET	-7.6	300 /89	39	39	963	3.3	-0.4	-0.43	0.74	0.50	40
511026	JE4270	ARKANS BEAUT ET	-6.6	220 /99	30	24	409	-0.2	0	-0.21	0.45	0.27	34
511011	ZSP	PRIESTS SIERRA *	-6.5	298 /99	29	45	444	3.9	0.1	-0.17	0.55	0.54	38

* Sexed semen is available for Single AI use only. See page 12 for more information.

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SEXED BULLS

NZ Bull Code	IRE AI Code	Bull Name	gBW / Rel	Milk volume (litres)	Fat Kg	Fat%	Protein Kg	Protein %	Somatic Cell Count	Fertility %	Total Longevity	Heifer Calving Difficulty	Cow Calving Difficulty	Liveweight
Holstein Friesian														
116019	FR5944	WERDERS DE OVERTIME S1F	283 /87	399	45	5.3	32	4.1	0.45	1.5	383	6.5 /42	1.8 /92	-3
115021	FR5920	GORDONS AM LANCELOT S3F	274 /95	751	42	4.9	45	4.1	0.05	1.3	479	1.6 /73	1.2 /97	36
116036	FR6730	ARKAN MGH BACKDROP-ET S2F	225 /90	184	23	5.0	27	4.2	0.00	2.4	723	-1.6 /69	0.2 /95	52
Jersey														
316039	JE6238	ULMARRA TT GALLIVANT	328 /86	-248	46	6.1	15	4.3	0.04	2.6	406	-1.5 /30	-2.1 /72	-12
315045	JE4989	GLENUJ DEGREE HOSS ET	318 /87	-418	32	6.0	8	4.4	-0.30	4.4	385	-1.6 /97	-0.8 /97	-37
317060	JE6727	PASPALUM OI LIMELIGHT	316 /77	-369	28	5.8	11	4.4	-0.14	1.4	489	-2.7 /46	-0.9 /65	-56
317034	JE6721	HEUVEN SUPER WISEGUY	313 /78	-270	37	5.9	16	4.4	0.20	4.5	278	-3.6 /55	-1.4 /76	-33
314004	JE5992	BELLS OI FLOYD S3J	286 /94	75	34	5.4	18	4.1	-0.22	1.6	522	-1.6 /98	-1.2 /98	-3
315009	JE5061	RIVERVIEW AND DEXTER S2J	283 /86	-19	28	5.4	19	4.2	-0.18	3.2	422	-0.6 /95	-0.1 /93	-22
KiwiCross®														
511011	ZSP	PRIESTS SIERRA	298 /99	444	45	5.2	29	4.0	-0.17	3.9	656	2.0 /99	0.1 /99	26
517043	TBC	GLEN KORU PROCLAIMER-ET	376 /78	579	57	5.3	38	4.1	-0.07	2.1	486	1.9 /77	0.2 /94	-2
517023	TBC	HORIZON BOULEVARD-ET	265 /80	819	49	4.9	44	4.0	0.19	-0.5	358	2.0 /82	0 /91	34
515068	FR4965	WOODWARDS SPOT ON	258 /85	205	38	5.3	22	4.1	0.01	1.5	385	-0.5 /98	0.1 /91	5
516066	TBC	WALTON INFERNO	320 /86	227	39	5.3	31	4.3	-0.53	2.0	422	-1.0 /64	-1.0 /82	-3
517026	TBC	HOWSES SPRINGFIELD	312 /78	-297	34	5.9	17	4.4	-1.00	4.4	539	-0.8 /95	-0.8 /93	12
517042	TBC	LUCK-AT-LAST INSPIRED-ET	287 /79	426	40	5.1	26	4.0	0.25	1.6	423	0.3 /97	-0.8 /89	-20
514018	JE4509	GLEN KORU EPIC	239 /89	187	26	5.1	28	4.2	-0.12	2.4	375	-1.3 /91	-0.5 /97	-2
515017	JE6007	LYNBROOK KARTELL	251 /85	79	28	5.3	25	4.3	0.20	2.9	301	-1.1 /98	-0.7 /94	-22
516015	JE5953	HYJINKS SNAPPER	235 /89	-112	24	5.4	7	4.0	-0.27	3.7	551	-0.3 /86	0.1 /92	-4
515025	TBC	SPEAKES SLIPSTREAM ET	299 /86	-73	36	5.6	15	4.2	-0.07	6.3	609	0.2 /98	-0.4 /92	-3
515062	JE5893	DUGGANS GAMEPLAN	301 /87	-557	36	6.3	10	4.6	0.06	0.9	248	-2.5 /92	-0.5 /91	-36

Sexed semen is offered for Single AI use only.

HF & JE BULLS RANKED ACCORDING TO gBW. KX BULLS RANKED ACCORDING TO BREED SPLIT - HIGHEST FR CONTENT THROUGH TO LOWEST

CONSIDERATIONS FOR USING SEXED SEMEN

To get the very best out of sexed semen on your farm, we recommend using a planned approach. Some suggestions include:

- mate heifers 10 days or more ahead of the main herd. You'll get early-born replacements and the returns can be mated again in the next round of AI
- avoid mix-ups by calving those in-calf to AI bulls separately to those in-calf to stock bulls
- be certain the cow is on full standing heat. If you're unsure, use a conventional straw
- use strict cow selection criteria for sexed semen matings. For example, young, high genetic merit, healthy, early-calved and cycling cows have better conception rates
- mate selected cows ahead of the herd's mating start date, or move the mating start date of the herd forward a day or two if necessary
- ensure underlying herd fertility performance is at a high level before considering the use of sexed semen and that AI best-practice is followed
- have plenty of stock bulls on hand to cover returning cows. For example, two teams of one bull to 30 non-pregnant cows if using a two-year-old bull, plus spares
- follow STgenetics® handling and insemination instructions for SexedULTRA 4M® sexed semen which can be found at lic.ie/products-services/sexed-semen/
- mate yearling heifers to sexed semen, as they have higher conception rates than in-milk cows. Choose bulls suitable for yearling mating and pregnancy scan early to identify those in-calf to AI bulls

Contact your local LIC Breeding Advisor for more information. They can work with you to estimate the potential impact of using sexed semen on your herd and create a variety of mating plan options to help achieve your goals.

Single A.I. Use Provision: The customer agrees that each straw of sorted semen purchased or otherwise acquired by LIC shall only be used by the customer for the single use artificial insemination of one female bovine with the intent to produce a single offspring, and not for in vitro fertilization or embryo transfer unless specifically approved on an individual customer basis by Inguran LLC. d/b/a Sexing Technologies® (Navasota, Texas, USA) in writing. STgenetics® and SexedULTRA 4M® are the trademarks of Inguran LLC.

Capacity	Udder Support BV	Udder Overall BV	Dairy Conformation BV	OAD Index	High Input	EB/Rel%	Milk Prod SI	Fertility SI	Maintenance SI	Health SI	Milk Kg	Fat Kg	Protein Kg	Fat %	Protein%	Breed Split	A2
0.17	0.68	0.54	0.31	1304	1319	154/55	109	20	24	-5	-39	20	11	0.37	0.22	F16	A2/A2
0.54	0.47	0.26	0.59	1299	1322	169/61	108	31	34	-3	28	16	13	0.26	0.21	F16	A1/A1
0.29	0.27	0.32	0.20	1167	1214	212/59	110	63	18	-2	-4	16	13	0.28	0.23	F15J1	A1/A2
0.64	0.31	0.62	0.62	1294	1329	244/57	136	55	57	2	-189	29	10	0.65	0.30	J16	A1/A2
0.29	0.49	0.63	0.34	1280	1311	244/66	105	91	57	7	-439	20	4	0.69	0.36	J16	A2/A2
0.33	0.72	0.85	0.42	1291	1311	164/55	118	18	45	4	-338	23	7	0.66	0.34	J16	A1/A2
0.46	0.06	0.12	0.41	1277	1298	243/54	122	68	52	2	-247	19	10	0.53	0.33	J16	A2/A2
0.74	0.48	0.57	0.66	1254	1297	233/66	127	54	52	3	-21	26	12	0.46	0.23	J15F1	A2/A2
0.61	0.46	0.68	0.59	1279	1304	215/65	122	48	55	8	-83	19	13	0.40	0.27	J16	A2/A2
0.55	0.65	0.54	0.69	1298	1329	199/95	101	62	18	-3	14	20	10	0.33	0.17	F11J5	A2/A2
0.51	0.40	0.36	0.45	1370	1395	192/54	129	43	33	-3	69	23	15	0.34	0.22	F11J5	A2/A2
0.92	0.40	0.47	0.75	1309	1333	228/49	139	46	38	-11	65	24	16	0.36	0.24	F10J6	A2/A2
1.18	0.34	0.40	0.90	1260	1297	201/61	114	74	41	-5	49	21	13	0.33	0.19	F9J7	A2/A2
0.31	0.28	0.34	0.38	1319	1322	195/57	80	58	57	9	-250	10	6	0.36	0.27	F9J7	A2/A2
0.89	0.68	0.55	0.70	1318	1342	211/53	118	41	56	12	21	21	13	0.35	0.21	F9J7	A2/A2
0.71	0.53	0.56	0.60	1291	1320	229/50	126	54	38	-5	81	22	15	0.33	0.21	F9J7	A2/A2
0.29	0.37	0.39	0.26	1245	1260	224/59	112	78	54	4	-29	15	13	0.28	0.25	J9F7	A2/A2
0.28	0.43	0.62	0.15	1262	1280	228/55	110	68	46	-4	-159	16	11	0.39	0.29	J8F7	A1/A2
0.48	0.89	0.63	0.47	1205	1255	210/57	108	66	30	0	-51	20	11	0.39	0.22	J9F7	A1/A2
0.47	0.94	1.09	0.52	1292	1341	195/62	88	51	25	5	-317	16	4	0.53	0.28	J10F6	A2/A2
0.22	0.44	0.66	0.30	1280	1294	209/64	109	34	55	-1	-405	19	6	0.64	0.37	J12F4	A2/A2

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SGL BEEF -9.5 DAYS

HAVE YOU SEEN
**LIC'S LATEST
BEEF OFFERING?**

Check out page 52

HOLSTEIN FRIESIAN DAUGHTER PROVEN

NZ Bull Code	IRE AI Code	Bull Name	gBW / Rel	Fertility %	Milk volume (litres)	Fat Kg	Fat%	Prot Kg	Prot %	Somatic Cell Count	Total Longevity	Cow Calving Difficulty / Rel	Heifer Calving Difficulty / Rel	Liveweight	Body Condition Score	Capacity
Holstein Friesian																
116019	FR5944	WERDERS DE OVERTIME S1F *	283 /87	1.5	399	45	5.3	32	4.1	0.45	383	1.8 /92	6.5 /42	-3	-0.10	0.17
115021	FR5920	GORDONS AM LANCELOT S3F *	274 /95	1.3	751	42	4.9	45	4.1	0.05	479	1.2 /97	1.6 /73	36	0.11	0.54
119014	TBC	BUELIN BM EQUATOR S2F	270 /61	4.2	621	52	5.2	31	3.9	0.06	463	-0.1 /73	1.4 /36	45	0.06	0.51
116124	FR5923	SPRING TRALEE BEAT-ET S1F	238 /91	1.4	535	28	4.8	33	4.0	0.14	458	0 /84	1.5 /67	6	0.24	0.42
117035	FR6742	BELLAMYS MH GAMBIT-ET S2F	238 /78	2.4	839	35	4.7	38	3.9	-0.03	753	2.3 /86	1.9 /48	54	0.27	0.40
117057	FR6736	MAIRE GL GRADUATE-ET	231 /76	1.5	329	31	5.1	36	4.3	0.19	445	1.3 /90	3.9 /33	26	-0.04	0.05
116036	FR6730	ARKAN MGH BACKDROP-ET S2F *	225 /90	2.4	184	23	5.0	27	4.2	0.00	723	0.2 /95	-1.6 /69	52	0.53	0.29
111036	FR2089	ARKAN FM BUSTER-ET S2F	218 /98	3.4	291	37	5.2	20	4.0	0.24	450	0.5 /99	1.0 /99	25	0.07	0.42
112032	FR5103	JACLES BOY JAKS S2F	211 /96	3.7	512	29	4.8	27	3.9	0.19	479	-0.6 /97	-0.9 /96	13	0.09	0.86
115023	FR5902	TANGLEWOOD MT KAURI S2F	196 /85	3.2	208	30	5.2	21	4.1	-0.13	542	1.7 /73	2.2 /30	46	0.15	0.20
115017	FR5926	LANGEVELDS SRB VALOUR S2F	189 /94	4.1	859	40	4.7	35	3.8	0.12	477	0.3 /84	-0.5 /65	73	0.20	0.57
116118	FR5929	LIGHTBURN B MALBEC-ET S3F	188 /85	1.8	502	31	4.9	33	4.1	-0.29	358	2.5 /70	3.2 /35	59	0.21	0.82
113009	FR4543	HAZAE SH DISTINCT-ET S1F	182 /96	1.6	466	24	4.8	30	4.0	0.03	340	0.2 /98	-0.9 /94	13	-0.02	-0.13
115043	FR4968	HYJINKS AM DEEJAY S1F	174 /95	1.7	859	34	4.6	39	3.9	0.11	353	0.1 /78	3.4 /69	52	0.06	0.10
116066	FR5950	DICKSONS GIESCALADE S3F	170 /84	4.4	422	28	4.9	26	4.0	0.04	485	2.4 /69	2.6 /36	54	0.11	0.35
113042	FR4971	CHARLTONS FI FINALCUT S2F	168 /98	5.0	50	33	5.4	13	4.0	-0.05	342	0.7 /89	1.6 /68	63	0.22	0.26
115048	FR4977	ZINKS GFB BACHELOR-ET S1F	162 /87	1.5	804	28	4.6	32	3.8	-0.19	449	-0.8 /70	3.0 /31	45	0.14	0.60
114041	FR4503	MITCHELLS KE HUSTLER S2F	161 /86	2.2	465	31	4.9	25	3.9	0.23	250	-0.4 /93	1.7 /30	38	0.12	0.32
111011	AKK	ASHDALE FM KELSBELLS S1F	147 /98	3.6	599	16	4.5	32	4.0	-0.06	449	0.6 /99	1.7 /98	35	0.09	0.28
113046	FR5947	MEANDER ROCKETMAN-ET S1F	145 /91	-0.8	154	24	5.1	20	4.1	0.00	249	-0.7 /91	0.5 /82	27	0.04	0.35
112063	FR4501	PADRUTTS GB TOPNOTCH S2F	143 /97	1.6	1060	20	4.2	37	3.7	-0.06	444	-0.5 /96	0.6 /99	22	0.07	0.66
115004	FR4983	ARKAN EO BIGSHOT-ET S3F	124 /95	3.0	501	7	4.4	28	4.0	0.34	343	-0.5 /81	0 /68	8	0.25	-0.06

Available in sexed. For Single AI use only. See bottom of page 12 for more information.



WERDERS DE OVERTIME S1F *



GORDONS AM LANCELOT S3F *



BUELIN BM EQUATOR S2F



SPRING TRALEE BEAT-ET S1F



JACLES BOY JAKS S2F



TANGLEWOOD MT KAURI S2F



LANGEVELDS SRB VALOUR S2F



LIGHTBURN B MALBEC-ET S3F



ZINKS GFB BACHELOR-ET S1F



MITCHELLS KE HUSTLER S2F



ASHDALE FM KELSBELLS S1F



MEANDER ROCKETMAN-ET S1F

Udder Overall	EBI	EBI Rel%	Milk Prod SI	Fertility SI	Milk Kg	Fat Kg	Protein Kg	Fat %	Protein %	Dairy Heifer Calv Diff	Dairy Cow Calv Diff	Sire Name	Breed Split	OAD	High Input	Gestation Length	A2/A2
0.54	154	55	109	20	-39	20	11	0.37	0.22	8.56	2.98	DICKSONS SHADE EMPIRE S1F	F16	1304	1319	-7.6	A2/A2
0.26	169	61	108	31	28	16	13	0.26	0.21	6.21	2.31	ALJO TEF MAELSTROM-ET S3F	F16	1299	1322	-1.9	A1/A1
0.59	169	19	88	42	157	17	11	0.19	0.10	5.21	2.30	BOTHWELL WT MAXIMA S2F	F16	1290	1327	-6.7	A1/A2
-0.01	166	64	119	12	159	16	17	0.17	0.20	4.83	1.88	MORRIS TF LAMONT S1F	F15J1	1221	1239	-3.5	A2/A2
0.28	179	51	96	42	322	17	15	0.08	0.7	6.22	2.41	MOURNE GROVE HOTHOUSE S2F	F16	1208	1244	-3.8	A2/A2
0.58	210	47	110	58	48	17	13	0.26	0.2	7.32	2.42	GORDONS AM LANCELOT S3F	F16	1258	1277	-0.2	A1/A1
0.32	212	59	110	63	-4	16	13	0.28	0.23	2.64	1.81	MOURNE GROVE HOTHOUSE S2F	F15J1	1167	1214	-6.6	A1/A2
0.21	159	95	84	55	80	16	8	0.33	0.18	4.80	2.40	FAIRMONT MINT-EDITION	F14J2	1214	1242	-2.1	A1/A2
0.13	152	67	76	45	81	13	10	0.17	0.12	5.26	2.06	MAIRE PF GOLDEN BOY S2F	F16	1196	1232	-2.2	A2/A2
0.38	213	56	93	103	-28	17	9	0.32	0.18	6.74	2.47	MITCHELLS WT TYPHOON S2F	F16	1175	1204	-0.2	A1/A2
0.39	210	61	106	79	174	19	14	0.21	0.14	4.48	2.60	SAN RAY FM BEAMER-ET S2F	F15J1	1210	1251	-1.2	A1/A1
1.19	145	56	126	18	218	19	18	0.18	0.18	10.12	3.87	SAN RAY FM BEAMER-ET S2F	F15J1	1247	1306	0.2	A1/A2
0.24	192	68	92	47	58	15	11	0.22	0.16	4.18	1.95	SAVANNAHS HF HAMMER S1F	F16	1181	1193	-2.1	A1/A2
0.54	118	63	98	22	174	14	14	0.12	0.14	11.61	3.95	ALJO TEF MAELSTROM-ET S3F	F15J1	1214	1242	-4.0	A1/A2
0.68	174	61	74	83	-23	12	8	0.22	0.16	6.42	2.78	GYDELAND EXCEL INCA S3F	F15J1	1180	1226	3.8	A1/A2
0.69	226	69	85	104	-137	18	6	0.42	0.19	5.36	2.26	FARSIDE M ILLUSTRIOUS S3F	F16	1182	1232	-3.4	A1/A2
0.31	201	63	93	66	124	14	13	0.15	0.15	4.50	2.00	GREENWELL FI BLADE S3F	F16	1181	1212	-5.4	A2/A2
0.33	225	65	102	76	127	19	13	0.25	0.14	5.30	2.00	KAIMORE HERO EARNIE S2F	F15J1	1183	1212	-2.5	A2/A2
0.19	199	94	104	64	102	13	15	0.15	0.19	5.79	2.35	FAIRMONT MINT-EDITION	F15J1	1156	1178	-1.4	A1/A2
0.52	114	64	88	-1	-5	16	9	0.27	0.17	5.79	2.30	SAVANNAHS HF HAMMER S1F	F16	1176	1183	-0.3	A1/A2
0.33	181	69	97	43	263	13	16	0.05	0.12	6.11	2.24	MAIRE PF GOLDEN BOY S2F	F15J1	1179	1194	1.1	A1/A2
0.63	163	65	96	64	70	7	15	0.08	0.22	5.56	2.12	EDWARDS BANQ OVATION S3F	F15J1	1136	1176	1.6	A2/A2

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BELLAMYS MH GAMBIT-ET S2F



MAIRE GL GRADUATE-ET



ARKAN MGH BACKDROP-ET S2F *



ARKAN FM BUSTER-ET S2F



HAZAE SH DISTINCT-ET S1F



HYJINKSAM DEEJAYS1F



DICKSONS GI ESCALADE S3F



CHARLTONS FI FINCUT S2F



PADRUTTS GB TOPNOTCH S2F



ARKAN EO BIGSHOT-ET S3F

TOP 5 PERFORMERS

Breeding Worth

NZ Herd Holstein Friesian Average NZD\$49

NZ Code	Name	BW/Rel%	Page
116019	WERDERS DE OVERTIME S1F *	283 /87	18
115021	GORDONS AM LANCELOT S3F *	274 /95	19
116124	SPRING TRALEE BEAT-ET S1F	238 /91	14
117035	BELLAMYS MH GAMBIT-ET S2F	238 /78	22
117057	MAIRE GL GRADUATE-ET	231 /76	21

EBI

NZ Code	Name	EBI (€)	Page
113042	CHARLTONS FI FINALCUT S2F	226	14
114041	MITCHELLS KE HUSTLER S2F	225	20
115023	TANGLEWOOD MT KAURI S2F	213	21
116036	ARKAN MGH BACKDROP-ET S2F *	212	18
117057	MAIRE GL GRADUATE-ET	210	21

