


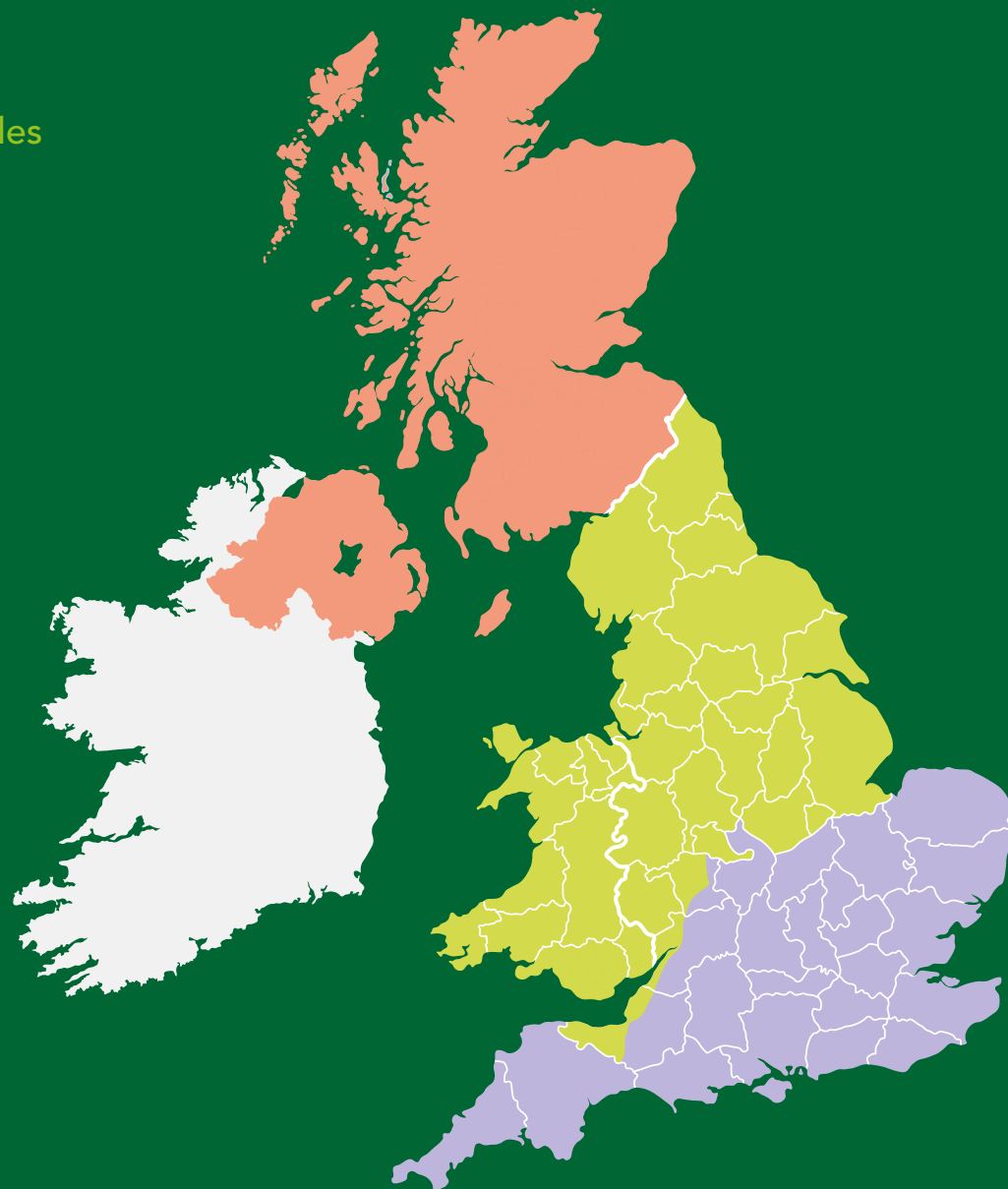


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## INTRODUCTION

Ireland Genetics is committed to bringing superior Irish beef and dairy genetics to the global farming community. Our genetics are developed by the National Cattle Breeding Centre (NCBC), on behalf of our shareholders, Munster Cattle Breeding Group and Progressive Genetics.

A line-up of independently proven sires, created through the application of pioneering innovation and expertise combined with unrivalled infrastructure and research, our beef and dairy breeding programmes are the largest and most successful in Ireland, delivering.

- 9 out of 10 of the most used beef sires in Ireland
- 9 out of 10 of the most used dairy sires in Ireland

We breed cows to fit your farm so you don't have to constantly adapt your farm to fit their needs!

Profitable, fertile cows that live longer.



# THE ECONOMIC BREEDING INDEX (EBI)

## The Irish Dairy Industry and the Development of The Economic Breeding Index (EBI)

The Economic Breeding Index (EBI) was developed to achieve the balance between financial, environmental and welfare needs of the Irish industry. EBI is a single figure profit index aimed at helping farmers identify the most profitable bulls and cows for breeding dairy herd replacements. It comprises of information on seven sub-indexes related to profitable milk production. These are; (i) milk production, (ii) fertility, (iii) calving performance, (iv) beef merit, (v) maintenance, (vi) management and (vii) health.

During their lifetime profitable dairy cows:

- produce more milk, fat and protein efficiently
- are more fertile
- last longer
- have less sickness
- are easy care
- have smaller greenhouse gas emissions as a proportion of output.

These characters have been captured in the EBI and the EBI is formulated using accurately estimated heritability's for the traits included and weighted in a balanced way to address profitability, sustainability and welfare for Irish Dairy Farmers. To remain relevant the formulation of the EBI is reviewed each year and tweaked based on the best data available at the time.

The two traits with the greatest emphasis are Production and Fertility.

## Production

The Production sub-index is formulated to emphasise the growing value of milk Fat and Protein and the trend for payment systems to reward for extra Fat and Protein production.

## Fertility

Fertility has become the limiting factor for production in many modern herds and addressing the infertility issue is the single biggest problem facing most dairy farmers around the world. Cows that are slow going back in calf or fail to go back in calf significantly reduce farm profit and have negative welfare and environmental impacts.

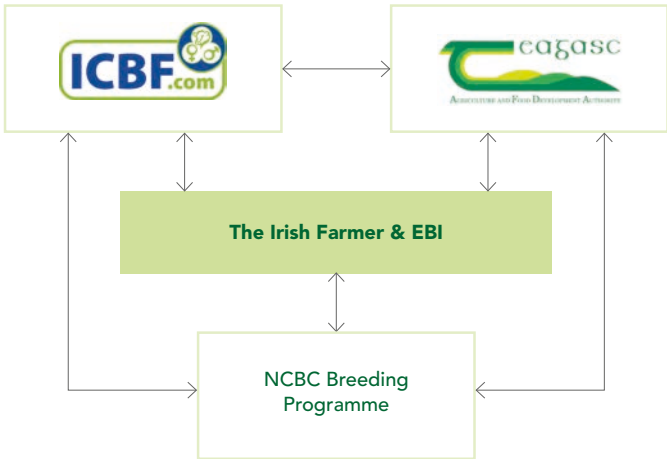
However cows with good fertility will:

- survive to mature lactations (3+ lactations)
- produce more milk per lactation (22% more in 3rd lactation compared to 1st lactation).