Protein

NZ Herd Holstein Friesian Average 21kg/3.78%

NZ Code	Name	Protein (kg/%)	Page
115021	GORDONS AM LANCELOT S3F *	45 /4.1	19
115043	HYJINKS AM DEEJAY S1F	39 /3.9	14
117035	BELLAMYS MH GAMBIT-ET S2F	38 /3.9	22
112063	PADRUTTS GB TOPNOTCH S2F	37 /3.7	14
117057	MAIRE GL GRADUATE-ET	36 /4.3	21

Fat

NZ Herd Holstein Friesian Average 14kg/4.49%

NZ Code	Name	Fat (kg/%)	Page
116019	WERDERS DE OVERTIME S1F *	45 /5.3	18
115021	GORDONS AM LANCELOT S3F *	42 /4.9	19
115017	LANGEVELDS SRB VALOUR S2F	40 /4.7	20
111036	ARKAN FM BUSTER-ET S2F	37 /5.2	23
117035	BELLAMYS MH GAMBIT-ET S2F	35 /4.7	22

Fertility

NZ Herd Holstein Friesian Average -0.4%

NZ Code	Name	Fertility (%)	Page
113042	CHARLTONS FI FINALCUT S2F	5.0	23
116066	DICKSONS GI ESCALADE S3F	4.4	14
115017	LANGEVELDS SRB VALOUR S2F	4.1	20
112032	JACLES BOY JAKS S2F	3.7	14
111011	ASHDALE FM KELSBELLS S1F	3.6	14

Milk Volume

NZ Herd Holstein Friesian Average 567 l

NZ Code	Name	Volume (l)	Page
112063	PADRUTTS GB TOPNOTCH S2F	1060	14
115017	LANGEVELDS SRB VALOUR S2F	859	20
115043	HYJINKS AM DEEJAY S1F	859	14
117035	BELLAMYS MH GAMBIT-ET S2F	839	22
115048	ZINKS GFB BACHELOR-ET S1F	804	22

SCC

NZ Herd Holstein Friesian Average 0.05

NZ Code	Name	SCC	Page
116118	LIGHTBURN B MALBEC-ET S3F	-0.29	19
115048	ZINKS GFB BACHELOR-ET S1F	-0.19	22
115023	TANGLEWOOD MT KAURI S2F	-0.13	21
112063	PADRUTTS GB TOPNOTCH S2F	-0.06	14
111011	ASHDALE FM KELSBELLS S1F	-0.06	14

Capacity

NZ Herd Holstein Friesian Average 0.16

NZ Code	Name	Capacity	Page
112032	JACLES BOY JAKS S2F	0.86	14
116118	LIGHTBURN B MALBEC-ET S3F	0.82	19
112063	PADRUTTS GB TOPNOTCH S2F	0.66	14
115048	ZINKS GFB BACHELOR-ET S1F	0.60	22
115017	LANGEVELDS SRB VALOUR S2F	0.57	20

Udder Overall

NZ Herd Holstein Friesian Average 0.20

NZ Code	Name	Udder Overall	Page
116118	LIGHTBURN B MALBEC-ET S3F	1.19	19
113042	CHARLTONS FI FINALCUT S2F	0.69	23
116066	DICKSONS GI ESCALADE S3F	0.68	14
115004	ARKAN EO BIGSHOT-ET S3F	0.63	14
117057	MAIRE GL GRADUATE-ET	0.58	21

Heifer Calving Difficulty

NZ Herd Holstein Friesian Average 2.0%

NZ Code	Name	Calving Difficulty	Page
116036	ARKAN MGH BACKDROP-ET S2F *	-1.6	18
113009	HAZEL SH DISTINCT-ET S1F	-0.9	14
112032	JACLES BOY JAKS S2F	-0.9	14
115017	LANGEVELDS SRB VALOUR S2F	-0.5	20
115004	ARKAN EO BIGSHOT-ET S3F	0.0	14

* Sexed semen is available for Single AI use only. See page 12 for more information.

STORMING UP THE RANKS WITH THE TOP IN-MIND

by Simon Worth, LIC livestock selection manager



The milk continues to flow as the focus moves toward cow efficiency and quality over quantity.

The girls are pushing themselves harder, so it's only fair we give them the tools they need to ensure they are lasting. Among the black and whites, who hold many litres, comes a desire to strengthen udder conformation. As herd test data and traits-other than-production (TOP) information starts flowing in on 2018-born daughters, LIC is beginning to see its 17-code bulls fire, and we should expect to see continued shifts in how these bulls rank. It's with much excitement that I highlight those selected as new Premier Club bulls.

116019 WERDERS DE OVERTIME S1F:

Overtime's dam (by Illustrious) was rated in 2014 by breeders Thomas and Courtney Werder

as the best heifer they were milking at that time. This lasting impression is one that Overtime is now making himself and he comes with solid conformation and udder traits as well as production. Although he has over 600 herd tested daughters accounted for, there are more to come forward through his use as a genomic sire. Overtime's maternal half-brother by Hothouse is following in the same hoof prints as his older brother and has previously been marketed as a genomic sire in LIC's Holstein Friesian A2/A2 team.

116036 ARKAN MGH BACKDROP-ET:

A cow family well known to most – Backdrops dam the full sister to farmer favourites San Ray FM Beamer-ET S2F and Arkan FM Buster-ET S2F. Backdrop – A Mourne Grove Hothouse S2F son boasts daughters that farmers love to milk! This can be seen by

his exceptional farmer TOP traits, on top of this these daughters are proving to have sound udders, are fertile and keep themselves in good order which can be seen by Backdrops exceptional BCS BV.

117057 MAIRE GL GRADUATE-ET:

Sired by Gordons AM Lancelot S3F, one of the top current Holstein Friesian bulls and coming from the family of type specialist Maire IG Gauntlet and the same herd as Fire-Up – this bull has plenty to be excited about. Graduate daughters are efficient machines, and while not too large, they certainly pack a punch with production efficiency. This combined with positive fertility and sound udders makes Graduate a fantastic all-rounder to use in your breeding scheme this season.

Daughter of **OVERTIME****FR5944 WERDERS DE OVERTIME S1F**EBI/REL
154/55%Dam of **BACKDROP****FR6730 ARKANS MGH BACKDROP-ET S2F**EBI/REL
212/59%**IRELAND VALUES**

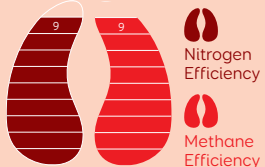
Milk Prod SI	109	Survival	0.59
Fertility SI	20	Cow Calving Difficulty	2.98
Calving SI	28	Heifer Calving Difficulty	8.56
Beef SI	-28	Somatic Cell Count	0.12
Health SI	-5	Milk kg	-39
Maintenance SI	24	Fat kg/%	20/0.37
Management SI	7	Protein kg/%	11/0.22
Calving Interval (days)	-0.98	Pedigree Status	SRM

IRELAND VALUES

Milk Prod SI	110	Survival	3.68
Fertility SI	63	Cow Calving Difficulty	1.81
Calving SI	44	Heifer Calving Difficulty	2.64
Beef SI	-20	Somatic Cell Count	0.01
Health SI	-2	Milk kg	-4
Maintenance SI	18	Fat kg/%	16/0.28
Management SI	0	Protein kg/%	13/0.23
Calving Interval (days)	-1.35	Pedigree Status	-

NEW ZEALAND DETAILS

629 NZ Daughters

HoofPrint™		gBW/Rel 283/87%	
		Breeding Details	
		Split	F16
		Sire	DICKSONS SHADE EMPIRE S1F
		MGS	FARSIDE MILLUSTRIOUS S3F
		MGGs	BURCHS ST MORITZ S1F

Milk	399	Milkfat	45 /5.3	Protein	32 /4.1
Somatic Cell Count	0.45	Cow Calving Diff	1.8 /92	Heifer Calving Diff	6.5 /42
Gestation Length	-7.6	Body Condition	-0.10	Total Longevity	383
Fertility	1.5	Liveweight	-3	Survival	97

NZ Evaluation Data

94 Daughters TOP Inspected

Management	BV	-0.5	0	0.5	1.0
Adapts to Milking	0.28				
Shed Temperament	0.29				
Milking Speed	0.17				
Overall Opinion	0.44				
Conformation	BV	-0.5	0	0.5	1.0
Stature	-0.11				
Capacity	0.17				
Rump Angle	-0.05				
Rump Width	0.03				
Legs	-0.20				
Udder Support	0.68				
Front Udder	0.17				
Rear Udder	0.67				
Front Teat Placement	0.02				
Rear Teat Placement	0.26				
Udder Overall	0.54				
Dairy Conformation	0.31				

LIC Initiatives

High Input	Once-A-Day	A2 Protein
1319	1304	A2/A2

DP - INT

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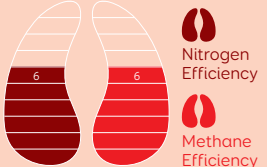


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*For single AI use only. See bottom of page 12 for more information

NEW ZEALAND DETAILS

1628 NZ Daughters

HoofPrint™		gBW/Rel 225/90%	
		Breeding Details	
		Split	F15J1
		Sire	MOURNE GROVE HOTHOUSE S2F
		MGS	FAIRMONT MINT-EDITION
		MGGs	SRC HIBI SECRET SKELTON

Milk	184	Milkfat	23 /5.0	Protein	27 /4.2
Somatic Cell Count	0.00	Cow Calving Diff	0.2 /95	Heifer Calving Diff	-1.6 /69
Gestation Length	-6.6	Body Condition	0.53	Total Longevity	723
Fertility	2.4	Liveweight	52	Survival	312

NZ Evaluation Data

102 Daughters TOP Inspected

Management	BV	-0.5	0	0.5	1.0
Adapts to Milking	0.53				
Shed Temperament	0.52				
Milking Speed	0.14				
Overall Opinion	0.53				
Conformation	BV	-0.5	0	0.5	1.0
Stature	0.53				
Capacity	0.29				
Rump Angle	-0.16				
Rump Width	-0.02				
Legs	-0.08				
Udder Support	0.27				
Front Udder	0.30				
Rear Udder	0.05				
Front Teat Placement	0.24				
Rear Teat Placement	-0.03				
Udder Overall	0.32				
Dairy Conformation	0.20				

LIC Initiatives

High Input	Once-A-Day	A2 Protein
1214	1167	A1/A2

DP - INT

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*For single AI use only. See bottom of page 12 for more information

Daughter of **LANCELOT**
FR5920 GORDONS AM
LANCELOT S3F EBI/REL
169/61%

IRELAND VALUES

Milk Prod SI	108	Survival	1.43
Fertility SI	31	Cow Calving Difficulty	2.31
Calving SI	29	Heifer Calving Difficulty	6.21
Beef SI	-37	Somatic Cell Count	0.07
Health SI	-3	Milk kg	28
Maintenance SI	34	Fat kg/%	16/0.26
Management SI	8	Protein kg/%	13/0.21
Calving Interval (days)	-1.02	Pedigree Status	SRM

NEW ZEALAND DETAILS 2674 NZ Daughters

HoofPrint™	gBW/Rel	274/95%
	Breeding Details	
	Split	F16
	Sire	ALJO TEF MAELSTROM-ET S3F
	MGS	MACFARLANES DAUNTLESS
	MGGS	MITCHELLS NOTEWORTHY S1F

Milk	751	Milkfat	42 /4.9	Protein	45 /4.1
Somatic Cell Count	0.05	Cow Calving Diff	1.2 /97	Heifer Calving Diff	1.6 /73
Gestation Length	-1.9	Body Condition	0.11	Total Longevity	479
Fertility	1.3	Liveweight	36	Survival	60

NZ Evaluation Data 136 Daughters TOP Inspected

Management	BV	-0.5	0	0.5	1.0
Adapts to Milking	0.37				
Shed Temperament	0.30				
Milking Speed	0.14				
Overall Opinion	0.25				
Conformation	BV	-0.5	0	0.5	1.0
Stature	0.57				
Capacity	0.54				
Rump Angle	0.30				
Rump Width	0.49				
Legs	-0.01				
Udder Support	0.47				
Front Udder	0.48				
Rear Udder	0.18				
Front Teat Placement	-0.01				
Rear Teat Placement	0.54				
Udder Overall	0.26				
Dairy Conformation	0.59				

LIC Initiatives

High Input	Once-A-Day	A2 Protein
1322	1299	A1/A1

DP - INT

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*For single AI use only. See bottom of page 12 for more information

Daughter of **MALBEC**
FR5929 LIGHTBURN B
MALBEC-ET S3F EBI/REL
145/56%

IRELAND VALUES

Milk Prod SI	126	Survival	1.34
Fertility SI	18	Cow Calving Difficulty	3.87
Calving SI	2	Heifer Calving Difficulty	10.12
Beef SI	-21	Somatic Cell Count	0.03
Health SI	0	Milk kg	218
Maintenance SI	15	Fat kg/%	19/0.18
Management SI	5	Protein kg/%	18/0.18
Calving Interval (days)	-0.13	Pedigree Status	SRM

NEW ZEALAND DETAILS 96 NZ Daughters

HoofPrint™	gBW/Rel	188/85%
	Breeding Details	
	Split	F15J1
	Sire	SAN RAY FM BEAMER-ET S2F
	MGS	WOODCOTE TF MAXIMISER
	MGGS	SRD JENERAYTIONS BANQUET

Milk	502	Milkfat	31 /4.9	Protein	33 /4.1
Somatic Cell Count	-0.29	Cow Calving Diff	2.5 /70	Heifer Calving Diff	3.2 /35
Gestation Length	0.2	Body Condition	0.21	Total Longevity	358
Fertility	1.8	Liveweight	59	Survival	-7

NZ Evaluation Data 90 Daughters TOP Inspected

Management	BV	-0.5	0	0.5	1.0
Adapts to Milking	0.49				
Shed Temperament	0.47				
Milking Speed	-0.29				
Overall Opinion	0.46				
Conformation	BV	-0.5	0	0.5	1.0
Stature	0.84				
Capacity	0.82				
Rump Angle	-0.23				
Rump Width	0.46				
Legs	-0.08				
Udder Support	0.95				
Front Udder	1.05				
Rear Udder	0.86				
Front Teat Placement	0.69				
Rear Teat Placement	0.50				
Udder Overall	1.19				
Dairy Conformation	0.92				

LIC Initiatives

High Input	Once-A-Day	A2 Protein
1306	1247	A1/A2

DP - INT

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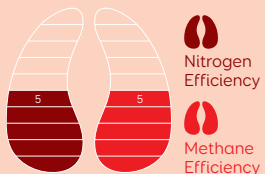
Daughter of **HUSTLER**

FR4503 MITCHELLS KE EBI/REL
HUSTLER S2F **225/65%**

IRELAND VALUES

Milk Prod SI	102	Survival	2.58
Fertility SI	76	Cow Calving Difficulty	2.00
Calving SI	37	Heifer Calving Difficulty	5.27
Beef SI	-30	Somatic Cell Count	0.04
Health SI	9	Milk kg	127
Maintenance SI	30	Fat kg/%	19/0.25
Management SI	1	Protein kg/%	13/0.14
Calving Interval (days)	-3.50	Pedigree Status	SRM

NEW ZEALAND DETAILS 90 NZ Daughters

HoofPrint™		gBW/Rel 161/86%	
		Breeding Details	
Nitrogen Efficiency		Split	F15J1
Methane Efficiency		Sire	KAIMORE HERO EARNIE S2F
		MGS	HAZAE DRACO MONARCH S3F
		MGGS	VALDEN HI APPLAUSE-ET S2F

Milk	465	Milkfat	31 /4.9	Protein	25 /3.9
Somatic Cell Count	0.23	Cow Calving Diff	-0.4 /93	Heifer Calving Diff	1.7 /30
Gestation Length	-2.5	Body Condition	0.12	Total Longevity	250
Fertility	2.2	Liveweight	38	Survival	-7

NZ Evaluation Data 76 Daughters TOP Inspected

Management	BV	-0.5	0	0.5	1.0
Adapts to Milking	0.32				
Shed Temperament	0.32				
Milking Speed	0.22				
Overall Opinion	0.48				
Conformation	BV	-0.5	0	0.5	1.0
Stature	0.66				
Capacity	0.32				
Rump Angle	-0.33				
Rump Width	0.37				
Legs	0.02				
Udder Support	0.44				
Front Udder	0.18				
Rear Udder	0.30				
Front Teat Placement	-0.09				
Rear Teat Placement	0.23				
Udder Overall	0.33				
Dairy Conformation	0.34				

LIC Initiatives

High Input	Once-A-Day	A2 Protein
1212	1183	A2/A2

DP - INT

icbf 11/2020



14/11/2020

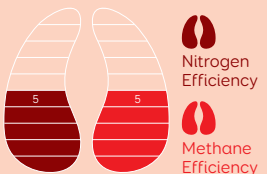
Half Sister of **VALOUR**

FR5926 LANGEVELDS SRB EBI/REL
VALOUR S2F **210/61%**

IRELAND VALUES

Milk Prod SI	106	Survival	2.60
Fertility SI	79	Cow Calving Difficulty	2.09
Calving SI	42	Heifer Calving Difficulty	4.48
Beef SI	-30	Somatic Cell Count	0.09
Health SI	-7	Milk kg	174
Maintenance SI	20	Fat kg/%	19/0.21
Management SI	0	Protein kg/%	14/0.14
Calving Interval (days)	-3.68	Pedigree Status	SRM

NEW ZEALAND DETAILS 1507 NZ Daughters

HoofPrint™		gBW/Rel 189/94%	
		Breeding Details	
Nitrogen Efficiency		Split	F15J1
Methane Efficiency		Sire	SAN RAY FM BEAMER-ET S2F
		MGS	HAZAE VA RAZZLER-ET S2F
		MGGS	MITCHELLS NOTEWORTHY S1F

Milk	859	Milkfat	40 /4.7	Protein	35 /3.8
Somatic Cell Count	0.12	Cow Calving Diff	0.3 /84	Heifer Calving Diff	-0.5 /65
Gestation Length	-1.2	Body Condition	0.20	Total Longevity	477
Fertility	4.1	Liveweight	73	Survival	114

NZ Evaluation Data 86 Daughters TOP Inspected

Management	BV	-0.5	0	0.5	1.0
Adapts to Milking	-0.22				
Shed Temperament	-0.26				
Milking Speed	0.44				
Overall Opinion	0.07				
Conformation	BV	-0.5	0	0.5	1.0
Stature	1.03				
Capacity	0.57				
Rump Angle	0.28				
Rump Width	0.61				
Legs	0.12				
Udder Support	0.40				
Front Udder	0.54				
Rear Udder	0.31				
Front Teat Placement	-0.13				
Rear Teat Placement	-0.24				
Udder Overall	0.39				
Dairy Conformation	0.47				

LIC Initiatives

High Input	Once-A-Day	A2 Protein
1251	1210	A1/A1

DP - INT

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Daughter of KAURI

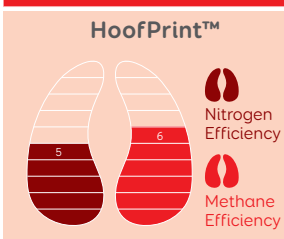
FR5902 TANGLEWOOD MT EBI/REL
KAURI S2F **213/56%**

IRELAND VALUES

Milk Prod SI	93	Survival	2.18
Fertility SI	103	Cow Calving Difficulty	2.47
Calving SI	25	Heifer Calving Difficulty	6.74
Beef SI	-29	Somatic Cell Count	-0.04
Health SI	0	Milk kg	-28
Maintenance SI	19	Fat kg/%	17/0.32
Management SI	2	Protein kg/%	9/0.18
Calving Interval (days)	-6.01	Pedigree Status	SRM

NEW ZEALAND DETAILS

86 NZ Daughters

gBW/Rel **196/85%**

Breeding Details

Split	F16
Sire	MITCHELLS WT TYPHOON S2F
MGS	SRC LAKESIDE DG MAGIC
MGGS	SRD JENERAYTIONS BANQUET

Milk	208	Milkfat	30 / 5.2	Protein	21 / 4.1
Somatic Cell Count	-0.13	Cow Calving Diff	1.7 / 73	Heifer Calving Diff	2.2 / 30
Gestation Length	-0.2	Body Condition	0.15	Total Longevity	542
Fertility	3.2	Liveweight	46	Survival	249

NZ Evaluation Data

73 Daughters TOP Inspected

Management	BV	-0.5	0	0.5	1.0
Adapts to Milking	0.31				
Shed Temperament	0.36				
Milking Speed	0.18				
Overall Opinion	0.41				
Conformation	BV	-0.5	0	0.5	1.0
Stature	0.71				
Capacity	0.20				
Rump Angle	-0.66				
Rump Width	0.08				
Legs	-0.07				
Udder Support	0.35				
Front Udder	0.31				
Rear Udder	0.35				
Front Teat Placement	-0.05				
Rear Teat Placement	-0.04				
Udder Overall	0.38				
Dairy Conformation	0.31				

LIC Initiatives

High Input	Once-A-Day	A2 Protein
1204	1175	A1/A2

DP - INT

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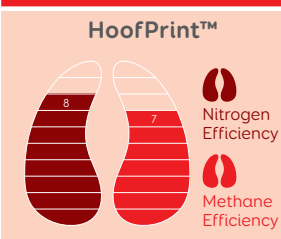
FR6736 MAIRE GL EBI/REL
GRADUATE-ET **210/47%**

IRELAND VALUES

Milk Prod SI	110	Survival	1.62
Fertility SI	58	Cow Calving Difficulty	2.42
Calving SI	33	Heifer Calving Difficulty	7.32
Beef SI	-31	Somatic Cell Count	-0.06
Health SI	7	Milk kg	48
Maintenance SI	29	Fat kg/%	17/0.26
Management SI	4	Protein kg/%	13/0.20
Calving Interval (days)	-2.97	Pedigree Status	-

NEW ZEALAND DETAILS

72 NZ Daughters

gBW/Rel **231/76%**

Breeding Details

Split	F16
Sire	GORDONS AM LANCELOT S3F
MGS	FARSIDE M ILLUSTRIOUS S3F
MGGS	SRD WHINLEA KL ECLIPSE-ET

Milk	329	Milkfat	31 / 5.1	Protein	36 / 4.3
Somatic Cell Count	0.19	Cow Calving Diff	1.3 / 90	Heifer Calving Diff	3.9 / 33
Gestation Length	-0.2	Body Condition	-0.04	Total Longevity	445
Fertility	1.5	Liveweight	26	Survival	147

NZ Evaluation Data

51 Daughters TOP Inspected

Management	BV	-0.5	0	0.5	1.0
Adapts to Milking	0.13				
Shed Temperament	0.08				
Milking Speed	0.04				
Overall Opinion	0.04				
Conformation	BV	-0.5	0	0.5	1.0
Stature	0.52				
Capacity	0.05				
Rump Angle	-0.16				
Rump Width	0.15				
Legs	0.00				
Udder Support	0.72				
Front Udder	0.59				
Rear Udder	0.52				
Front Teat Placement	0.27				
Rear Teat Placement	1.13				
Udder Overall	0.58				
Dairy Conformation	0.19				

LIC Initiatives

High Input	Once-A-Day	A2 Protein
1277	1258	A1/A1

DP - INT

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Daughter of **BACHELOR**
FR4977 ZINKS GFB
BACHELOR-ET S1F

 EBI/REL
201/63%
IRELAND VALUES

Milk Prod SI	93	Survival	1.35
Fertility SI	66	Cow Calving Difficulty	2.00
Calving SI	48	Heifer Calving Difficulty	4.45
Beef SI	-28	Somatic Cell Count	-0.09
Health SI	4	Milk kg	124
Maintenance SI	14	Fat kg/%	14/0.15
Management SI	5	Protein kg/%	13/0.15
Calving Interval (days)	-3.91	Pedigree Status	SRM

NEW ZEALAND DETAILS

115 NZ Daughters

HoofPrint™		gBW/Rel 162/87%	
		Breeding Details	
		Split	F16
		Sire	GREENWELL FI BLADE S3F
		MGS	FAIRMONT MINT-EDITION
		MGGs	BUCKLIN BEAR CANUTE

Milk	804	Milkfat	28 /4.6	Protein	32 /3.8
Somatic Cell Count	-0.19	Cow Calving Diff	-0.8 /70	Heifer Calving Diff	3.0 /31
Gestation Length	-5.4	Body Condition	0.14	Total Longevity	449
Fertility	1.5	Liveweight	45	Survival	139

NZ Evaluation Data

102 Daughters TOP Inspected

Management	BV	-0.5	0	0.5	1.0
Adapts to Milking	0.08				
Shed Temperament	0.07				
Milking Speed	0.05				
Overall Opinion	0.25				
Conformation	BV	-0.5	0	0.5	1.0
Stature	0.57				
Capacity	0.60				
Rump Angle	0.12				
Rump Width	0.57				
Legs	0.00				
Udder Support	0.42				
Front Udder	0.33				
Rear Udder	0.40				
Front Teat Placement	-0.25				
Rear Teat Placement	0.28				
Udder Overall	0.31				
Dairy Conformation	0.49				

LIC Initiatives

High Input	Once-A-Day	A2 Protein
1212	1181	A2/A2

DP - INT

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Half Sister of **GAMBIT**
FR6742 BELLAMYS MH
GAMBIT-ET S2F

 EBI/REL
179/51%
IRELAND VALUES

Milk Prod SI	96	Survival	2.35
Fertility SI	42	Cow Calving Difficulty	2.41
Calving SI	39	Heifer Calving Difficulty	6.22
Beef SI	-18	Somatic Cell Count	0
Health SI	1	Milk kg	322
Maintenance SI	20	Fat kg/%	17/0.08
Management SI	-1	Protein kg/%	15/0.07
Calving Interval (days)	-0.99	Pedigree Status	-

NEW ZEALAND DETAILS

82 NZ Daughters

HoofPrint™		gBW/Rel 238/78%	
		Breeding Details	
		Split	F16
		Sire	MOURNE GROVE HOTHOUSE S2F
		MGS	VALDEN HI APPLAUSE-ET S2F
		MGGs	SRC LAKESIDE DG MAGIC

Milk	839	Milkfat	35 /4.7	Protein	38 /3.9
Somatic Cell Count	-0.03	Cow Calving Diff	2.3 /86	Heifer Calving Diff	1.9 /48
Gestation Length	-3.8	Body Condition	0.27	Total Longevity	753
Fertility	2.4	Liveweight	54	Survival	346

NZ Evaluation Data

55 Daughters TOP Inspected

Management	BV	-0.5	0	0.5	1.0
Adapts to Milking	0.43				
Shed Temperament	0.39				
Milking Speed	0.07				
Overall Opinion	0.57				
Conformation	BV	-0.5	0	0.5	1.0
Stature	0.60				
Capacity	0.40				
Rump Angle	-0.09				
Rump Width	0.12				
Legs	-0.10				
Udder Support	0.21				
Front Udder	0.18				
Rear Udder	0.16				
Front Teat Placement	0.05				
Rear Teat Placement	-0.23				
Udder Overall	0.28				
Dairy Conformation	0.30				

LIC Initiatives

High Input	Once-A-Day	A2 Protein
1244	1208	A2/A2

DP - INT

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Daughter of **BUSTER**
FR2089 ARKAN FM
BUSTER-ET S2F

 EBI/REL
159/95%
Dam of **EQUATOR**
TBA BUELIN BM
EQUATOR S2F

 EBI/REL
169/19%
IRELAND VALUES

Milk Prod SI	84	Survival	1.34
Fertility SI	55	Cow Calving Difficulty	2.41
Calving SI	34	Heifer Calving Difficulty	4.81
Beef SI	-29	Somatic Cell Count	0.16
Health SI	-9	Milk kg	-80
Maintenance SI	21	Fat kg/%	16/0.33
Management SI	4	Protein kg/%	8/0.18
Calving Interval (days)	-3.02	Pedigree Status	SRM

IRELAND VALUES

Milk Prod SI	88	Survival	1.35
Fertility SI	42	Cow Calving Difficulty	2.30
Calving SI	37	Heifer Calving Difficulty	5.21
Beef SI	-20	Somatic Cell Count	0.01
Health SI	-1	Milk kg	157
Maintenance SI	18	Fat kg/%	17/0.19
Management SI	5	Protein kg/%	11/0.10
Calving Interval (days)	-2.04	Pedigree Status	-

NEW ZEALAND DETAILS 48983 NZ Daughters

HoofPrint™ 		gBW/Rel 218/98%	
Breeding Details Split F14J2 Sire FAIRMONT MINT-EDITION MGS SRC HIBI SECRET SKELTON MGGS GR JUDDS ADMIRAL		Nitrogen Efficiency Methane Efficiency	

Milk	291	Milkfat	37 / 5.2	Protein	20 / 4.0
Somatic Cell Count	0.24	Cow Calving Diff	0.5 / 99	Heifer Calving Diff	1.0 / 99
Gestation Length	-2.1	Body Condition	0.07	Total Longevity	450
Fertility	3.4	Liveweight	25	Survival	184

NZ Evaluation Data 407 Daughters TOP Inspected

Management	BV	-0.5	0	0.5	1.0
Adapts to Milking	0.21				
Shed Temperament	0.20				
Milking Speed	0.23				
Overall Opinion	0.32				
Conformation	BV	-0.5	0	0.5	1.0
Stature	0.68				
Capacity	0.42				
Rump Angle	0.06				
Rump Width	0.03				
Legs	-0.04				
Udder Support	0.52				
Front Udder	0.22				
Rear Udder	0.23				
Front Teat Placement	-0.12				
Rear Teat Placement	0.63				
Udder Overall	0.21				
Dairy Conformation	0.50				

LIC Initiatives

High Input	Once-A-Day	A2 Protein
1242	1214	A1/A2

**NEW ZEALAND DETAILS** 0 NZ Daughters

HoofPrint™ 		gBW/Rel 270/61%	
Breeding Details Split F16 Sire BOTHWELL WT MAXIMA S2F MGS FAIRMONT MINT-EDITION MGGS O-BEEMANFRED JUSTICE ET TVTL		Nitrogen Efficiency Methane Efficiency	

Milk	621	Milkfat	52 / 5.2	Protein	31 / 3.9
Somatic Cell Count	0.06	Cow Calving Diff	-0.1 / 73	Heifer Calving Diff	1.4 / 36
Gestation Length	-6.7	Body Condition	0.06	Total Longevity	463
Fertility	4.2	Liveweight	45	Survival	84

NZ Evaluation Data 0 Daughters TOP Inspected

Management	BV	-0.5	0	0.5	1.0
Adapts to Milking	0.48				
Shed Temperament	0.52				
Milking Speed	0.14				
Overall Opinion	0.57				
Conformation	BV	-0.5	0	0.5	1.0
Stature	0.74				
Capacity	0.51				
Rump Angle	-0.06				
Rump Width	0.48				
Legs	-0.16				
Udder Support	0.61				
Front Udder	0.38				
Rear Udder	0.40				
Front Teat Placement	0.20				
Rear Teat Placement	0.40				
Udder Overall	0.59				
Dairy Conformation	0.60				

LIC Initiatives

High Input	Once-A-Day	A2 Protein
1327	1290	A1/A2



JERSEY DAUGHTER PROVEN

NZ Bull Code	IRE AI Code	Bull Name	gBW / Rel	Fertility %	Milk volume (litres)	Fat Kg	Fat%	Prot Kg	Prot %	Somatic Cell Count	Total Longevity	Cow Calving Difficulty / Rel	Heifer Calving Difficulty / Rel	Liveweight	Body Condition Score	Capacity
Jersey																
317023	JE6724	SHEPHERDS LT FLINT ET S3J	409 /81	-0.7	22	54	5.9	29	4.4	0.00	455	-0.7/93	-1.4/88	-32	0.12	0.50
316039	JE6238	ULMARRA TT GALLIVANT *	328 /86	2.6	-248	46	6.1	15	4.3	0.04	406	-2.1/72	-1.5/30	-12	0.12	0.64
314052	JE4516	CRESCENT EXCELL MISTY ET	319 /87	4.9	-746	32	6.5	5	4.7	-0.34	345	-0.8/99	-1.9/99	-11	0.44	0.97
315045	JE4989	GLENUI DEGREE HOSS ET *	318 /87	4.4	-418	32	6.0	8	4.4	-0.30	385	-0.8/97	-1.6/97	-37	0.24	0.29
317060	JE6727	PASPALUM OI LIMELIGHT *	316 /77	1.4	-369	28	5.8	11	4.4	-0.14	489	-0.9/65	-2.7/46	-56	0.07	0.33
317034	JE6721	HEUVEN SUPER WISEGUY *	313 /78	4.5	-270	37	5.9	16	4.4	0.20	278	-1.4/76	-3.6/55	-33	0.08	0.46
314012	JE4259	KAITAKA OI LEOPARD ET	297 /93	2.4	-601	28	6.2	3	4.4	-0.31	385	-0.5/97	-2.0/98	-55	-0.04	0.00
314004	JE5992	BELLS OI FLOYD S3J *	286 /94	1.6	75	34	5.4	18	4.1	-0.22	522	-1.2/98	-1.6/98	-3	0.33	0.74
315009	JE5061	RIVERVIEW AND DEXTER S2J *	283 /86	3.2	-19	28	5.4	19	4.2	-0.18	422	-0.1/93	-0.6/95	-22	0.22	0.61
315049	JE5100	KAIMATARAU TERRIFIC PUNCH	263 /86	4.7	-308	19	5.5	11	4.3	0.15	383	-0.5/84	-1.4/63	-41	0.25	0.76
312057	JE2438	BELLS CM CONRAD S2J	231 /97	6.3	-129	24	5.4	13	4.2	0.40	365	-0.6/98	-2.1/99	-12	0.25	0.48

Available in sexed. For Single AI use only. See bottom of page 12 for more information.



SHEPHERDS LT FLINT ET S3J



ULMARRA TT GALLIVANT*



PASPALUM OI LIMELIGHT*



HEUVEN SUPER WISEGUY*



RIVERVIEW AND DEXTER S2J *



KAIMATARAU TERRIFIC PUNCH

Udder Overall	EBI	EBI Rel%	Milk Prod SJ	Fertility SJ	Milk Kg	Fat Kg	Protein Kg	Fat %	Protein %	Dairy Heifer Calv Diff	Dairy Cow Calv Diff	Sire Name	Breed Split	OAD	High Input	Gestation Length	A2/A2
0.61	218	59	141	44	-310	22	11	0.63	0.40	5.02	2.33	LYNBROOK TERRIFIC ET S3J	J16	1398	1407	1.5	A2/A2
0.62	244	57	136	55	-189	29	10	0.65	0.30	3.48	1.48	THORNWOOD OLM THOR	J16	1294	1329	-0.3	A1/A2
0.55	205	65	106	45	558	18	3	0.77	0.42	4.50	1.90	MARSDEN NN EXCELL ET	J16	1270	1332	-0.5	A2/A2
0.63	244	66	105	91	439	20	5	0.69	0.36	4.60	2.10	ARRIETA NN DEGREE ET	J16	1280	1311	2.4	A2/A2
0.85	164	55	118	18	-338	23	7	0.66	0.34	3.65	1.56	OKURA LT INTEGRITY	J16	1291	1311	1.9	A1/A2
0.12	243	54	122	68	-247	19	10	0.53	0.33	5.41	1.94	PUKETAWA AD SUPERSTITION	J16	1277	1298	-6.4	A2/A2
0.78	216	72	114	46	389	23	5	0.72	0.35	3.80	1.80	OKURA LT INTEGRITY	J16	1269	1276	-4.1	A2/A2
0.57	233	66	127	54	-21	26	12	0.46	0.23	3.62	1.81	OKURA LT INTEGRITY	J15F1	1254	1297	-2.1	A2/A2
0.68	215	65	122	48	83	18	13	0.4	0.27	5.30	2.30	ARRIETA NN DEGREE ET	J16	1279	1304	-1.3	A2/A2
1.04	185	64	93	51	-283	15	6	0.47	0.29	4.64	2.10	LYNBROOK TERRIFIC ET S3J	J16	1253	1317	-0.7	A2/A2
0.19	169	87	67	39	-207	12	4	0.36	0.20	4.09	1.82	CRESCENT AMC MARVEL	J15F1	1173	1225	-6.7	A2/A2

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CRESCENT EXCELL MISTY ET



GLENUI DEGREE HOSS ET *



KAITAKA OILEOPARD ET



BELLS OI FLOYD S3J *



BELLS CM CONRAD S2J

TOP 5 PERFORMERS

Breeding Worth

New Zealand Herd Jersey Average NZD\$155

NZ Code	Name	BW/Rel%	Page
317023	SHEPHERDS LT FLINT ET S3J	409 /81	28
316039	ULMARRA TT GALLIVANT *	328 /86	28
314052	CRESCENT EXCELL MISTY ET	319 /87	30
315045	GLENUI DEGREE HOSS ET *	318 /87	29
317060	PASPALUM OI LIMELIGHT *	316 /77	31

Protein

New Zealand Herd Jersey Average -1.0kg/4.14%

NZ Code	Name	Protein (kg/%)	Page
317023	SHEPHERDS LT FLINT ET S3J	29 /4.4	28
315009	RIVERVIEW AND DEXTER S2J *	19 /4.2	30
314004	BELLS OI FLOYD S3J *	18 /4.1	29
317034	HEUVEN SUPER WISEGUY *	16 /4.4	31
316039	ULMARRA TT GALLIVANT *	15 /4.3	28

Fertility

New Zealand Herd Jersey Average 1.9%

NZ Code	Name	Fertility (%)	Page
312057	BELLS CM CONRAD S2J	6.3	32
314052	CRESCENT EXCELL MISTY ET	4.9	30
315049	KAIMATARAU TERRIFIC PUNCH	4.7	24
317034	HEUVEN SUPER WISEGUY *	4.5	31
315045	GLENUI DEGREE HOSS ET *	4.4	29

SCC

New Zealand Herd Jersey Average -0.08

NZ Code	Name	SCC	Page
314052	CRESCENT EXCELL MISTY ET	-0.34	30
314012	KAITAKA OI LEOPARD ET	-0.31	32
315045	GLENUI DEGREE HOSS ET *	-0.30	29
314004	BELLS OI FLOYD S3J *	-0.22	29
315009	RIVERVIEW AND DEXTER S2J *	-0.18	30

Udder Overall

New Zealand Herd Jersey Average 0.23

NZ Code	Name	Udder Overall	Page
315049	KAIMATARAU TERRIFIC PUNCH	1.04	24
317060	PASPALUM OI LIMELIGHT *	0.85	31
314012	KAITAKA OI LEOPARD ET	0.78	32
315009	RIVERVIEW AND DEXTER S2J *	0.68	30
315045	GLENUI DEGREE HOSS ET *	0.63	29

EBI

NZ Code	Name	EBI (€)	Page
315045	GLENUI DEGREE HOSS ET *	244	29
316039	ULMARRA TT GALLIVANT *	244	28
317034	HEUVEN SUPER WISEGUY *	243	31
314004	BELLS OI FLOYD S3J *	233	29
317023	SHEPHERDS LT FLINT ET S3J	218	28

Fat

New Zealand Herd Jersey Average 9kg/5.43%

NZ Code	Name	Fat (kg/%)	Page
317023	SHEPHERDS LT FLINT ET S3J	54 /5.9	28
316039	ULMARRA TT GALLIVANT *	46 /6.1	28
317034	HEUVEN SUPER WISEGUY *	37 /5.9	31
314004	BELLS OI FLOYD S3J *	34 /5.4	29
314052	CRESCENT EXCELL MISTY ET	32 /6.5	30

Milk Volume

New Zealand Herd Jersey Average -415 l

NZ Code	Name	Volume (l)	Page
314004	BELLS OI FLOYD S3J *	75	29
317023	SHEPHERDS LT FLINT ET S3J	22	28
315009	RIVERVIEW AND DEXTER S2J *	-19	30
312057	BELLS CM CONRAD S2J	-129	32
316039	ULMARRA TT GALLIVANT *	-248	28

Capacity

New Zealand Herd Jersey Average 0.18

NZ Code	Name	Capacity	Page
314052	CRESCENT EXCELL MISTY ET	0.97	30
315049	KAIMATARAU TERRIFIC PUNCH	0.76	24
314004	BELLS OI FLOYD S3J *	0.74	29
316039	ULMARRA TT GALLIVANT *	0.64	28
315009	RIVERVIEW AND DEXTER S2J *	0.61	30

Liveweight

New Zealand Herd Jersey Average -47kg

NZ Code	Name	Liveweight	Page
314004	BELLS OI FLOYD S3J *	-3.0	29
314052	CRESCENT EXCELL MISTY ET	-11.0	30
316039	ULMARRA TT GALLIVANT *	-12.0	28
312057	BELLS CM CONRAD S2J	-12.0	32
315009	RIVERVIEW AND DEXTER S2J *	-22.0	30

* Sexed semen is available for Single AI use only. See page 12 for more information.

FLINT'S GOING OFF!...

JERSEY BREED SPARKS UP SPRING MATING

by Danie Swart, LIC bull acquisition manager



With a breed headline of Jerseys outperforming all other breeds when it comes to producing kilograms of milk solids per kilogram of liveweight, it's an exciting time as LIC's sire selection team analyses the new sire graduate information for the golden breed.