Figure 1: The Economic Breeding Index

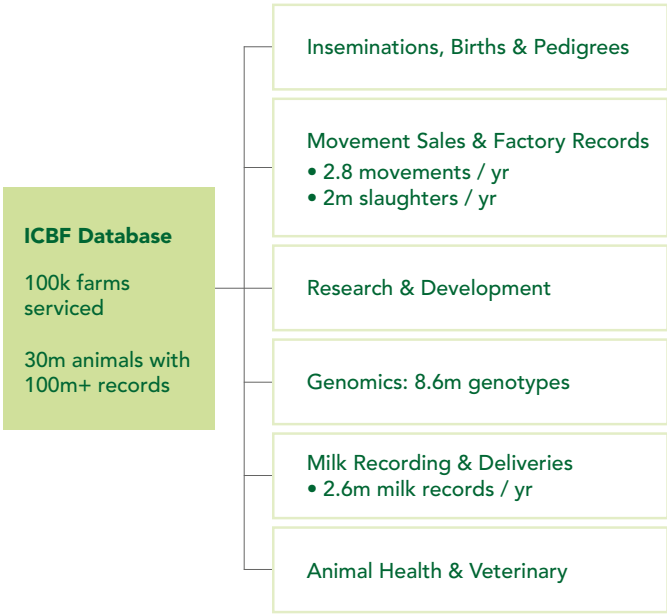
Sub-index	Trait	Emphasis	Emphasis
Production	Milk (kg)	10.6%	33%
	Fat (kg)	3.4%	
	Protein (kg)	18.9%	
Fertility	Calving interval (d)	24.0%	35%
	Survival (%)	10.9%	
Calving	Calving difficulty dir (%)	2.9%	9%
	Calving difficulty mat (%)	1.4%	
	Gestation (d)	4.2%	
	Calf mortality (%)	1.0%	
Maintenance	Cow (kg)	7.3%	7%
Beef	Carcase weight (kg)	5.2%	9%
	Carcase conformation (units)	1.8%	
Health	Lameness	0.6%	3%
	Mastitis	0.8%	
	SCC	1.8%	
Management	Milking duration	2.1%	4%

## The Irish Cattle Breeding Industry and the Development of EBI



## ICBF Independent National Database

The Irish Cattle Breeding Federation (ICBF) is an independent body jointly owned by the industry stakeholders. The organisation is responsible for the development and maintenance of the National Cattle Breeding Database and providing services to farmers and the wider industry.



## Teagasc

Teagasc – the Agriculture and Food Development Authority – is the national body providing integrated research, advisory and training services to the agriculture and food industry and rural communities.

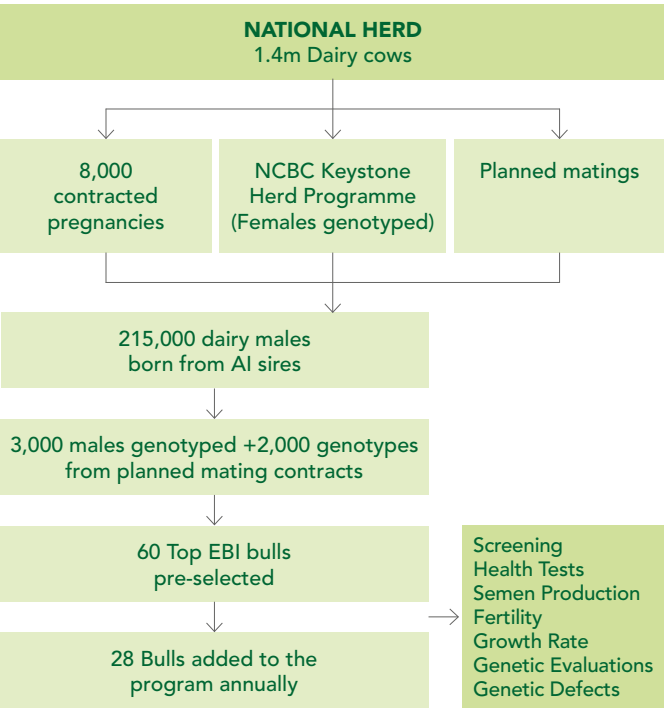
Teagasc has gained a worldwide reputation for its' innovative work, leading ground breaking research into the fields of breeding, feeding and management, for dairy and beef farms. In addition to their work on food processing and animal health, they also lead major projects exploring the relationship between farming and the environment.

## The NCBC Dairy Breeding Programme

Our breeding programme has been developed over the last 20 years through collaboration with the renowned researchers at Teagasc and the geneticists at the Irish Cattle Breeding Federation (ICBF). We have successfully adapted genomic technology which has resulted in a fourfold increase in the annual rate of genetic gain and Ireland now has over 1 million genotypes in our national database. Our collaborative group share a common objective of Profitable, Sustainable and Welfare friendly farming.