Not only does LIC have the absolute standout Jersey sire Flint in first spot among All Breeds (8 October Ranking of Active Sires list, or RAS list), the cooperative claims seven of the top-10 Jersey bulls on that list. Here, I'm proud to showcase some of the early and exciting 17-code graduates:

317023 SHEPHERDS LT FLINT ET S3J:

Topping the RAS list for Jersey bulls and for All Breeds, this bull bred by Roger Shepherd of Whangarei is simply among the most phenomenal production bulls ever, and has already been selected for Premier Sires. To put Flint in perspective, his combined protein and fat breeding value of 87.1kg launches him into the top production bracket for all breeds; his fat BV of 55.8kg and protein of 31.3kg are simply outstanding. Combined with good size and an udder overall breeding value of

0.67, this boy will surely be in every Jersey breeder's conversation. Flint is sired by Terrific, one of the most influential sires in the breed, and is backed by the very good dam Francesca, herself sired by Murrur and from a high production cow family. Francesca has a combined fat and protein breeding value of 61kg, a PW exceeding 700, and a LW of more than 500. Flint's granddam was also a high producing cow, with a PW above 500 and LWs greater than 400. The first five cows in Flint's maternal line average eight lactations each, confirming the longevity of the family. LIC is fortunate to already have exciting and high ranking sons out of Flint, including Popeye and Jazzman, both of which are already Sires-of-Sons. Flint will receive considerable use in this year's Premier Club. He is certainly shaping as one of those very special bulls that comes along and simply dominates contemporaries of all breeds at a given point in time. These are indeed exciting times for the breed.

316039 ULMARRA TT GALLIVANT:

This bull is bred from 3 generations of absolutely outstanding, powerful dairy cows from an extremely well run commercial

Coastal Taranaki farm. These were extraordinary capacious cows with sound udder conformation with super strength throughout, exactly what the cows Premier sires are made of. Gallivant daughters have inherited that great strength and capacity from the outstanding ancestry. On top of this his productive qualities of 46kg of fat is hard to ignore. A very fine bull with a great background and a big future.

317034 HEUVEN SUPER WISEGUY:

Wise guy is Waikato-bred by Frank and Ida Van Heuven. He is a son of the top bull Superstition, and it's no surprise that Wise guy is also breeding daughters with good size and liveweight. Positive attributes include his high fat and protein, good fertility (4.4%) and likeable management traits. Notable too is the longevity and high production down the maternal line, with 10 and more lactations for three most direct descendants in the pedigree. Wise guy debuts in this year's Premier Club.

315045 GLENUI DEGREE HOSS ET:

Hoss offers daughters with the complete package. His Bowie dam, is classified excellent, and in 2014 was described by Malcolm Ellis as the 'best conformation cow seen in Taranaki'. Not only does she have the looks, but she backs this up by possessing a very desirable PW. Hoss, at 318 BW, is set to deliver daughters which improve in every TOP trait. For example, he offers the ever desirable larger stature, solid capacity, great udder conformation, teat placement, and rump angle correction. Tony and Lesley Landers of Hawera and their Glenui stud are fast-becoming a regular in the Jersey bull breeding scene. If Hoss is the start of what's coming, I can't wait to see what else is in store! LIC's bull acquisition team will be utilising these bulls NOW to create the next generation of sons. I encourage you to jump in and use them also. Rest assured that absolute genetic gain is being delivered from LIC to your farm. Bring it on!

Daughter of **GALLIVANT****JE6238 ULMARRATT
GALLIVANT**EBI/REL
244/57%Half Sister of **Flint****JE6724 SHEPHERDS LT
FLINT-ET S3J**EBI/REL
218/59%**IRELAND VALUES**

Milk Prod SI	136	Survival	2.04
Fertility SI	55	Cow Calving Difficulty	1.48
Calving SI	49	Heifer Calving Difficulty	3.48
Beef SI	-61	Somatic Cell Count	0.06
Health SI	2	Milk kg	-189
Maintenance SI	57	Fat kg/%	29/0.65
Management SI	6	Protein kg/%	10/0.30
Calving Interval (days)	-2.34	Pedigree Status	PED

IRELAND VALUES

Milk Prod SI	141	Survival	1.75
Fertility SI	44	Cow Calving Difficulty	2.33
Calving SI	35	Heifer Calving Difficulty	5.02
Beef SI	-48	Somatic Cell Count	0.07
Health SI	-1	Milk kg	-310
Maintenance SI	39	Fat kg/%	22/0.63
Management SI	8	Protein kg/%	11/0.40
Calving Interval (days)	-1.78	Pedigree Status	-

NEW ZEALAND DETAILS

136 NZ Daughters

HoofPrint™ 		gBW/Rel 328/86%	
Breeding Details Split J16 Sire THORNWOOD OLM THOR MGS MARSDEN NN EXCELL ET MGGS GLENHAVEN TGM GENIUS S3J		Nitrogen Efficiency Methane Efficiency	

Milk	-248	Milkfat	46 /6.1	Protein	15 /4.3
Somatic Cell Count	0.04	Cow Calving Diff	-2.1 /72	Heifer Calving Diff	-1.5 /30
Gestation Length	-0.3	Body Condition	0.12	Total Longevity	406
Fertility	2.6	Liveweight	-12	Survival	58

NZ Evaluation Data

117 Daughters TOP Inspected

Management	BV	-0.5	0	0.5	1.0
Adapts to Milking	0.29				
Shed Temperament	0.38				
Milking Speed	0.08				
Overall Opinion	0.40				
Conformation	BV	-0.5	0	0.5	1.0
Stature	-0.26				
Capacity	0.64				
Rump Angle	-0.19				
Rump Width	-0.07				
Legs	0.08				
Udder Support	0.31				
Front Udder	0.70				
Rear Udder	0.73				
Front Teat Placement	0.05				
Rear Teat Placement	-0.08				
Udder Overall	0.62				
Dairy Conformation	0.62				

LIC Initiatives

High Input	Once-A-Day	A2 Protein
1329	1294	A1/A2

DP - INT

icbf 11/2020



14/11/2020

*For single AI use only. See bottom of page 12 for more information

NEW ZEALAND DETAILS

147 NZ Daughters

HoofPrint™ 		gBW/Rel 409/81%	
Breeding Details Split J16 Sire LYNBROOK TERRIFIC ET S3J MGS OKURA LIKA MURMUR MGGS HAYWARDS TGM AIM S3J		Nitrogen Efficiency Methane Efficiency	

Milk	22	Milkfat	54 /5.9	Protein	29 /4.4
Somatic Cell Count	0.00	Cow Calving Diff	-0.7 /93	Heifer Calving Diff	-1.4 /88
Gestation Length	1.5	Body Condition	0.12	Total Longevity	455
Fertility	-0.7	Liveweight	-32	Survival	31

NZ Evaluation Data

79 Daughters TOP Inspected

Management	BV	-0.5	0	0.5	1.0
Adapts to Milking	0.47				
Shed Temperament	0.49				
Milking Speed	0.23				
Overall Opinion	0.53				
Conformation	BV	-0.5	0	0.5	1.0
Stature	-0.51				
Capacity	0.50				
Rump Angle	0.25				
Rump Width	0.12				
Legs	0.15				
Udder Support	0.49				
Front Udder	0.29				
Rear Udder	0.76				
Front Teat Placement	0.13				
Rear Teat Placement	0.29				
Udder Overall	0.61				
Dairy Conformation	0.58				

LIC Initiatives

High Input	Once-A-Day	A2 Protein
1407	1398	A2/A2

DP - INT

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Daughter of **FLOYD****JE5992 BELLS OF
FLOYD S3J**EBI/REL
233/66%Daughter of **HOSS****JE4989 GLENUI DEGREE
HOSS-ET**EBI/REL
244/66%**IRELAND VALUES**

Milk Prod SI	127	Survival	2.31
Fertility SI	54	Cow Calving Difficulty	1.81
Calving SI	44	Heifer Calving Difficulty	3.62
Beef SI	-54	Somatic Cell Count	0
Health SI	3	Milk kg	-21
Maintenance SI	52	Fat kg/%	26/0.46
Management SI	6	Protein kg/%	12/0.23
Calving Interval (days)	-2.03	Pedigree Status	PED

IRELAND VALUES

Milk Prod SI	105	Survival	3.20
Fertility SI	91	Cow Calving Difficulty	2.09
Calving SI	20	Heifer Calving Difficulty	4.58
Beef SI	-39	Somatic Cell Count	-0.01
Health SI	7	Milk kg	-439
Maintenance SI	57	Fat kg/%	20/0.69
Management SI	3	Protein kg/%	4/0.36
Calving Interval (days)	-4.10	Pedigree Status	PED

NEW ZEALAND DETAILS

887 NZ Daughters

HoofPrint™		gBW/Rel	286/94%
		Breeding Details	
Nitrogen Efficiency		Split	J15F1
Methane Efficiency		Sire	OKURA LT INTEGRITY
		MGS	SHALENDY IDEAL ASCENT S3J
		MGGS	DAYSH'S LANDMARK GR

Milk	75	Milkfat	34 / 5.4	Protein	18 / 4.1
Somatic Cell Count	-0.22	Cow Calving Diff	-1.2 / 98	Heifer Calving Diff	-1.6 / 98
Gestation Length	-2.1	Body Condition	0.33	Total Longevity	522
Fertility	1.6	Liveweight	-3	Survival	127

NZ Evaluation Data

148 Daughters TOP Inspected

Management	BV	-0.5	0	0.5	1.0
Adapts to Milking	0.19				
Shed Temperament	0.31				
Milking Speed	0.03				
Overall Opinion	0.44				
Conformation	BV	-0.5	0	0.5	1.0
Stature	-0.21				
Capacity	0.74				
Rump Angle	0.14				
Rump Width	0.40				
Legs	-0.06				
Udder Support	0.48				
Front Udder	0.25				
Rear Udder	0.70				
Front Teat Placement	-0.11				
Rear Teat Placement	-0.01				
Udder Overall	0.57				
Dairy Conformation	0.66				

LIC Initiatives

High Input	Once-A-Day	A2 Protein
1297	1254	A2/A2

DP - INT

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14/11/2020

*For single AI use only. See bottom of page 12 for more information

NEW ZEALAND DETAILS

109 NZ Daughters

HoofPrint™		gBW/Rel	318/87%
		Breeding Details	
Nitrogen Efficiency		Split	J16
Methane Efficiency		Sire	ARRIETA NN DEGREE ET
		MGS	KONUI GLEN ELMOS BOWIE
		MGGS	LOSTAHILL FOREVERS BLAKE

Milk	-418	Milkfat	32 / 6.0	Protein	8 / 4.4
Somatic Cell Count	-0.30	Cow Calving Diff	-0.8 / 97	Heifer Calving Diff	-1.6 / 97
Gestation Length	2.4	Body Condition	0.24	Total Longevity	385
Fertility	4.4	Liveweight	-37	Survival	-48

NZ Evaluation Data

98 Daughters TOP Inspected

Management	BV	-0.5	0	0.5	1.0
Adapts to Milking	-0.07				
Shed Temperament	-0.02				
Milking Speed	0.20				
Overall Opinion	0.16				
Conformation	BV	-0.5	0	0.5	1.0
Stature	-0.65				
Capacity	0.29				
Rump Angle	0.04				
Rump Width	0.01				
Legs	0.11				
Udder Support	0.49				
Front Udder	0.47				
Rear Udder	0.71				
Front Teat Placement	0.18				
Rear Teat Placement	-0.01				
Udder Overall	0.63				
Dairy Conformation	0.34				

LIC Initiatives

High Input	Once-A-Day	A2 Protein
1311	1280	A2/A2

DP - INT

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Daughter of **DEXTER**
JE5061 RIVERVIEW AND DEXTER S2J EBI/REL
215/65%

IRELAND VALUES

Milk Prod SI	122	Survival	3.31
Fertility SI	48	Cow Calving Difficulty	2.25
Calving SI	21	Heifer Calving Difficulty	5.32
Beef SI	-50	Somatic Cell Count	-0.05
Health SI	8	Milk kg	-83
Maintenance SI	55	Fat kg/%	19/0.4
Management SI	11	Protein kg/%	13/0.27
Calving Interval (days)	-0.52	Pedigree Status	XSR

NEW ZEALAND DETAILS

98 NZ Daughters

HoofPrint™		gBW/Rel	283/86%
		Breeding Details	
Split	J16	Sire	ARRIETA NN DEGREE ET
MGS	OKURA LIKA MURMUR S3J	MGGS	OKURA MANHATTEN ET SJ3

Milk	-19	Milkfat	28 /5.4	Protein	19 /4.2
Somatic Cell Count	-0.18	Cow Calving Diff	-0.1 /93	Heifer Calving Diff	-0.6 /95
Gestation Length	-1.3	Body Condition	0.22	Total Longevity	422
Fertility	3.2	Liveweight	-22	Survival	3

NZ Evaluation Data

93 Daughters TOP Inspected

Management	BV	-0.5	0	0.5	1.0
Adapts to Milking	0.18				
Shed Temperament	0.13				
Milking Speed	0.32				
Overall Opinion	0.36				
Conformation	BV	-0.5	0	0.5	1.0
Stature	-0.49				
Capacity	0.61				
Rump Angle	-0.11				
Rump Width	0.32				
Legs	0.00				
Udder Support	0.46				
Front Udder	0.59				
Rear Udder	0.37				
Front Teat Placement	0.69				
Rear Teat Placement	0.72				
Udder Overall	0.68				
Dairy Conformation	0.59				

LIC Initiatives

High Input	Once-A-Day	A2 Protein
1304	1279	A2/A2

DP - INT

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Daughter of **MISTY**
JE4516 CRESCENT EXCELL MISTY ET EBI/REL
205/65%

IRELAND VALUES

Milk Prod SI	106	Survival	2.68
Fertility SI	45	Cow Calving Difficulty	1.90
Calving SI	32	Heifer Calving Difficulty	4.46
Beef SI	-43	Somatic Cell Count	0.03
Health SI	5	Milk kg	-558
Maintenance SI	48	Fat kg/%	18/0.77
Management SI	12	Protein kg/%	3/0.42
Calving Interval (days)	-0.90	Pedigree Status	PED

NEW ZEALAND DETAILS

98 NZ Daughters

HoofPrint™		gBW/Rel	319/87%
		Breeding Details	
Split	J16	Sire	MARSDEN NN EXCELL ET
MGS	RIVERINA GREENMAN	MGGS	TAWA GROVE MAUNGA ET SJ3

Milk	-746	Milkfat	32 /6.5	Protein	5 /4.7
Somatic Cell Count	-0.34	Cow Calving Diff	-0.8 /99	Heifer Calving Diff	-1.9 /99
Gestation Length	-0.5	Body Condition	0.44	Total Longevity	345
Fertility	4.9	Liveweight	-11	Survival	-127

NZ Evaluation Data

90 Daughters TOP Inspected

Management	BV	-0.5	0	0.5	1.0
Adapts to Milking	-0.07				
Shed Temperament	-0.07				
Milking Speed	0.00				
Overall Opinion	0.01				
Conformation	BV	-0.5	0	0.5	1.0
Stature	-0.52				
Capacity	0.97				
Rump Angle	0.18				
Rump Width	-0.06				
Legs	0.05				
Udder Support	0.42				
Front Udder	0.71				
Rear Udder	0.38				
Front Teat Placement	0.02				
Rear Teat Placement	-0.28				
Udder Overall	0.55				
Dairy Conformation	0.63				

LIC Initiatives

High Input	Once-A-Day	A2 Protein
1332	1270	A2/A2

DP - INT

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Dam of LIMELIGHT

**JE6727 PASPALUM OI
LIMELIGHT**

EBI/REL
164/55%



**JE6721 HEUVEN SUPER
WISEGUY**

EBI/REL
243/54%

IRELAND VALUES

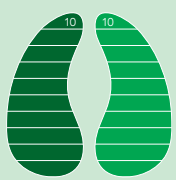
Milk Prod SI	118	Survival	1.87
Fertility SI	18	Cow Calving Difficulty	1.56
Calving SI	30	Heifer Calving Difficulty	3.65
Beef SI	-56	Somatic Cell Count	0.03
Health SI	4	Milk kg	-338
Maintenance SI	45	Fat kg/%	23/0.66
Management SI	4	Protein kg/%	7/0.34
Calving Interval (days)	0.41	Pedigree Status	-

IRELAND VALUES

Milk Prod SI	122	Survival	2.82
Fertility SI	68	Cow Calving Difficulty	1.94
Calving SI	45	Heifer Calving Difficulty	5.41
Beef SI	-52	Somatic Cell Count	0.05
Health SI	2	Milk kg	-247
Maintenance SI	52	Fat kg/%	19/0.53
Management SI	6	Protein kg/%	10/0.33
Calving Interval (days)	-2.64	Pedigree Status	-

NEW ZEALAND DETAILS

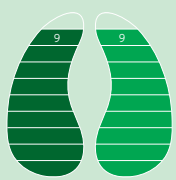
64 NZ Daughters

HoofPrint™	gBW/Rel	316/77%
	Breeding Details	
Nitrogen Efficiency	Split	J16
Methane Efficiency	Sire	OKURA LT INTEGRITY
	MGS	GLENHAVEN TGM GENIUS S3J
	MGGS	OKURA MANHATTAN ET SJ3

Milk	-369	Milkfat	28 / 5.8	Protein	11 / 4.4
Somatic Cell Count	-0.14	Cow Calving Diff	-0.9 / 65	Heifer Calving Diff	-2.7 / 46
Gestation Length	1.9	Body Condition	0.07	Total Longevity	489
Fertility	1.4	Liveweight	-56	Survival	166

NEW ZEALAND DETAILS

87 NZ Daughters

HoofPrint™	gBW/Rel	318/78%
	Breeding Details	
Nitrogen Efficiency	Split	J16
Methane Efficiency	Sire	PUKETAWA AD SUPERSTITION
	MGS	LYNBROOK RG TERRIFIC ET
	MGGS	MAGHERACANON DODDY GR

Milk	-270	Milkfat	37 / 5.9	Protein	16 / 4.4
Somatic Cell Count	0.20	Cow Calving Diff	-1.4 / 76	Heifer Calving Diff	-3.6 / 55
Gestation Length	-6.4	Body Condition	0.08	Total Longevity	278
Fertility	4.5	Liveweight	-33	Survival	-107

NZ Evaluation Data

36 Daughters TOP Inspected

Management	BV	-0.5	0	0.5	1.0
Adapts to Milking	0.44				
Shed Temperament	0.50				
Milking Speed	0.10				
Overall Opinion	0.45				
Conformation	BV	-0.5	0	0.5	1.0
Stature	-0.87				
Capacity	0.33				
Rump Angle	-0.13				
Rump Width	-0.03				
Legs	0.05				
Udder Support	0.72				
Front Udder	0.60				
Rear Udder	0.94				
Front Teat Placement	0.18				
Rear Teat Placement	0.28				
Udder Overall	0.85				
Dairy Conformation	0.42				

NZ Evaluation Data

47 Daughters TOP Inspected

Management	BV	-0.5	0	0.5	1.0
Adapts to Milking	0.48				
Shed Temperament	0.45				
Milking Speed	0.29				
Overall Opinion	0.43				
Conformation	BV	-0.5	0	0.5	1.0
Stature	-0.57				
Capacity	0.46				
Rump Angle	-0.29				
Rump Width	-0.12				
Legs	0.03				
Udder Support	0.06				
Front Udder	-0.03				
Rear Udder	0.24				
Front Teat Placement	-0.11				
Rear Teat Placement	-0.12				
Udder Overall	0.12				
Dairy Conformation	0.41				

LIC Initiatives

High Input	Once-A-Day	A2 Protein
1311	1291	A1/A2

LIC Initiatives

High Input	Once-A-Day	A2 Protein
1298	1277	A2/A2

Daughter of **LEOPARD**
JE4259 KAITAKA OI
LEOPARD ET

 EBI/REL
216/72%
IRELAND VALUES

Milk Prod SI	114	Survival	2.14
Fertility SI	46	Cow Calving Difficulty	1.79
Calving SI	40	Heifer Calving Difficulty	3.84
Beef SI	-49	Somatic Cell Count	0
Health SI	8	Milk kg	-389
Maintenance SI	48	Fat kg/%	23/0.72
Management SI	9	Protein kg/%	5/0.35
Calving Interval (days)	-1.51	Pedigree Status	XSR

NEW ZEALAND DETAILS

708 NZ Daughters

HoofPrint™ 		gBW/Rel 297/93%
Breeding Details Split J16 Sire OKURA LT INTEGRITY MGS TAWA GROVE MAUNGA ET SJ3 MGGs WILLAND ADS SAMUAL		

Milk	-601	Milkfat	28 /6.2	Protein	3 /4.4
Somatic Cell Count	-0.31	Cow Calving Diff	-0.5 /97	Heifer Calving Diff	-2.0 /98
Gestation Length	-4.1	Body Condition	-0.04	Total Longevity	385
Fertility	2.4	Liveweight	-55	Survival	104

NZ Evaluation Data

118 Daughters TOP Inspected

Management	BV	-0.5	0	0.5	1.0
Adapts to Milking	0.35				
Shed Temperament	0.37				
Milking Speed	0.03				
Overall Opinion	0.32				
Conformation	BV	-0.5	0	0.5	1.0
Stature	-0.79				
Capacity	0.00				
Rump Angle	-0.46				
Rump Width	-0.01				
Legs	-0.16				
Udder Support	0.60				
Front Udder	0.60				
Rear Udder	0.67				
Front Teat Placement	0.43				
Rear Teat Placement	0.53				
Udder Overall	0.78				
Dairy Conformation	0.26				

LIC Initiatives

High Input	Once-A-Day	A2 Protein
1276	1269	A2/A2

DP - INT

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Daughter of **CONRAD**
JE2438 BELLS CM
CONRAD S2J

 EBI/REL
169/87%
IRELAND VALUES

Milk Prod SI	67	Survival	1.73
Fertility SI	39	Cow Calving Difficulty	1.82
Calving SI	56	Heifer Calving Difficulty	4.09
Beef SI	-42	Somatic Cell Count	0.03
Health SI	1	Milk kg	-207
Maintenance SI	38	Fat kg/%	12/0.36
Management SI	10	Protein kg/%	4/0.20
Calving Interval (days)	-1.41	Pedigree Status	XSR

NEW ZEALAND DETAILS

15760 NZ Daughters

HoofPrint™ 		gBW/Rel 231/97%
Breeding Details Split J15F1 Sire CRESCENT AMC MARVEL MGS WILLIAMS MINSTREL MGGs DAYSH'S LANDMARK GR		

Milk	-129	Milkfat	24 /5.4	Protein	13 /4.2
Somatic Cell Count	0.40	Cow Calving Diff	-0.6 /98	Heifer Calving Diff	-2.1 /99
Gestation Length	-6.7	Body Condition	0.25	Total Longevity	365
Fertility	6.3	Liveweight	-12	Survival	0

NZ Evaluation Data

449 Daughters TOP Inspected

Management	BV	-0.5	0	0.5	1.0
Adapts to Milking	0.06				
Shed Temperament	0.14				
Milking Speed	0.12				
Overall Opinion	0.15				
Conformation	BV	-0.5	0	0.5	1.0
Stature	-0.39				
Capacity	0.48				
Rump Angle	-0.40				
Rump Width	-0.17				
Legs	0.08				
Udder Support	0.04				
Front Udder	0.22				
Rear Udder	0.28				
Front Teat Placement	-0.09				
Rear Teat Placement	-0.08				
Udder Overall	0.19				
Dairy Conformation	0.32				

LIC Initiatives

High Input	Once-A-Day	A2 Protein
1225	1173	A2/A2

DP - IRE

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14/11/2020

Q.