### Breeding Objectives:

- 1 calf per cow per year
- 1 kg of milk solids per kg of body weight
- 5+ lactations per cow



# UNDERSTANDING EBI & HOW TO ACHIEVE YOUR BREEDING GOALS

Genomic, ICBF May 2017

EBI & SUB INDEXES		
	€	Rel
EBI	€282	55
Production	€67	63
Fertility	€164	51
Calving	€34	85
Beef	-€15	44
Health	€2	42
Maintenance	€26	40
Management	€3	15

## Economic Breeding Index

EBI, Economic Breeding Index (€); Indicates the profit/lactation expected for a bull’s progeny compared to an average animal. In practical terms, the latest work by Teagasc has indicated that each €1 gain in herd EBI is worth €1.96 in terms of additional net profit per cow per year.

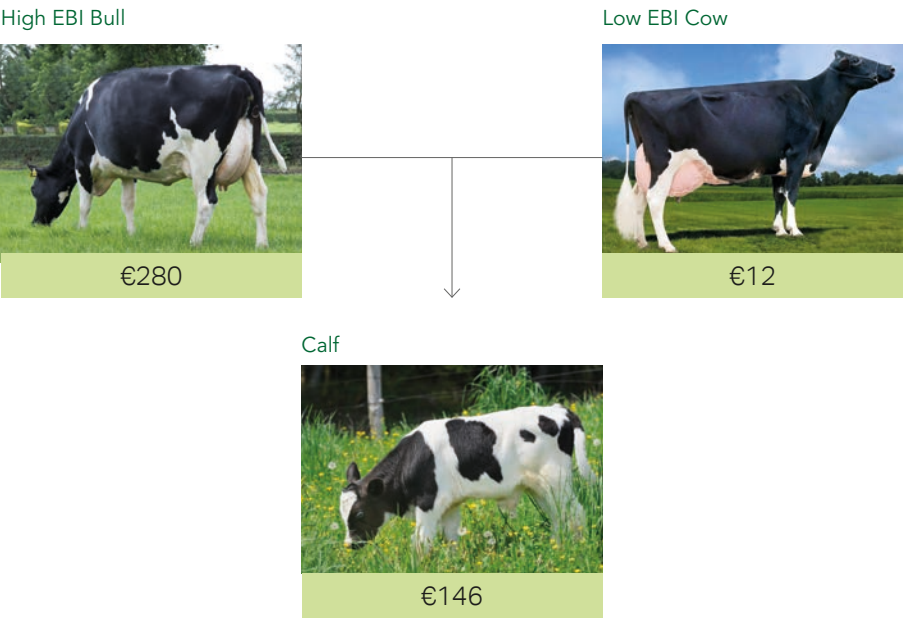
### Example

Taking a 100 cow herd with an average Herd EBI of €130 (equivalent to the top 1% of herds nationally) compared to a 100 cow herd with an average herd EBI of €70.

$130 - 70 = €60$  (difference in EBI)  
 $60 \times €1.96 = €118$  per cow/year additional profit  
 $€118 \times 100 = €11,800$  additional profit per year per 100 cows.

## How Can I Breed High EBI Replacement Heifer Calves?

This depends on what the actual Index values of the Bull and the Cow have. A High EBI Bull from the active bull list with an index of €280 and a low EBI Cow with an index of €12 will give you a calf with an index of €146. The calf’s initial index is calculated by adding the index of the sire and dam together and dividing by two\*. This example shows us that breeding high EBI replacements can be achieved even if your cows do not have a high EBI figure to start with.



Base	Base for production (305-day)		
	Milk Yield	Fat/Protein KG	Fat/Protein%
1st Lact	5538kg	216.3kg/188kg	3.9%/3.39%
2nd Lact	6246kg	243.7kg/216.1kg	3.9%/3.46%
3rd Lact (mature cows)	6587kg	258kg/227.1kg	3.92%/3.45%

The base for production & fertility is 2005 born heifers, calved and milk recorded in 2007.