How do I identify
more cows on heat
this season?

A.



Indicative results dependent on the amount of bulling activity that has occurred.

Use LIC Scratch Patch heat detectors to help choose the best time to inseminate your cows. These cost-effective heat detection aids are self-adhesive so there is no need for preheating or glue and come in five highly visible colours. The friction base technology helps indicate the level of mating activity and minimise false positives, leading to improved AI results. This gives you more cows in-calf, extra milk in the vat and higher profitability on farm.

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for improvement**

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KIWICROSS DAUGHTER PROVEN

NZ Bull Code	IRE AI Code	Bull Name	Breed Split	gBW / Rel	Fertility %	Milk volume (litres)	Fat Kg	Fat%	PROT Kg	Prot %	Somatic Cell Count	Total Longevity	Cow Calving Difficulty / Rel	Heifer Calving Difficulty / Rel	Liveweight	Body Condition Score
KiwiCross®																
516048	FR5962	MATAHUI EXPLICIT	F13J3	244 /83	0.4	684	46	5.0	38	4.0	-0.11	396	-0.4/89	-0.5/49	48	0.02
517043	TBC	GLEN KORU PROCLAIMER-ET *	F11J5	376 /78	2.1	579	57	5.3	38	4.1	-0.07	486	0.2/94	1.9/77	-2	0.07
511011	ZSP	PRIESTS SIERRA *	F11J5	298 /99	3.9	444	45	5.2	29	4.0	-0.17	656	0.1/99	2.0 /99	26	0.05
517060	TBC	KEGZYS REMARKABLE	F10J6	337 /77	1.8	483	52	5.3	37	4.2	-0.44	431	0.7 /69	0.2 /41	17	0.06
516074	FR5989	CROSSANS CRITICAL-ET	F10J6	300 /89	3.3	963	39	4.6	39	3.8	-0.43	513	-0.4/92	-0.7 /97	-10	0.10
517055	FR6733	TARAMONT SPRINGTIDE	F10J6	278 /78	-0.4	909	53	4.9	45	4.0	0.24	366	-1.0 /73	0.1/43	36	0.03
517023	TBC	HORIZON BOULEVARD-ET*	F10J6	265 /80	-0.5	819	49	4.9	44	4.0	0.19	358	0 /91	2.0 /82	34	0.03
516066	TBC	WALTON INFERNO *	F9J7	320 /86	2.0	227	39	5.3	31	4.3	-0.53	422	-1.0 /82	-1.0 /64	-3	0.12
517026	TBC	HOWSES SPRINGFIELD *	F9J7	312 /78	4.4	-297	34	5.9	17	4.4	-1.00	539	-0.8 /93	-0.8 /95	12	0.14
517042	TBC	LUCK-AT-LAST INSPIRED-ET *	F9J7	287 /79	1.6	426	40	5.1	26	4.0	0.25	423	-0.8 /89	0.3 /97	-20	0.12
515058	FR5067	KAHURANGI IZABULL	F9J7	271 /87	0	332	37	5.2	28	4.1	-0.09	365	-0.5 /97	-1.8 /98	-21	-0.15
515068	FR4965	WOODWARDS SPOT ON *	F9J7	258 /85	1.5	205	38	5.3	22	4.1	0.01	385	0.1 /91	-0.5 /98	5	0.16
511026	JE4270	ARKANS BEAUT ET	F9J7	220 /99	-0.2	409	24	4.8	30	4.1	-0.21	488	0 /99	-0.4 /99	5	0.09
513074	FR4527	SCHRADERS TUSK	F9J7	194 /91	4.5	259	18	4.9	16	3.9	-0.19	383	-0.8 /97	-1.5 /97	-22	0.04
515019	JE5025	LYNBROOK KNIGHT ET	J8F7	298 /83	5.4	283	29	5.1	26	4.1	-0.32	508	0.2 /91	-0.9 /70	-22	0.18
515017	JE6007	LYNBROOK KARTELL *	J8F7	251 /85	2.9	79	28	5.3	25	4.3	0.20	301	-0.7 /94	-1.1 /98	-22	-0.04
514018	JE4509	GLEN KORU EPIC *	J9F7	239 /89	2.4	187	26	5.1	28	4.2	-0.12	375	-0.5 /97	-1.3 /91	-2	0.03
515028	JE5896	ZONA CROSSFIRE	J9F7	237 /86	6.0	45	14	5.0	13	4.0	-1.01	665	-1.2 /69	-1.6 /40	-3	0.28
516015	JE5953	HYJINKS SNAPPER *	J9F7	235 /89	3.7	-112	24	5.4	7	4.0	-0.27	551	0.1 /92	-0.3 /86	-4	0.37
515025	TBC	SPEAKES SLIPSTREAM ET *	J10F6	299 /86	6.3	-73	36	5.6	15	4.2	-0.07	609	-0.4 /92	0.2 /98	-3	0.07
515059	JE5001	TAUNTS REVENGE	J10F6	230 /86	3.5	173	41	5.4	24	4.2	0.47	225	1.2 /66	-2.3 /52	23	0.04
515066	TBC	VAN STRAALENS DUEL	J10F6	244 /86	3.6	-47	35	5.6	18	4.2	0.02	294	-0.7 /69	-1.2 /36	14	0.17
515062	JE5893	DUGGANS GAMEPLAN *	J12F4	301 /87	0.9	-557	36	6.3	10	4.6	0.06	248	-0.5 /91	-2.5 /92	-36	0.04

Available in sexed. For Single AI use only. See bottom of page 12 for more information.



MATAHUI EXPLICIT



GLEN KORU PROCLAIMER-ET *



PRIESTS SIERRA *



KEGZYS REMARKABLE



HOWSES SPRINGFIELD *



LUCK-AT-LAST INSPIRED-ET *



KAHURANGI IZABULL



WOODWARDS SPOT ON *



GLEN KORU EPIC *



ZONA CROSSFIRE



HYJINKS SNAPPER *



SPEAKES SLIPSTREAM ET *

Capacity	Udder Overall	EBI	EBI Rel%	Milk Prod SI	Fertility SI	Milk Kg	Fat Kg	Protein Kg	Fat %	Protein %	Dairy Heifer Calv Diff	Dairy Cow Calv Diff	Sire Name	OAD	High Input	Gestation Length	A2/A2
0.54	0.49	198	54	130	33	-11	23	14	0.42	0.24	5.58	2.26	GREENWELL BREAKTHROUGH ET	1288	1298	-3.1	A2/A2
0.51	0.36	192	54	129	43	69	23	15	0.34	0.22	6.45	2.62	GYDELAND EXCEL INCA S3F	1370	1395	2.2	A2/A2
0.55	0.54	199	95	101	62	14	20	10	0.33	0.17	5.80	2.30	FAIRMONT MINT-EDITION	1298	1329	-6.5	A2/A2
0.48	0.57	151	53	62	51	-193	11	4	0.33	0.19	4.26	1.95	DRYSDALES SOVEREIGN	1369	1386	-0.7	A1/A2
0.74	0.50	188	55	92	52	143	15	13	0.16	0.13	3.58	1.66	KRAAKMANS JAYDIE	1327	1350	-7.6	A2/A2
1.05	1.09	140	53	97	15	65	14	13	0.20	0.18	4.66	2.04	DRYSDALES SOVEREIGN	1384	1420	-9.7	A2/A2
0.92	0.47	228	49	139	46	65	24	16	0.36	0.24	4.93	1.81	SAN RAY FM BEAMER-ET S2F	1309	1333	-3.6	A2/A2
0.31	0.34	195	57	80	58	-250	10	6	0.36	0.27	4.27	1.49	PRIESTS SOLARIS-ET	1319	1322	-8.3	A2/A2
0.89	0.55	211	53	118	41	21	21	13	0.35	0.21	4.19	1.92	DRYSDALES SOVEREIGN	1318	1342	-1.9	A2/A2
0.71	0.56	229	50	126	54	81	22	15	0.33	0.21	4.97	1.69	SAN RAY FM BEAMER-ET S2F	1291	1320	-6.0	A2/A2
-0.12	0.49	181	62	114	23	4	21	12	0.36	0.21	4.71	2.03	HOWIES ARKAN RAMADA ET	1275	1263	-6.3	A1/A1
1.18	0.40	201	61	114	74	49	21	13	0.33	0.19	5.70	2.00	VANSTRAALENS VIBE	1260	1297	2.2	A2/A2
0.45	0.27	191	84	102	53	47	15	13	0.23	0.19	4.66	2.18	NEVRON SHOWMAN	1212	1219	-6.6	A1/A2
0.08	0.30	221	61	89	69	2	17	9	0.29	0.16	3.61	1.55	WAIWIRA WARLORD	1175	1191	-9.9	A1/A2
1.23	0.13	183	58	103	42	54	17	12	0.26	0.18	5.33	2.18	CASTLEGRACE DAREDEVIL	1252	1306	0.0	A2/A2
0.28	0.62	228	55	110	68	-159	16	11	0.39	0.29	3.48	1.78	HOWIES ARKAN RAMADA ET	1262	1280	-4.4	A1/A2
0.29	0.39	244	59	112	78	29	15	13	0.28	0.25	4.90	2.00	SERPENTINE CRUSADER	1245	1260	1.2	A2/A2
0.81	0.21	189	63	76	71	-76	14	7	0.31	0.16	4.53	2.02	PRIESTS SOLARIS-ET	1190	1220	-2.8	A2/A2
0.48	0.63	210	57	108	66	-51	20	1	0.39	0.22	4.39	2.62	LYNBROOK TERRIFIC ET S3J	1205	1255	1.4	A1/A2
0.47	1.09	195	62	88	51	-317	16	4	0.53	0.28	5.30	2.12	PUKEROA TGM MANZELLO	1292	1341	1.3	A2/A2
0.73	0.50	208	65	126	36	-88	23	12	0.46	0.27	4.00	1.90	PUKEROA TGM MANZELLO	1246	1283	-3.5	A2/A2
0.76	0.56	196	55	124	23	-161	22	11	0.50	0.30	4.58	2.04	PILSENS TITAN	1250	1298	-6.4	A1/A2
0.22	0.66	209	64	109	34	-405	19	6	0.64	0.37	3.72	1.77	PUKEROA TGM MANZELLO	1280	1294	-6.4	A2/A2

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CROSSANS CRITICAL-ET



TARAMONT SPRINGTIDE



HORIZON BOULEVARD-ET *



WALTON INFERNO *



ARKANS BEAUT ET



SCHRADERS TUSK



LYNBROOK KNIGHT ET



LYNBROOK KARTELL *



TAUNTS REVENGE



VAN STRAALENS DUEL



DUGGANS GAMEPLAN *

TOP 5 PERFORMERS

Breeding Worth

New Zealand herd crossbred average NZD\$110

NZ Code	Name	BW/Rel%	Page
517043	GLEN KORU PROCLAIMER-ET *	376 /78	38
517060	KEGZYS REMARKABLE	337 /77	39
516066	WALTON INFERNO *	320 /86	41
517026	HOWSES SPRINGFIELD *	312 /78	42
515062	DUGGANS GAMEPLAN *	301 /87	46

EBI

NZ Code	Name	EBI (€)	Page
514018	GLEN KORU EPIC *	244	44
517042	LUCK-AT-LAST INSPIRED-ET *	229	42
517023	HORIZON BOULEVARD-ET *	228	39
515017	LYNBROOK KARTELL *	228	43
513074	SCHRADERS TUSK	221	34

Protein

New Zealand herd crossbred average 14kg/3.93%

NZ Code	Name	Protein (kg/%)	Page
517055	TARAMONT SPRINGTIDE	45 /4.0	40
517023	HORIZON BOULEVARD-ET *	44 /4.0	39
516074	CROSSANS CRITICAL-ET	39 /3.8	40
516048	MATAHUI EXPLICIT	38 /4.0	34
517043	GLEN KORU PROCLAIMER-ET *	38 /4.1	38

Fat

New Zealand herd crossbred average 14kg/4.85%

NZ Code	Name	Fat (kg/%)	Page
517043	GLEN KORU PROCLAIMER-ET *	57 /5.3	38
517055	TARAMONT SPRINGTIDE	53 /4.9	40
517060	KEGZYS REMARKABLE	52 /5.3	39
517023	HORIZON BOULEVARD-ET *	49 /4.9	39
516048	MATAHUI EXPLICIT	46 /5.0	34

Fertility

New Zealand herd crossbred average 0.7%

NZ Code	Name	Fertility (%)	Page
515025	SPEAKES SLIPSTREAM ET *	6.3	45
515028	ZONA CROSSFIRE	6.0	44
515019	LYNBROOK KNIGHT ET	5.4	34
513074	SCHRADERS TUSK	4.5	34
517026	HOWSES SPRINGFIELD *	4.4	42

Milk Volume

New Zealand herd crossbred average 191 l

NZ Code	Name	Volume (l)	Page
516074	CROSSANS CRITICAL-ET	963	40
517055	TARAMONT SPRINGTIDE	909	40
517023	HORIZON BOULEVARD-ET *	819	39
516048	MATAHUI EXPLICIT	684	34
517043	GLEN KORU PROCLAIMER-ET *	579	38

SCC

New Zealand herd crossbred average 0.00

NZ Code	Name	SCC	Page
515028	ZONA CROSSFIRE	-1.01	44
517026	HOWSES SPRINGFIELD *	-1.00	42
516066	WALTON INFERNO *	-0.53	41
517060	KEGZYS REMARKABLE	-0.44	39
516074	CROSSANS CRITICAL-ET	-0.43	40

Capacity

New Zealand herd crossbred average 0.20

NZ Code	Name	Capacity	Page
515019	LYNBROOK KNIGHT ET	1.23	34
515068	WOODWARDS SPOT ON *	1.18	41
517055	TARAMONT SPRINGTIDE	1.05	40
517023	HORIZON BOULEVARD-ET *	0.92	39
517026	HOWSES SPRINGFIELD *	0.89	42

Udder Overall

New Zealand herd crossbred average 0.17

NZ Code	Name	Udder Overall	Page
515025	SPEAKES SLIPSTREAM ET *	1.09	45
517055	TARAMONT SPRINGTIDE	1.09	40
515062	DUGGANS GAMEPLAN *	0.66	46
516015	HYJINKS SNAPPER *	0.63	43
515017	LYNBROOK KARTELL *	0.62	43

Heifer Calving Difficulty

New Zealand herd crossbred average -0.1

NZ Code	Name	Calving Difficulty	Page
515062	DUGGANS GAMEPLAN *	-2.5	46
515059	TAUNTS REVENGE	-2.3	46
515058	KAHURANGI IZABULL	-1.8	34
515028	ZONA CROSSFIRE	-1.6	44
513074	SCHRADERS TUSK	-1.5	34

* Sexed semen is available for Single AI use only. See page 12 for more information.

CROSSING NEW FRONTIERS: THE KIWICROSS GRADUATES

by Camdon Bland, LIC sire analyst



Who's proving themselves to be the best of the best?

Who's deserving of a future spot as a member of LIC's Premier Sires?

Following the cohort of bulls purchased in 2016, it's been captivating for LIC's bull acquisition team to follow their progress over the past few years. There have been multiple upward movers on the KiwiCross® breeding worth (BW) ladder, and many of the bulls have made more than significant gains. Although it's still early days, and there's much more information to come, there are definitely star bulls in-the-making who are showing their superiority, who appear especially well-balanced from production to type. The following are a handful of examples of LIC's outstanding new KiwiCross® graduates:

517043 GLEN KORU PROCLAIMER ET:

Remaining the top sire from his genomic days, Proclaimer pushes the boundaries on milk solids at almost 100kgs, and, combined with his liveweight BV (-1.3), it's crystal clear that efficiency is this guy's main game. Proclaimer also brings a tidy array of udder, fertility, and capacity BVs to the table. He comes to LIC via breeders David and Karen Camp, who are nowadays enjoying a well-

deserved retirement from dairy farming. However, the Camps leave a legacy of passionate breeding and a reputation for 'getting it right' when it comes to the breeding of both dairy cows and dairy bulls. It's little wonder they've bred bulls like Proclaimer, Epic, and Beckon (with Beckon still ranking third on the Ranking of Active Sires list published by New Zealand Animal Evaluation Ltd). The breeding behind Proclaimer is fantastically eye-catching, being an Inca son and out of two Hall Of Fame KiwiCross® sires in Showman (dam) and Northsea (grand dam). Both these dams are phenomenal cows, who've been pumping out the goods from day one, each with sky high production worths (PWs) in excess of 500. Proclaimer is certainly a sire worthy of both Premier Sires Forward Pack and Alpha selection.

517026 HOWSES SPRINGFIELD:

Next in line and already making a name for himself, Springfield has a powerhouse breeding worth (BW), boasting good solids and fertility BVs. Daughters from Springfield seem set to follow in the footsteps of his sire Sovereign, with remarkable udders and capacity to match - just the all-round balance LIC's sire selection team strives for! Bred by Barry and Wendy Howse, who farm at

Matamata, Springfield's maternal line features an exceptional row of cows stretching right back to his great grand dam. This cow family is celebrated, and has further pride themselves on good sound udders and dairy conformation, and push themselves to new levels of production in the parlour season after season.

517055 TARAMONT SPRINGTIDE:

Another exciting bull selected for Forward Pack, Springtide offers bucket loads of solids and phenomenal udders (1.13) to carry his impressive production. Bred by Jim and Sue Webster of Waitara, Taranaki - it's no surprise to see exceptional udders like those on Springtide daughters given the exceptional type of his Burwells Riley dam.

517060 KEGZY REMARKABLE:

Just like horses racing for a top spot so too does Remarkable, being pushed forward in the race by high solids 50kgs fat and 35kgs of protein, with superb udder BVs carrying through. Hats off to Vaughan and Trudy Keegan from K & Z Family Trust for breeding this exceptional Drysdale Sovereign son, who's an integral part in holding the Forward Pack in such high esteem this year.


Daughter of **SIERRA**
**ZSP PRIESTS
SIERRA**

EBI/REL
199/95%

Half Sister of **PROCLAIMER**
**TBA GLEN KORU
PROCLAIMER-ET**


EBI/REL
192/54%
IRELAND VALUES

Milk Prod SI	101	Survival	2.13
Fertility SI	62	Cow Calving Difficulty	2.31
Calving SI	46	Heifer Calving Difficulty	5.75
Beef SI	-30	Somatic Cell Count	0
Health SI	-3	Milk kg	14
Maintenance SI	18	Fat kg/%	20/0.33
Management SI	6	Protein kg/%	10/0.17
Calving Interval (days)	-2.81	Pedigree Status	-

IRELAND VALUES

Milk Prod SI	129	Survival	1.67
Fertility SI	43	Cow Calving Difficulty	2.62
Calving SI	30	Heifer Calving Difficulty	6.45
Beef SI	-40	Somatic Cell Count	0.10
Health SI	-3	Milk kg	69
Maintenance SI	33	Fat kg/%	23/0.34
Management SI	2	Protein kg/%	15/0.22
Calving Interval (days)	-1.73	Pedigree Status	-

NEW ZEALAND DETAILS 60420 NZ Daughters

HoofPrint™	gBW/Rel 298/99%
	Breeding Details
Nitrogen Efficiency	Split F11J5
Methane Efficiency	Sire FAIRMONT MINT-EDITION
	MGS INGRAMS RAMROD
	MGGs AMADEUS JC12

Milk	444	Milkfat	45 /5.2	Protein	29 /4.0
Somatic Cell Count	-0.17	Cow Calving Diff	0.1 /99	Heifer Calving Diff	2.0 /99
Gestation Length	-6.5	Body Condition	0.05	Total Longevity	656
Fertility	3.9	Liveweight	26	Survival	254

NZ Evaluation Data 413 Daughters TOP Inspected

Management	BV	-0.5	0	0.5	1.0
Adapts to Milking	0.56				
Shed Temperament	0.62				
Milking Speed	0.09				
Overall Opinion	0.52				
Conformation	BV	-0.5	0	0.5	1.0
Stature	0.54				
Capacity	0.55				
Rump Angle	-0.07				
Rump Width	0.13				
Legs	0.08				
Udder Support	0.65				
Front Udder	0.42				
Rear Udder	0.69				
Front Teat Placement	0.22				
Rear Teat Placement	1.08				
Udder Overall	0.54				
Dairy Conformation	0.69				

LIC Initiatives

High Input	Once-A-Day	A2 Protein
1329	1298	A2/A2

DP - IRE

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*For single AI use only. See bottom of page 12 for more information

NEW ZEALAND DETAILS 95 NZ Daughters

HoofPrint™	gBW/Rel 376/78%
	Breeding Details
Nitrogen Efficiency	Split F11J5
Methane Efficiency	Sire GYDELAND EXCEL INCA S3F
	MGS NEVRON SHOWMAN
	MGGs SCOTTS NORTHSEA

Milk	579	Milkfat	57 /5.3	Protein	38 /4.1
Somatic Cell Count	-0.07	Cow Calving Diff	0.2 /94	Heifer Calving Diff	1.9 /77
Gestation Length	2.2	Body Condition	0.07	Total Longevity	486
Fertility	2.1	Liveweight	-2	Survival	-1

NZ Evaluation Data 47 Daughters TOP Inspected

Management	BV	-0.5	0	0.5	1.0
Adapts to Milking	0.26				
Shed Temperament	0.24				
Milking Speed	-0.11				
Overall Opinion	0.30				
Conformation	BV	-0.5	0	0.5	1.0
Stature	-0.18				
Capacity	0.51				
Rump Angle	0.25				
Rump Width	-0.17				
Legs	0.02				
Udder Support	0.40				
Front Udder	0.22				
Rear Udder	0.37				
Front Teat Placement	0.03				
Rear Teat Placement	0.33				
Udder Overall	0.36				
Dairy Conformation	0.45				

LIC Initiatives

High Input	Once-A-Day	A2 Protein
1395	1370	A2/A2

DP - INT

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*For single AI use only. See bottom of page 12 for more information


Dam of **BOULEVARD**
**TBA HORIZON
BOULEVARD-ET**

EBI/REL
228/49%

Half Sister of **REMARKABLE**
**TBA KEGZYS
REMARKABLE**

EBI/REL
151/53%
IRELAND VALUES

Milk Prod SI	139	Survival	2.55
Fertility SI	46	Cow Calving Difficulty	1.81
Calving SI	53	Heifer Calving Difficulty	4.93
Beef SI	-40	Somatic Cell Count	0.18
Health SI	-11	Milk kg	65
Maintenance SI	38	Fat kg/%	24/0.36
Management SI	3	Protein kg/%	16/0.24
Calving Interval (days)	-1.11	Pedigree Status	-

IRELAND VALUES

Milk Prod SI	62	Survival	1.28
Fertility SI	51	Cow Calving Difficulty	1.95
Calving SI	45	Heifer Calving Difficulty	4.26
Beef SI	-52	Somatic Cell Count	0.04
Health SI	-4	Milk kg	-193
Maintenance SI	44	Fat kg/%	11/0.33
Management SI	6	Protein kg/%	4/0.19
Calving Interval (days)	-2.82	Pedigree Status	-

NEW ZEALAND DETAILS
123 NZ Daughters

HoofPrint™	gBW/Rel 265/80%
	Breeding Details
	Split F10J6
	Sire SAN RAY FM BEAMER-ET S2F
	MGS PUKETAWA AD SUPERSTITION
	MGGS VALDEN HI APPLAUSE-ET S2F

Milk	819	Milkfat	49 /4.9	Protein	44 /4.0
Somatic Cell Count	0.19	Cow Calving Diff	0 /91	Heifer Calving Diff	2.0 /82
Gestation Length	-3.6	Body Condition	0.03	Total Longevity	358
Fertility	-0.5	Liveweight	34	Survival	19

NEW ZEALAND DETAILS
82 NZ Daughters

HoofPrint™	gBW/Rel 337/77%
	Breeding Details
	Split F10J6
	Sire DRYSDALES SOVEREIGN
	MGS FAIRMONT MINT-EDITION
	MGGS OKURA MANHATTAN ET SJ3

Milk	483	Milkfat	52 /5.3	Protein	37 /4.2
Somatic Cell Count	-0.44	Cow Calving Diff	0.7 /69	Heifer Calving Diff	0.2 /41
Gestation Length	-0.7	Body Condition	0.06	Total Longevity	431
Fertility	1.8	Liveweight	17	Survival	-39

NZ Evaluation Data
59 Daughters TOP Inspected

Management	BV	-0.5	0	0.5	1.0
Adapts to Milking	0.09				
Shed Temperament	0.04				
Milking Speed	0.14				
Overall Opinion	0.23				
Conformation	BV	-0.5	0	0.5	1.0
Stature	0.22				
Capacity	0.92				
Rump Angle	0.13				
Rump Width	1.36				
Legs	0.11				
Udder Support	0.40				
Front Udder	0.27				
Rear Udder	0.60				
Front Teat Placement	-0.07				
Rear Teat Placement	-0.18				
Udder Overall	0.47				
Dairy Conformation	0.75				

NZ Evaluation Data
46 Daughters TOP Inspected

Management	BV	-0.5	0	0.5	1.0
Adapts to Milking	0.34				
Shed Temperament	0.31				
Milking Speed	0.10				
Overall Opinion	0.43				
Conformation	BV	-0.5	0	0.5	1.0
Stature	0.23				
Capacity	0.48				
Rump Angle	0.25				
Rump Width	0.29				
Legs	0.08				
Udder Support	0.70				
Front Udder	0.52				
Rear Udder	0.32				
Front Teat Placement	0.13				
Rear Teat Placement	0.38				
Udder Overall	0.57				
Dairy Conformation	0.47				

LIC Initiatives

High Input	Once-A-Day	A2 Protein
1333	1309	A2/A2

LIC Initiatives

High Input	Once-A-Day	A2 Protein
1386	1369	A1/A2


Daughter of **CRITICAL**
**FR5989 CROSSANS
CRITICAL-ET**

EBI/REL
188/55%
IRELAND VALUES

Milk Prod SI	92	Survival	2.89
Fertility SI	52	Cow Calving Difficulty	1.66
Calving SI	38	Heifer Calving Difficulty	3.58
Beef SI	-62	Somatic Cell Count	-0.05
Health SI	7	Milk kg	143
Maintenance SI	49	Fat kg/%	15/0.16
Management SI	12	Protein kg/%	13/0.13
Calving Interval (days)	-1.24	Pedigree Status	-

NEW ZEALAND DETAILS
1322 NZ Daughters

HoofPrint™

 Nitrogen Efficiency
 Methane Efficiency

gBW/Rel **300/89%**
Breeding Details
 Split F10J6
 Sire KRAAKMANS JAYDIE
 MGS ALCAMENO COMMANDER
 MGGS DAYSH'S LANDMARK GR

Milk	963	Milkfat	39 /4.6	Protein	39 /3.8
Somatic Cell Count	-0.43	Cow Calving Diff	-0.4 /92	Heifer Calving Diff	-0.7 /97
Gestation Length	-7.6	Body Condition	0.10	Total Longevity	513
Fertility	3.3	Liveweight	-10	Survival	-5

NZ Evaluation Data
96 Daughters TOP Inspected

Management	BV	-0.5	0	0.5	1.0
Adapts to Milking	0.42				
Shed Temperament	0.41				
Milking Speed	0.08				
Overall Opinion	0.44				
Conformation	BV	-0.5	0	0.5	1.0
Stature	-0.50				
Capacity	0.74				
Rump Angle	0.05				
Rump Width	-0.46				
Legs	0.14				
Udder Support	0.53				
Front Udder	0.48				
Rear Udder	0.49				
Front Teat Placement	0.35				
Rear Teat Placement	0.88				
Udder Overall	0.50				
Dairy Conformation	0.52				

LIC Initiatives

High Input	Once-A-Day	A2 Protein
1350	1327	A2/A2

DP - INT

icbf 11/2020



14/11/2020


Half Sister of **SPRINGTIDE**
**FR6733 TARAMONT
SPRINGTIDE**

EBI/REL
140/53%
IRELAND VALUES

Milk Prod SI	97	Survival	1.28
Fertility SI	15	Cow Calving Difficulty	2.04
Calving SI	48	Heifer Calving Difficulty	4.66
Beef SI	-52	Somatic Cell Count	0.14
Health SI	-9	Milk kg	65
Maintenance SI	39	Fat kg/%	14/0.20
Management SI	2	Protein kg/%	13/0.18
Calving Interval (days)	0.04	Pedigree Status	-

NEW ZEALAND DETAILS
103 NZ Daughters

HoofPrint™

 Nitrogen Efficiency
 Methane Efficiency

gBW/Rel **278/78%**
Breeding Details
 Split F10J6
 Sire DRYSDALES SOVEREIGN
 MGS BURWELLS RILEY
 MGGS NEVRON SHOWMAN

Milk	909	Milkfat	53 /4.9	Protein	45 /4.0
Somatic Cell Count	0.24	Cow Calving Diff	-1.0 /73	Heifer Calving Diff	0.1 /43
Gestation Length	-9.7	Body Condition	0.03	Total Longevity	366
Fertility	-0.4	Liveweight	36	Survival	15

NZ Evaluation Data
50 Daughters TOP Inspected

Management	BV	-0.5	0	0.5	1.0
Adapts to Milking	0.36				
Shed Temperament	0.41				
Milking Speed	0.17				
Overall Opinion	0.40				
Conformation	BV	-0.5	0	0.5	1.0
Stature	0.29				
Capacity	1.05				
Rump Angle	-0.19				
Rump Width	0.65				
Legs	0.08				
Udder Support	1.32				
Front Udder	0.79				
Rear Udder	0.84				
Front Teat Placement	0.41				
Rear Teat Placement	1.34				
Udder Overall	1.09				
Dairy Conformation	1.14				

LIC Initiatives

High Input	Once-A-Day	A2 Protein
1420	1384	A2/A2

DP - INT

icbf 11/2020



14/11/2020

Daughter of **SPOT ON****FR4965 WOODWARDS
SPOT ON**EBI/REL
201/61%Daughter of **INFERNO****TBA WALTON
INFERNO**EBI/REL
195/57%**IRELAND VALUES**

Milk Prod SI	114	Survival	3.82
Fertility SI	74	Cow Calving Difficulty	1.98
Calving SI	20	Heifer Calving Difficulty	5.74
Beef SI	-47	Somatic Cell Count	0.05
Health SI	-5	Milk kg	49
Maintenance SI	41	Fat kg/%	21/0.33
Management SI	3	Protein kg/%	13/0.19
Calving Interval (days)	-2.13	Pedigree Status	-

IRELAND VALUES

Milk Prod SI	80	Survival	3.03
Fertility SI	58	Cow Calving Difficulty	1.49
Calving SI	45	Heifer Calving Difficulty	4.27
Beef SI	-66	Somatic Cell Count	-0.11
Health SI	9	Milk kg	-250
Maintenance SI	57	Fat kg/%	10/0.36
Management SI	11	Protein kg/%	6/0.27
Calving Interval (days)	-1.60	Pedigree Status	-

NEW ZEALAND DETAILS

87 NZ Daughters

HoofPrint™ Nitrogen Efficiency Methane Efficiency		gBW/Rel	258/85%
Breeding Details			
Split	F9J7		
Sire	VANSTRAALENS VIBE		
MGS	SCOTTS NORTHSEA		
MGGS	HAZEL EMINENCE DANO-ET		

Milk	205	Milkfat	38 /5.3	Protein	22 /4.1
Somatic Cell Count	0.01	Cow Calving Diff	0.1 /91	Heifer Calving Diff	-0.5 /98
Gestation Length	2.2	Body Condition	0.16	Total Longevity	385
Fertility	1.5	Liveweight	5	Survival	58

NZ Evaluation Data

85 Daughters TOP Inspected

Management	BV	-0.5	0	0.5	1.0
Adapts to Milking	0.34				
Shed Temperament	0.36				
Milking Speed	0.12				
Overall Opinion	0.36				
Conformation	BV	-0.5	0	0.5	1.0
Stature	-0.23				
Capacity	1.18				
Rump Angle	-0.36				
Rump Width	0.08				
Legs	-0.01				
Udder Support	0.34				
Front Udder	0.36				
Rear Udder	0.35				
Front Teat Placement	-0.11				
Rear Teat Placement	0.22				
Udder Overall	0.40				
Dairy Conformation	0.90				

LIC Initiatives

High Input	Once-A-Day	A2 Protein
1297	1260	A2/A2

DP - INT

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*For single AI use only. See bottom of page 12 for more information

NEW ZEALAND DETAILS

119 NZ Daughters

HoofPrint™ Nitrogen Efficiency Methane Efficiency		gBW/Rel	320/86%
Breeding Details			
Split	F9J7		
Sire	PRIESTS SOLARIS-ET		
MGS	HOWIES CHECKPOINT		
MGGS	WOODCOTE TF MAXIMISER		

Milk	227	Milkfat	39 /5.3	Protein	31 /4.3
Somatic Cell Count	-0.53	Cow Calving Diff	-1.0 /82	Heifer Calving Diff	-1.0 /64
Gestation Length	-8.3	Body Condition	0.12	Total Longevity	422
Fertility	2.0	Liveweight	-3	Survival	-50

NZ Evaluation Data

107 Daughters TOP Inspected

Management	BV	-0.5	0	0.5	1.0
Adapts to Milking	0.48				
Shed Temperament	0.45				
Milking Speed	0.15				
Overall Opinion	0.44				
Conformation	BV	-0.5	0	0.5	1.0
Stature	-0.08				
Capacity	0.31				
Rump Angle	-0.15				
Rump Width	-0.26				
Legs	-0.04				
Udder Support	0.28				
Front Udder	0.35				
Rear Udder	0.04				
Front Teat Placement	0.53				
Rear Teat Placement	0.68				
Udder Overall	0.34				
Dairy Conformation	0.38				

LIC Initiatives

High Input	Once-A-Day	A2 Protein
1322	1319	A2/A2

DP - INT

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14/11/2020

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Half Sister of **SPRINGFIELD****TBA HOWSES
SPRINGFIELD**EBI/REL
211/53%**IRELAND VALUES**

Milk Prod SI	118	Survival	1.56
Fertility SI	41	Cow Calving Difficulty	1.92
Calving SI	43	Heifer Calving Difficulty	4.19
Beef SI	-60	Somatic Cell Count	-0.11
Health SI	12	Milk kg	21
Maintenance SI	56	Fat kg/%	21/0.35
Management SI	2	Protein kg/%	13/0.21
Calving Interval (days)	-1.75	Pedigree Status	-

NEW ZEALAND DETAILS

101 NZ Daughters

HoofPrint™		gBW/Rel 312/78%	
		Breeding Details	
		Split	F9J7
		Sire	DRYSDALES SOVEREIGN
		MGS	ARKANS BOOMTOWN
		MGGS	FAIRMONT MINT-EDITION

Milk	-297	Milkfat	34 /5.9	Protein	17 /4.4
Somatic Cell Count	-1.00	Cow Calving Diff	-0.8 /93	Heifer Calving Diff	-0.8 /95
Gestation Length	-1.9	Body Condition	0.14	Total Longevity	539
Fertility	4.4	Liveweight	12	Survival	64

NZ Evaluation Data

54 Daughters TOP Inspected

Management	BV	-0.5	0	0.5	1.0
Adapts to Milking	0.17				
Shed Temperament	0.17				
Milking Speed	0.20				
Overall Opinion	0.16				
Conformation	BV	-0.5	0	0.5	1.0
Stature	0.11				
Capacity	0.89				
Rump Angle	0.40				
Rump Width	0.29				
Legs	0.20				
Udder Support	0.68				
Front Udder	0.48				
Rear Udder	0.27				
Front Teat Placement	0.34				
Rear Teat Placement	0.70				
Udder Overall	0.55				
Dairy Conformation	0.70				

LIC Initiatives

High Input	Once-A-Day	A2 Protein
1342	1318	A2/A2

DP - INT

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14/11/2020

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Half Sister of **INSPIRED****TBA LUCK-AT-LAST
INSPIRED-ET**EBI/REL
229/50%**IRELAND VALUES**

Milk Prod SI	126	Survival	1.97
Fertility SI	54	Cow Calving Difficulty	1.69
Calving SI	49	Heifer Calving Difficulty	4.97
Beef SI	-38	Somatic Cell Count	0.10
Health SI	-5	Milk kg	81
Maintenance SI	38	Fat kg/%	22/0.33
Management SI	5	Protein kg/%	15/0.21
Calving Interval (days)	-2.37	Pedigree Status	-

NEW ZEALAND DETAILS

105 NZ Daughters

HoofPrint™		gBW/Rel 287/79%	
		Breeding Details	
		Split	F9J7
		Sire	SAN RAY FM BEAMER-ET S2F
		MGS	LYNBROOK RG TERRIFIC ET
		MGGS	SCOTTS NORTHSEA

Milk	426	Milkfat	40 /5.1	Protein	26 /4.0
Somatic Cell Count	0.25	Cow Calving Diff	-0.8 /89	Heifer Calving Diff	0.3 /97
Gestation Length	-6.0	Body Condition	0.12	Total Longevity	423
Fertility	1.6	Liveweight	-20	Survival	74

NZ Evaluation Data

52 Daughters TOP Inspected

Management	BV	-0.5	0	0.5	1.0
Adapts to Milking	0.22				
Shed Temperament	0.19				
Milking Speed	0.31				
Overall Opinion	0.34				
Conformation	BV	-0.5	0	0.5	1.0
Stature	-0.50				
Capacity	0.71				
Rump Angle	0.36				
Rump Width	0.47				
Legs	0.33				
Udder Support	0.53				
Front Udder	0.33				
Rear Udder	0.75				
Front Teat Placement	-0.11				
Rear Teat Placement	0.37				
Udder Overall	0.56				
Dairy Conformation	0.60				

LIC Initiatives

High Input	Once-A-Day	A2 Protein
1320	1291	A2/A2

DP - INT

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Daughter of **KARTELL****JE6007 LYNBROOK
KARTELL**EBI/REL
228/55%Daughter of **SNAPPER****JE5953 HYJINKS
SNAPPER**EBI/REL
210/57%**IRELAND VALUES**

Milk Prod SI	110	Survival	2.58
Fertility SI	68	Cow Calving Difficulty	1.78
Calving SI	48	Heifer Calving Difficulty	3.48
Beef SI	-47	Somatic Cell Count	0.03
Health SI	-4	Milk kg	-159
Maintenance SI	46	Fat kg/%	16/0.39
Management SI	8	Protein kg/%	11/0.29
Calving Interval (days)	-2.82	Pedigree Status	-

IRELAND VALUES

Milk Prod SI	108	Survival	2.23
Fertility SI	66	Cow Calving Difficulty	2.62
Calving SI	41	Heifer Calving Difficulty	4.39
Beef SI	-43	Somatic Cell Count	0.02
Health SI	0	Milk kg	-51
Maintenance SI	30	Fat kg/%	20/0.39
Management SI	8	Protein kg/%	11/0.22
Calving Interval (days)	-3.02	Pedigree Status	-

NEW ZEALAND DETAILS

76 NZ Daughters

HoofPrint™ Nitrogen Efficiency Methane Efficiency		gBW/Rel	251/85%
Breeding Details			
Split	J8F7	Sire	HOWIES ARKAN RAMADA ET
MGS	OKURA LIKA MURMUR S3J	MGGS	SCOTTS NORTHSEA

Milk	79	Milkfat	28 / 5.3	Protein	25 / 4.3
Somatic Cell Count	0.20	Cow Calving Diff	-0.7 / 94	Heifer Calving Diff	-1.1 / 98
Gestation Length	-4.4	Body Condition	-0.04	Total Longevity	301
Fertility	2.9	Liveweight	-22	Survival	-19

NZ Evaluation Data

70 Daughters TOP Inspected

Management	BV	-0.5	0	0.5	1.0
Adapts to Milking	0.25				
Shed Temperament	0.24				
Milking Speed	0.33				
Overall Opinion	0.29				
Conformation	BV	-0.5	0	0.5	1.0
Stature	-0.60				
Capacity	0.28				
Rump Angle	0.11				
Rump Width	0.44				
Legs	0.25				
Udder Support	0.43				
Front Udder	0.67				
Rear Udder	0.69				
Front Teat Placement	0.01				
Rear Teat Placement	0.07				
Udder Overall	0.62				
Dairy Conformation	0.15				

LIC Initiatives

High Input	Once-A-Day	A2 Protein
1280	1262	A1/A2

DP - INT

icbf 11/2020



14/11/2020

*For single AI use only. See bottom of page 12 for more information

NEW ZEALAND DETAILS

1287 NZ Daughters

HoofPrint™ Nitrogen Efficiency Methane Efficiency		gBW/Rel	235/89%
Breeding Details			
Split	J9F7	Sire	LYNBROOK TERRIFIC ET S3J
MGS	FAIRMONT MINT-EDITION	MGGS	SCOTTS NORTHSEA

Milk	-112	Milkfat	24 / 5.4	Protein	7 / 4.0
Somatic Cell Count	-0.27	Cow Calving Diff	0.1 / 92	Heifer Calving Diff	-0.3 / 86
Gestation Length	1.4	Body Condition	0.37	Total Longevity	551
Fertility	3.7	Liveweight	-4	Survival	191

NZ Evaluation Data

100 Daughters TOP Inspected

Management	BV	-0.5	0	0.5	1.0
Adapts to Milking	0.48				
Shed Temperament	0.48				
Milking Speed	0.13				
Overall Opinion	0.52				
Conformation	BV	-0.5	0	0.5	1.0
Stature	-0.26				
Capacity	0.48				
Rump Angle	0.37				
Rump Width	-0.66				
Legs	-0.01				
Udder Support	0.89				
Front Udder	0.58				
Rear Udder	0.63				
Front Teat Placement	-0.19				
Rear Teat Placement	0.55				
Udder Overall	0.63				
Dairy Conformation	0.47				

LIC Initiatives

High Input	Once-A-Day	A2 Protein
1255	1205	A1/A2

DP - INT

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Daughter of **EPIC**
JE4509 GLEN KORU
EPIC

EBI/REL
224/59%
IRELAND VALUES

Milk Prod SI	112	Survival	2.19
Fertility SI	78	Cow Calving Difficulty	2.01
Calving SI	26	Heifer Calving Difficulty	4.86
Beef SI	-49	Somatic Cell Count	0.03
Health SI	4	Milk kg	-29
Maintenance SI	54	Fat kg/%	15/0.28
Management SI	-1	Protein kg/%	13/0.25
Calving Interval (days)	-4.03	Pedigree Status	-

NEW ZEALAND DETAILS
1375 NZ Daughters

HoofPrint™ 		gBW/Rel 239/89%	
Nitrogen Efficiency Methane Efficiency		Breeding Details	
Split J9F7		Sire SERPENTINE CRUSADER	
MGS EWINGS IMPERIAL		MGGs SCOTTS NORTHSEA	

Milk	187	Milkfat	26 / 5.1	Protein	28 / 4.2
Somatic Cell Count	-0.12	Cow Calving Diff	-0.5 / 97	Heifer Calving Diff	-1.3 / 91
Gestation Length	1.2	Body Condition	0.03	Total Longevity	375
Fertility	2.4	Liveweight	-2	Survival	21

NZ Evaluation Data
75 Daughters TOP Inspected

Management	BV	-0.5	0	0.5	1.0
Adapts to Milking	0.16				
Shed Temperament	0.13				
Milking Speed	0.18				
Overall Opinion	0.26				
Conformation	BV	-0.5	0	0.5	1.0
Stature	0.09				
Capacity	0.29				
Rump Angle	-0.86				
Rump Width	0.10				
Legs	0.18				
Udder Support	0.37				
Front Udder	0.09				
Rear Udder	0.53				
Front Teat Placement	0.06				
Rear Teat Placement	0.18				
Udder Overall	0.39				
Dairy Conformation	0.26				

LIC Initiatives

High Input	Once-A-Day	A2 Protein
1260	1245	A2/A2

DP - INT
icbf 11/2020


14/11/2020

*For single AI use only. See bottom of page 12 for more information


Daughter of **CROSSFIRE**
JE5896 ZONA
CROSSFIRE

EBI/REL
189/63%
IRELAND VALUES

Milk Prod SI	76	Survival	2.78
Fertility SI	71	Cow Calving Difficulty	2.02
Calving SI	41	Heifer Calving Difficulty	4.53
Beef SI	-44	Somatic Cell Count	-0.08
Health SI	4	Milk kg	-76
Maintenance SI	33	Fat kg/%	14/0.31
Management SI	8	Protein kg/%	7/0.16
Calving Interval (days)	-2.89	Pedigree Status	-

NEW ZEALAND DETAILS
79 NZ Daughters

HoofPrint™ 		gBW/Rel 237/86%	
Nitrogen Efficiency Methane Efficiency		Breeding Details	
Split J9F7		Sire PRIESTS SOLARIS-ET	
MGS OKURA LIKA MURMUR S3J		MGGs SRB COLLINS ROYAL HUGO	

Milk	45	Milkfat	14 / 5.0	Protein	13 / 4.0
Somatic Cell Count	-1.01	Cow Calving Diff	-1.2 / 69	Heifer Calving Diff	-1.6 / 40
Gestation Length	-2.8	Body Condition	0.28	Total Longevity	665
Fertility	6.0	Liveweight	-3	Survival	177

NZ Evaluation Data
74 Daughters TOP Inspected

Management	BV	-0.5	0	0.5	1.0
Adapts to Milking	0.32				
Shed Temperament	0.34				
Milking Speed	0.20				
Overall Opinion	0.28				
Conformation	BV	-0.5	0	0.5	1.0
Stature	-0.07				
Capacity	0.81				
Rump Angle	-0.60				
Rump Width	-0.10				
Legs	-0.07				
Udder Support	0.10				
Front Udder	0.18				
Rear Udder	0.03				
Front Teat Placement	0.17				
Rear Teat Placement	0.06				
Udder Overall	0.21				
Dairy Conformation	0.57				

LIC Initiatives

High Input	Once-A-Day	A2 Protein
1220	1190	A2/A2

DP - INT
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14/11/2020



Daughter of SLIPSTREAM

**TBA SPEAKES
SLIPSTREAM ET**EBI/REL
195/62%

Daughter of DUEL

**TBA VAN STRAALENS
DUEL**EBI/REL
196/55%**IRELAND VALUES**

Milk Prod SI	88	Survival	1.93
Fertility SI	51	Cow Calving Difficulty	2.12
Calving SI	47	Heifer Calving Difficulty	5.30
Beef SI	-37	Somatic Cell Count	0.06
Health SI	5	Milk kg	-317
Maintenance SI	25	Fat kg/%	16/0.53
Management SI	14	Protein kg/%	4/0.28
Calving Interval (days)	-2.16	Pedigree Status	-

IRELAND VALUES

Milk Prod SI	124	Survival	1.53
Fertility SI	23	Cow Calving Difficulty	2.04
Calving SI	52	Heifer Calving Difficulty	4.58
Beef SI	-29	Somatic Cell Count	0.09
Health SI	-2	Milk kg	-161
Maintenance SI	19	Fat kg/%	22/0.5
Management SI	9	Protein kg/%	11/0.3
Calving Interval (days)	-0.32	Pedigree Status	-

NEW ZEALAND DETAILS

86 NZ Daughters

HoofPrint™ 		gBW/Rel 299/86%	
Nitrogen Efficiency Methane Efficiency		Breeding Details Split J10F6 Sire PUKEROA TGM MANZELLO MGS FAIRMONT MINT-EDITION MGGS TAWA GROVE MAUNGA ET SJ3	

Milk	-73	Milkfat	36 / 5.6	Protein	15 / 4.2
Somatic Cell Count	-0.07	Cow Calving Diff	-0.4 / 92	Heifer Calving Diff	0.2 / 98
Gestation Length	1.3	Body Condition	0.07	Total Longevity	609
Fertility	6.3	Liveweight	-3	Survival	217

NZ Evaluation Data

81 Daughters TOP Inspected

Management	BV	-0.5	0	0.5	1.0
Adapts to Milking	0.32				
Shed Temperament	0.27				
Milking Speed	0.24				
Overall Opinion	0.31				
Conformation	BV	-0.5	0	0.5	1.0
Stature	0.13				
Capacity	0.47				
Rump Angle	-0.07				
Rump Width	0.43				
Legs	-0.04				
Udder Support	0.94				
Front Udder	0.98				
Rear Udder	1.02				
Front Teat Placement	0.24				
Rear Teat Placement	0.41				
Udder Overall	1.09				
Dairy Conformation	0.52				

LIC Initiatives

High Input	Once-A-Day	A2 Protein
1341	1292	A2/A2

NEW ZEALAND DETAILS

101 NZ Daughters

HoofPrint™ 		gBW/Rel 244/86%	
Nitrogen Efficiency Methane Efficiency		Breeding Details Split J10F6 Sire PILSENS TITAN MGS KIRKS RI CHARISMA ET GR MGGS SRB CORBOYS LIGHTENING	

Milk	-47	Milkfat	35 / 5.6	Protein	18 / 4.2
Somatic Cell Count	0.02	Cow Calving Diff	-0.7 / 69	Heifer Calving Diff	-1.2 / 36
Gestation Length	-6.4	Body Condition	0.17	Total Longevity	294
Fertility	3.6	Liveweight	14	Survival	-53

NZ Evaluation Data

97 Daughters TOP Inspected

Management	BV	-0.5	0	0.5	1.0
Adapts to Milking	0.19				
Shed Temperament	0.17				
Milking Speed	0.10				
Overall Opinion	0.22				
Conformation	BV	-0.5	0	0.5	1.0
Stature	-0.05				
Capacity	0.76				
Rump Angle	-0.20				
Rump Width	-0.09				
Legs	0.28				
Udder Support	0.60				
Front Udder	0.62				
Rear Udder	0.58				
Front Teat Placement	-0.20				
Rear Teat Placement	0.38				
Udder Overall	0.56				
Dairy Conformation	0.63				

LIC Initiatives

High Input	Once-A-Day	A2 Protein
1298	1250	A1/A2


Daughter of **GAMEPLAN**
**JE5893 DUGGANS
GAMEPLAN**

EBI/REL
209/64%

Daughter of **REVENGE**
**JE5001 TAUNTS
REVENGE**

EBI/REL
208/65%
IRELAND VALUES

Milk Prod SI	109	Survival	1.75
Fertility SI	34	Cow Calving Difficulty	1.77
Calving SI	53	Heifer Calving Difficulty	3.72
Beef SI	-49	Somatic Cell Count	0.07
Health SI	-1	Milk kg	-405
Maintenance SI	55	Fat kg/%	19/0.64
Management SI	8	Protein kg/%	6/0.37
Calving Interval (days)	-0.94	Pedigree Status	-

NEW ZEALAND DETAILS
109 NZ Daughters

HoofPrint™ Nitrogen Efficiency Methane Efficiency		gBW/Rel 301/87%
Breeding Details Split J12F4 Sire PUKEROA TGM MANZELLO MGS SCOTTS NORTHSEA MGGS JUDDS ADMIRAL		

Milk	-557	Milkfat	36 /6.3	Protein	10 /4.6
Somatic Cell Count	0.06	Cow Calving Diff	-0.5 /91	Heifer Calving Diff	-2.5 /92
Gestation Length	-6.4	Body Condition	0.04	Total Longevity	248
Fertility	0.9	Liveweight	-36	Survival	-21

NZ Evaluation Data
90 Daughters TOP Inspected

Management	BV	-0.5	0	0.5	1.0
Adapts to Milking	0.50				
Shed Temperament	0.50				
Milking Speed	0.23				
Overall Opinion	0.42				
Conformation	BV	-0.5	0	0.5	1.0
Stature	-0.51				
Capacity	0.22				
Rump Angle	-0.28				
Rump Width	0.12				
Legs	-0.07				
Udder Support	0.44				
Front Udder	0.54				
Rear Udder	0.84				
Front Teat Placement	-0.11				
Rear Teat Placement	-0.48				
Udder Overall	0.66				
Dairy Conformation	0.30				

LIC Initiatives

High Input	Once-A-Day	A2 Protein
1294	1280	A2/A2

DP - INT
icbf 11/2020


14/11/2020

*For single AI use only. See bottom of page 12 for more information

IRELAND VALUES

Milk Prod SI	126	Survival	1.24
Fertility SI	36	Cow Calving Difficulty	1.88
Calving SI	47	Heifer Calving Difficulty	3.98
Beef SI	-39	Somatic Cell Count	0.12
Health SI	-5	Milk kg	-88
Maintenance SI	33	Fat kg/%	23/0.46
Management SI	10	Protein kg/%	12/0.27
Calving Interval (days)	-1.64	Pedigree Status	-

NEW ZEALAND DETAILS
105 NZ Daughters

HoofPrint™ Nitrogen Efficiency Methane Efficiency		gBW/Rel 230/86%
Breeding Details Split J10F6 Sire PUKEROA TGM MANZELLO MGS FAIRMONT MINT-EDITION MGGS WHINLEA PALAD ECKLAND-ET		

Milk	173	Milkfat	41 /5.4	Protein	24 /4.2
Somatic Cell Count	0.47	Cow Calving Diff	1.2 /66	Heifer Calving Diff	-2.3 /52
Gestation Length	-3.5	Body Condition	0.04	Total Longevity	225
Fertility	3.5	Liveweight	23	Survival	-58

NZ Evaluation Data
90 Daughters TOP Inspected

Management	BV	-0.5	0	0.5	1.0
Adapts to Milking	0.52				
Shed Temperament	0.53				
Milking Speed	0.22				
Overall Opinion	0.46				
Conformation	BV	-0.5	0	0.5	1.0
Stature	0.22				
Capacity	0.73				
Rump Angle	-0.42				
Rump Width	0.30				
Legs	-0.16				
Udder Support	0.29				
Front Udder	0.52				
Rear Udder	0.36				
Front Teat Placement	0.20				
Rear Teat Placement	0.38				
Udder Overall	0.50				
Dairy Conformation	0.73				

LIC Initiatives

High Input	Once-A-Day	A2 Protein
1283	1246	A2/A2

DP - INT
icbf 11/2020


14/11/2020

CLASSIC BULLS

NZ Bull Code	IREAI Code	Bull Name	EBI / Rel%	Milk Prod SI	Fertility SI	Maintenance SI	Health SI	Milk kg	Fat kg	Fat %	Protein kg	Protein %	Dairy Heifer Calv Diff	Dairy Cow Calv Diff	High Input	A2/A2	gBW / Rel
Holstein Friesian																	
112005	GGP	GOINGS MECCA PRIDE S1F	241 /94	92	82	25	2	261	11	0.01	16	0.12	4.35	2.03	1106	A1/A2	122 /98
110006	BGJ	BAGWORTH PF GRANDEUR S1F	232 /98	70	101	20	8	126	16	0.19	8	0.07	5.09	2.20	1212	A2/A2	160 /98
108235	MWW	MORTENSENS WE AWE-ET S3F	227 /96	64	103	29	5	223	9	0.00	11	0.06	6.06	2.42	1065	A1/A1	85 /99
111050	LKL	LASHS MS LEGION S1F	224 /85	83	102	9	-2	301	12	0.00	15	0.07	4.51	1.87	1063	A2/A2	21 /62
108214	BGU	BAGWORTH RM ARASMUS S2F	192 /92	67	82	17	3	137	7	0.04	11	0.11	5.62	2.22	1106	A2/A2	71 /89
111038	AKZ	ARKAN GH HORIZON S2F	180 /95	91	56	7	1	-22	14	0.26	10	0.19	6.72	2.76	1189	A2/A2	100 /98
106219	WDS	WHINLEA DAN SUPERSONIC-ET	179 /98	84	75	4	6	415	13	-0.05	16	0.03	6.04	2.51	1100	A2/A2	36 /99
110063	GFS	MAIRE PF GOLDEN BOY S2F	166 /95	71	49	28	7	214	14	0.09	11	0.06	4.82	2.04	1189	A1/A2	147 /99
112050	DGW	VOWLES DREAM GLIDER S2F	159 /84	75	50	14	-3	-9	18	0.32	6	0.11	5.94	2.20	1185	A1/A2	167 /68
Jersey																	
312059	JE2454	LYNBROOK GG QUICKSILVER	221 /63	100	71	57	7	-541	19	0.77	2	0.39	3.54	1.79	1295	A2/A2	321 /98
313055	JE2049	GLENUI 5-STAR HARRY ET	207 /83	91	61	42	11	-411	16	0.60	3	0.33	2.92	1.43	1246	A2/A2	234 /92
313017	JE4502	BONACORD MURMURS BOSWELL	197 /65	73	52	66	9	-296	16	0.50	2	0.23	2.82	1.29	1179	A2/A2	237 /87
311019	JJS	SOUTH LAND JERICO ET S3J	179 /91	84	43	43	6	-166	11	0.31	8	0.24	3.05	1.49	1134	A2/A2	149 /99
312014	YKF	CHARDONNAY FRANKIE	169 /83	88	48	46	7	-361	13	0.51	5	0.32	4.47	1.94	1188	A2/A2	248 /97
313020	JE4504	CRESCENT OLM ROSCO ET	152 /66	66	33	62	8	-172	11	0.32	5	0.19	2.16	1.42	1136	A2/A2	161 /93
311022	FCW	HILLSTAR TERRIFIC 5-STAR	129 /83	79	-3	49	7	-143	11	0.29	8	0.22	3.69	1.81	1167	A2/A2	168 /99
KiwiCross®																	
508140	HOW	HOWIES EASYRIDER	213 /96	88	65	42	7	-245	18	0.50	5	0.24	3.31	1.60	1260	A1/A2	268 /99
511041	APW	IL VERO AMORE POWER	185 /94	107	43	23	-8	120	14	0.15	15	0.18	4.36	1.96	1195	A1/A2	147 /99
511007	OKA	CASTLEGRACE MAKO	174 /95	91	46	25	-1	-247	12	0.39	8	0.29	4.76	2.01	1188	A2/A2	155 /98
514001	FR2467	OKURA ZIPPA	166 /67	96	51	45	-1	14	16	0.27	11	0.18	5.05	2.10	1165	A2/A2	204 /86
511052	YMD	MOODYS EXECUTIVE	157 /96	91	23	32	2	120	12	0.12	13	0.15	4.63	2.10	1177	A2/A2	160 /98

BEEFED UP FOR DAIRY

By Charlotte Gray, beef product specialist



In what is a significant shift forward in the animal welfare space, dairy farmers are more focused than ever on minimising the number of, and getting the most value-add return from their surplus calves.

This has coincided with a more targeted approach to artificial insemination with farmers being far more selective about which cows they're choosing to mate to elite dairy bulls.

After all, when the average difference in milk production between the top and bottom quarters of the herd is about NZ\$960 (€550) per cow¹, some serious questions hang over any decision to retain replacements from the herd's bottom end.

So when she's not going to produce a heifer replacement worth keeping, a reduction in surplus calves can be achieved, or the value from these surplus calves can be maximised, progressive farmers are thinking beef.

The ideal synergy is to increase the value of the calves born which must be profitable and saleable - with minimal risk to the cow.

First and foremost a dairy farmer's prosperity comes from milk income, but LIC believes beef sales worldwide are set to increase significantly over the next decade, and with many farmers sharing this view, it's a natural progression for LIC to complement its strong dairy offering by providing quality beef options.

LIC has aligned itself with trait and breed leaders in New Zealand's beef space to ensure that the beef genetics offered will tick the boxes for both dairy and beef farmers.

LIC's beef offering delivers value-add in several forms, be it short gestation length, polled, marbling, rapid growth to weaning or slaughter, or extremely feed efficient genetics.

LIC is proud to say it now offers its widest-ever variety of beef options, providing all types of dairy farmers the opportunity to diversify their revenue streams by taking a more targeted approach at mating time.

High growth, feed efficient Profit Maker™ composites, well-marbled Wagyu, and short gestation Angus are just a few of the breeds that are sharing the limelight with the traditional Hereford.

LIC's short gestation Hereford product is the highest-use beef product in New Zealand. Ranked on gestation length, a massive 75% of the 75 shortest gestation Hereford bulls in New Zealand were bred by Shrimpton's Hill - LIC's exclusive supplier and partnership for short gestation Hereford genetics. Having sold in excess of one million short gestation Hereford straws into the industry, Shrimpton's Hill are renowned as short gestation specialists, and continue to provide low birthweight, easier-calving genetics tailored specifically to the dairy farmer.

LIC's relationship with Rissington Cattle Company is yielding its own efficiencies. A tale of three brothers - these astute farmers recognised the importance of measurable feed efficiency across breeds, and through accurate feed intake recording, have bred bulls that eat significantly less feed whilst still achieving exceptional gains. Feed grown or imported into the system is one of the biggest limiting factors to production in both dairy and beef. With Rissington able to demonstrate that two yearling bulls



of the same liveweight and age grow at the same rate per day, yet one eats less than half the amount of dry matter compared to the other, why wouldn't you utilise the most feed efficient of the two.

Rissington's feed efficient short gestation Angus, Simmental, and Profit Maker™ - a composite made up mostly of Angus and Simmental genetics - are sharing the limelight now with the traditional and trusted Hereford product.

Understanding the differences between the breeds and bulls within breed is key, and farmer selection of beef genetics should always come back to the desired outcome.

Dairy farmers know more than anyone that bulls of one breed are not the same, and the same goes for beef. That Angus bull down the lane may look the part, but will he deliver on your non-negotiable traits.

Rissington's bulls are compared on a global database that contains over 1,000,000 animal records, so you can have confidence in their genetics, and some of Shrimpton's Hill Hereford bulls have in excess of 50,000 dairy-born progeny in New Zealand, testament to their calving ease.



Some breeds and bulls may suit one farm system better than others. Factors such as herd size, cow breed, staff, and the ability to take the beef-cross calves through to processing, or at what age the farm might opt to sell instead, will all have a bearing on the farmers decision.

To discuss what might best suit your farm, call your LIC representative.

1: In 2017 LIC researched millions of milk recording results, taking out 2 & 3-year-old cow information (these animals were deemed not to have reached mature production), as well as 9+year-old cow information: Information among all 4- to 8-year-old cows was split into quarters. Results showed the variation between the 'top-quartile' and 'bottom-quartile' of the production engine room, 4 to 8 year-olds, was a staggering difference of 160kg of milksolids (on average).

1 MILLION & COUNTING!!



This season South Canterbury based stud Shrimpton's Hill Herefords, in conjunction with LIC, chalks up 1 million straw sales since short gestation length semen 'lifted-off' in the dairy industry in 2012.

John and Liz McKerchar are owners of the beef farm, an impressive operation that is nowadays specifically tailored to service the dairy industry. The couple's decisive entrepreneurial flair has seen them carve-out a classic market niche within the fast-changing dairy industry.

"To top 1 million straw sales is incredible," John says.

"It's a huge endorsement of our breeding programme to reach such a milestone. It's also a big endorsement of a wonderful breeding partnership we have with LIC - we couldn't have done it without LIC in terms of their market share, market reach, and promotion of the product.

"So we're very grateful to have a contract, and it's a very close relationship that works well both ways."

THE STARS ALIGNED

Until 2012 Shrimpton's had been ticking away as yet another supplier to what was an established, mature, beef industry.

"But it's true that about 10 years previous to that, in the early 2000s, we could see things were changing," John says.

"We wanted to grow our business, but beef cow numbers across the industry just weren't growing, and yet the dairy cow numbers were.

"When Fonterra was formed, the animal welfare accord suggested that inducing was to be phased out. It was pretty simple for us to say, 'well if you've got a shorter gestation bull you've got a greater opportunity to market it than a longer gestation bull'.

"That gave us a point of difference we were looking for. We sourced the shortest gestation bull we could find on breedplan, in the Hereford world, and started breeding from there.

"To be fair we didn't do that with our whole herd - we just added it as a sideline... and at times there we nearly

gave it away because some years you'd sell little or no semen, and then you'd get a sale to the odd company and that would encourage us to keep going.

"But inducing got forgotten about for a bit, and dairy herds were expanding that fast that everything was being kept, and a lot were being induced."

In 2012 Malcolm Ellis, at the time LIC's bull acquisition manager (now LIC's GM NZ Markets), gave John and Liz McKerchar a call "out-of-the-blue."

"We were just ticking away here doing an AI (artificial insemination) programme, but Malcolm encouraged us to do embryo transplants and scale-up our AI, and we agreed to a contract. With the LIC supply agreement in place it really gave us the confidence to reinvest, and it was easy for us to commit the whole herd down the SGL path."

John says their operation still sells bulls to the beef industry, and it remains an important aspect of the business: "But we knew back in 2012 there were only 950,000 beef cows in the country and only 300,000 in the South Island.

"Herefords aren't the preferred breed - Angus is, and beef cow numbers were diminishing. We saw the opening with the dairy industry with the white-face calf being so easily identified. We asked ourselves, 'what does the dairy industry really want?'

It wanted days-in-milk.

With SGL today firmly entrenched in the dairy industry (generally put over lower breeding worth cows and later-calvers in the herd), it's estimated by LIC that more than \$4 million in extra production will be collectively added to farmer milk dockets this spring, all courtesy of the shorter gestation lengths of Shrimpton Hill Herefords.

WHAT NOW?

John concedes that big initial gains in gestation length are getting incrementally thinner and harder to make as time goes on.

"We go to the extremes of the bell curve when we're looking for genetics that will enhance the SGL programme, but we're mindful of a lot of the other traits that we have to keep an eye on - to run our cows on the tussock country we need them to be good-doing cattle, they need survivability, and we like to buy semen out of bulls with high scrotal so they've got good fertility - that's crucial in our environment."

But the real "Achilles heel" is new bloodlines, John says.

"We're at the outer limits of the SGL in the Hereford world, and we have to accept lower, shorter, gestation lengths to get an outcross - there are a couple of other New Zealand-based studs concentrating on similar programmes to us, but we've basically all got the same genetics."

So Shrimpton's Hill Stud has turned to Australia to solve the threat of inbreeding.

"We've imported semen from quite a few bulls from Australia because their population is simply larger than ours and there's a lot more AI done over there - we can only purchase genetics that have been AI'd.



"So we've found a stud over there where everything is measured - they concentrate on low birth weight, high-growth rate bulls, and there's very good carcass data. Every now and again they pop out an SGL bull so we hook in to that and we're basically getting all those other traits for nothing."

Shrimpton's Hill will take two new sires a year from the Australian stud for the next five years, John says.

OTHER DEVELOPMENTS

Calving ease is always a factor, John says, "because it's the first thing that will wreck our product," but with a sire proving programme now in place at LIC, safeguards had just gone up another level.

"Going forward, 1000 straws from each of up to 10 bulls will be taken and evaluated throughout New Zealand, and the best of those bulls will be picked to replace the bulls at Newstead (LIC's bull farm).

Use of these young bulls early on will give farmers greater confidence in the gestation length and calving ease of these bulls as they graduate

into 'proven' Herefords.

"That will help us immensely," John says, because it'll help the McKerchar's own on-farm breeding programme by identifying elite bulls for use in AI and embryo transfer; this should ensure the incremental gains keep progressing.

John says another factor was that when Herefords went over dairy cows, their rankings underwent change: "For example bulls that are only moderate for gestation length (breeding values) in the Hereford world might actually really deliver beyond expectations on the dairy scale for gestation length.

"Being able to know which bulls of these young bulls are punching at or above their weight with how they convert to days on the dairy scale will really empower breeding decisions going forward - that's when you say, 'wow, we're on to something here'."

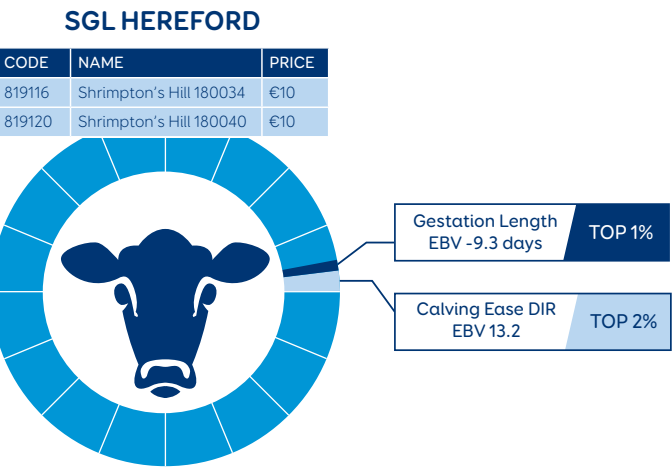
No argument there. It's clearly evident farmers are also on to something when they pick Shrimpton's Hill Herefords as part of their mating strategy.

BEEF OPTIONS

LIC Ireland offers beef semen to farmers to provide them with more opportunities to enhance their farm business. It's a simple formula; the best cows are used to breed the next generation of replacement heifers, while the lower end cows provide dairy beef calves. Genetic gain in the herd is accelerated and at the same time extra revenue is generated through dairy beef opportunities.

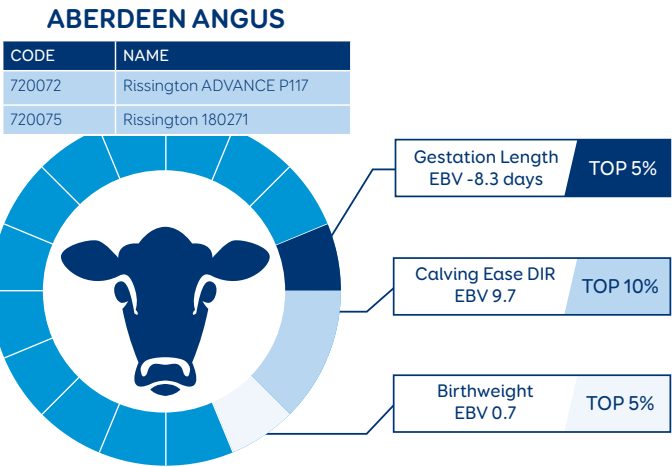
SHORT GESTATION LENGTH (SGL) HEREFORD

SGL Hereford Shrimpton's Hill is specifically bred for short gestation length and calving ease. This year's bulls have average short gestation length of -9.3 days.



SGL ABERDEEN ANGUS

Angus cattle are a black beef breed that can be traced in Scottish history as far back as the 16th century. They are known for finely marbled meat, where the fat is dispersed evenly against the actual cut of meat. The marbling trait of Angus typically creates a tenderer, juicy flavourful meat compared to some other beef breeds.



WAGYU

Wagyu is a beef breed that originated in Japan. It is often considered as the 'Rolls Royce' of beef for its high level of fat marbling that makes it extremely tender, juicy and delicious. For the first time LIC Ireland is offering Wagyu beef semen to use over dairy animals. Farmers can add value to non-replacement calves by producing dairy beef calves that can be sold and raised for beef. We are delighted to be able to offer two top-class Wagyu bulls.

Pictured left: Ohanasaki Brilliant S3032

SPECKLE PARK

Speckle Park are polled, medium frame (mature cow 650-800kg and mature bull 1000-1200kg), early maturing and incredible yielding carcass with impressive weight gains targeting 18 month markets. Speckle Park are high marbling yet perfect fat covering with impressive quality, fine tender eating meat. Freddy Flint is from the Kilbarry Speckle Park herd in Co. Cork. Speckle Park can offer ease of calving with added conformation and marking.

Kilbarry FREDDY FLINT		
SPECKLE PARK		
HB No: SPZIRLM212169730446	SP6394	
DBI Dairy Beef Index	€ 18	39%
Dairy Cow Calving - Difficulty %	9.1	39%
Dairy Heifer Calving - Difficulty %	4.5	39%
Gestation - Days	0.91	39%
Carcass Weight - Kgs	0.9	42%



BELGIAN BLUE

The Belgian Blues are from the Kilmainham herd in Co. Laois. Belgian Blues over any dairy breed can enhance the carcass quality to your calf, also will colour mark progeny. Belgian Blue calves top suckling calf sales year on year.

Kilmainham MITCH		
BELGIAN BLUE		
HB No: BBLIRLM213916510366	BB5584	
DBI Dairy Beef Index	€ 82	45%
Dairy Cow Calving - Difficulty %	7.2	49%
Dairy Heifer Calving - Difficulty %	12.5	28%
Gestation - Days	2.29	43%
Carcass Weight - Kgs	25.8	45%



Kilmainham MADMAN		
BELGIAN BLUE		
HB No: BBLIRLM213916510367	BB5587	
DBI Dairy Beef Index	€ 93	45%
Dairy Cow Calving - Difficulty %	6.5	48%
Dairy Heifer Calving - Difficulty %	12.1	27%
Gestation - Days	1.34	43%
Carcass Weight - Kgs	23.7	45%



IRISH BULL BREEDING PROGRAMME

BULLS COME ON-STREAM IN IRELAND

For over 20 years, Irish farmers have been using our high-quality pasture-based genetics. We are teaming up with those same farmers to produce bulls from leading Irish herds through LIC's genomic selection breeding programme in Ireland, the Irish Bull Breeding Programme (IBB).

The IBB complements our flagship delivery of high quality daughter-proven New Zealand LIC genetics to Irish farmers with an LIC genomic bull offering from within Ireland itself.

The young bulls undergo genomic evaluation using LIC's long-standing expertise in both purebred and crossbred animal evaluation, in addition to evaluation on EBI.

Uniquely, these bulls have both gBW and gEBI figures, with the very best picked for The Forwards® team.

The Forwards

The Forwards bulls are sourced from Irish LIC Premier Club members' herds. These herds have spring-calving grass-based systems and contain many exceptional cows. The young bulls are the offspring of matings between high EBI cows, most with strong LIC pedigrees, and the very best of LIC's elite daughter-proven bulls, available through the Premier Club.

Our breeding experts examine the candidate bull's pedigree, physical attributes and cow family information to increase the accuracy of delivering genetics to further improve the



genetic merit of your herd.

Evaluation using both EBI genomic evaluation and LIC's own powerful genomic evaluation tool, the Single Step Animal Model (SSAM), provides a more reliable estimate of a bull's genetic quality at a young age than that from ancestry alone. With both gBW and gEBI to look at, The Forwards® bring you a unique opportunity to fast track genetic gain in your herd.

Our programme manager, John Tobin proudly presents the latest bull from the IBB.

"It is a privilege to breed these bulls with Irish farmers. The programme is in its third year and the hard work is starting to pay-off. This year we bring an exciting new Irish-bred bull to the market - Coolhull Daly from Neil Daly's farm in Wexford. Coolhull Daly has a rich LIC pedigree. An Arkans Beaut (JE4270) son out of a high milk solids and fertility daughter of Priests Sierra (ZSP), he has Hazael Sweetdream (HZS) as his maternal great-grandsire. The F13J3 dam, in her 4th lactation is predicted to achieve over 600kgms with 4.74% Fat and 4.17% Protein. A highly efficient, average-sized cow, she

IBB Bulls (subject to availability)

IRE AI Code	Name	gBW/Rel %	Fertility BV	Milk Volume BV (l)	Fat BV (kg/%)	Protein BV (kg/%)	SCC BV	Longevity BV	Heifer Calving Diff BV	Cow Calving Diff BV	Liveweight BV	Body Condition Score BV	Capacity BV
FR6277	LIC Coolhull Daly	218/60	2.3	651	29/4.7	37/4.0	-0.47	563	0.2	0.0	51	0.2	0.8
-	LIC Kilvoige Aaron	297/54	4.8	-70	43/5.8	14/4.2	0.18	463	-1.5	-0.4	4	0.2	0.7
-	LIC Brooklawn Moonlight Eclipse	265/56	2.8	142	26/5.2	26/4.2	-0.49	405	-0.7	-0.4	-14	0.0	0.3
-	LIC Kilvoige Stephen	198/56	1.2	529	39/5.0	25/3.9	-0.03	422	1.5	0.1	38	0.0	0.3
-	LIC Newbawn Lily	152/50	5.1	257	29/5.1	15/3.9	-0.28	281	0.3	0.1	57	0.3	0.6
-	LIC Moorehill Max	345/58	4.7	479	45/5.2	30/4.0	-0.14	873	-0.5	-0.1	22	0.3	0.5
-	LIC Moorehill Galaxy	205/55	6.5	118	16/5.0	20/4.1	-0.07	538	-0.5	0.0	9	0.2	0.3
-	LIC Ahabeg Defender	174/52	6.1	197	27/5.1	9/3.8	-0.09	424	-0.3	0.0	30	0.3	0.4
TEAM AVERAGE		232/55	4.2	288	32/5.1	22/4.0	-0.17	496	-0.2	-0.1	25	0.2	0.5



has a strong fertility sub-index at 5.8 (gBW) and 104 (EBI).

“The incoming pipeline of bulls looks very promising too, with the 2020 crop producing candidates worthy of the SPS program in New Zealand. While the motivation is to create herds that are more efficient converters of feed-to-profit, we’re always mindful that a balanced approach is paramount.” John adds, “The balanced approach to breeding not only delivers profit on farm, but ensures that resulting cows have good shed-attributes, the physical capacity to compete (i.e. get

their share of feed), and an ability to walk, conceive, and stay in-calf.”

A Taste of the 2020 bulls

Eclipse is a Glen Koru Epic son (JE4509) out of a Moodys Executive (YMD) cow coming from Cathal Lowry’s herd in Galway. The F9J7 dam’s five-year production average is 660kgms. Fertility is proven, at 364 days CI to date. Eclipse is 275 gEBI and 276 gBW.

Joining him is Moorehill Max with 349 gBW and 252 gEBI, sired by the well-known Carsons FM Cairo (FR4507), impressive on fertility at 4.8 gBW (the

dam’s six-year CI average is 371 days).

Andrew Dineen’s bull Aaron is a G-Force (JE4558) son with good fertility indexes. His dam is doing milk solids in excess of her liveweight in her first lactation. Aaron is 310 gBW and 269 gEBI.

To order or for advice on how to use The Forwards® bulls as part of your breeding programme, contact your LIC Ireland breeding advisor.

Udder overall BV	High Input	EBI/Rel %	Milk SI	Fertility SI	Calving	Milk kg	Fat kg/%	Protein kg/%	Dairy Heifer Calv Diff	Dairy Cow Calving Difficulty	Sire	Breed Split	A2 Status
0.5	1269	228/55	92	93	41	-57	14/0.28	10/0.21	5.2	2.1	ARKANS BEAUT ET	F11J5	A1/A2
0.4	1299	269/48	109	105	49	-200	21/0.52	8/0.27	4.9	2.0	VAN STRAALENS G-FORCE	J10F6	A1/A2
0.2	1257	268/49	114	94	36	88	15/0.21	15/0.21	4.2	2.1	GLEN KORU EPIC	F8J8	A2/A2
0.3	1223	260/47	108	95	39	-75	23/0.45	9/0.21	5.7	2.4	PRIESTS SIERRA	F12J4	A2/A2
0.6	1221	268/47	110	99	42	-88	23/0.48	9/0.21	5.2	1.6	CRESCENT EXCELL MISTY ET	F8J8	A2/A2
0.5	1346	266/50	100	109	57	58	17/0.26	12/0.17	3.9	1.7	CARSONS FM CAIRO S3F	F12J4	A2/A2
0.2	1202	253/48	120	87	38	11	19/0.32	14/0.24	5.3	2.1	GLEN KORU EPIC	F9J502	A2/A2
0.9	1235	232/50	100	74	36	-36	24/0.45	8/0.16	4.7	2.6	VAN STRAALENS G-FORCE	F11J5	A1/A2
0.4	1257	256/49	107	95	42	-37	20/0.37	11/0.21	4.9	2.1			

CONTACTS

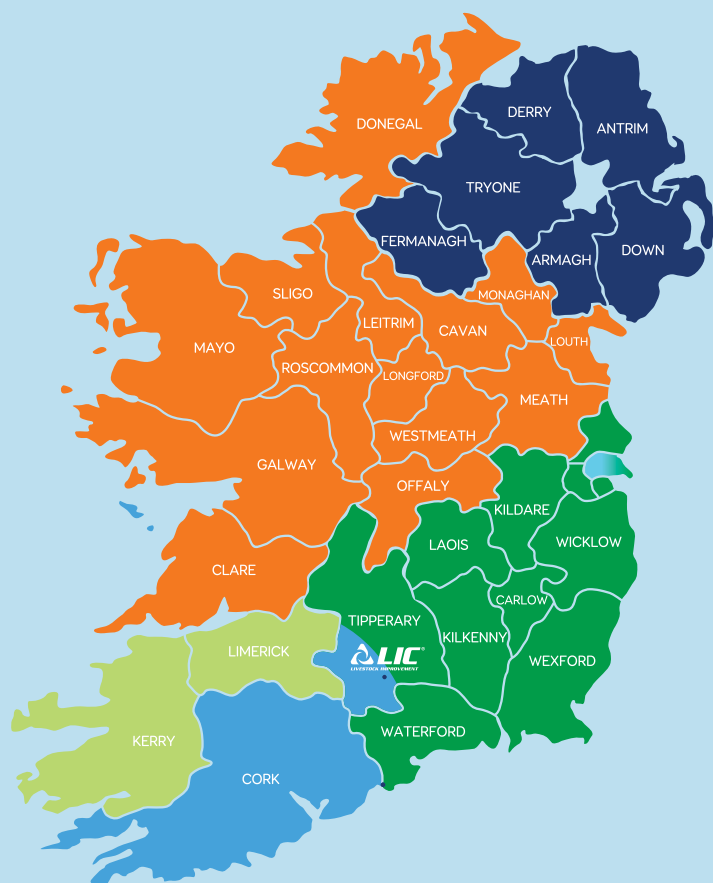
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