## The Performance of the Base Cow comes with a Caution

It can be hugely variable between years and within systems of milk production. So for example, while the 2005 born heifers in spring milk herds produced 4,929 kg milk in their first lactation, those born in winter milk herds produced 8,421 kg.

PRODUCTION			
Milk (Kg)	124	Daus	0
Fat (Kg)	11.6	Herds	0
Protein (Kg)	10.2	% Rel	63%
Fat %	+0.11		
Protein (%)	+0.09		

## Milk Production

The daughters of a bull with a PTA of 134kg for milk yield would be expected to produce, on average, 100kg more milk per lactation than the daughters of a bull with a PTA of 34kg if their dams have equal genetic merit.

The daughters of a bull with a PTA of +0.11% for fat and +0.09% for Protein will produce milk with a 0.2% higher solid content compared to daughters of a bull with a PTA 0% of if their dams have equal genetic merit.

Note : The actual difference will not be exact for comparing individual daughters because no two daughters would get exactly the same combination of genes or be exposed to exactly the same environment.

FERTILITY			
Calving Int (Days)	-5.21	Daus	0
Survival (%)	3.78	Herds	0

## Calving Interval (Days)

Bulls with negative values for CI will reduce calving interval of their daughters. Base cow is 400 days based on 2005 heifers.

## Survival %

Bulls with positive values will increase survival (longevity/herdlife) of their daughters. Base cow is 82.5%.

Results suggest that a fertility sub-index of almost €85, combined with good management, is necessary to achieve the required herd fertility performance targets (Buckley, 2017)



CALVING				
Calving Diff	2.7	99	% Rel	
Dau Calving	6.82	48	% Rel	
Gest Len (Days)	-4.66	99	% Rel	
Calf Mort	0.23	98	% Rel	

Calving Difficulty (CD%)

Calving difficulty (CD%) is directly related to the bull calving difficulty. Increasing CD% indicates increased incidence of difficult calving’s.

**Example**  
CD% of 2% means that 2% of a Bull’s calves have been recorded difficult calving’s i.e. 1 in 50.

For heifers the figure for CD% should be ≤2.0% with a reliability of ≥ 90%

Gestation Length

Gestation Length is directly related to the length of gestation for the bull and does not include the dam effect. i.e. the duration of pregnancy.

**Example**  
In Ireland the average gestation length for HO/FR is 282 days. Therefore, -3.31 days is equivalent to a gestation length of 279 days (excluding the dam effect).

BEEF		
Carcass Wt	-6	Average
Carcass Conf	-0.89	Average

Beef

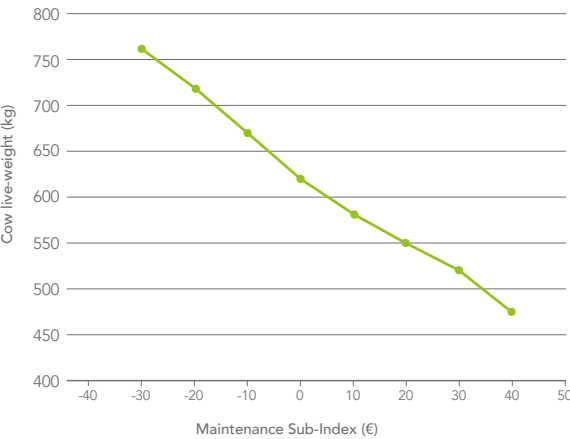
Beef value is related to the value of the cull cow based on weight and confirmation of carcass – and has a direct effect on calf value.

**Example**  
In EBI, the beef value is balanced with the maintenance figure. The lower the figure the smaller the animal.

Maintenance

Animals of higher maintenance sub-index (i.e., genetically lighter) are indeed lighter animals. Each €10 increase in cow maintenance sub-index was associated with 41.6 kg lighter cow live-weight, (22,705 records).

Figure 1: Mean cow-liveweight across different maintenance sub-index values



MANAGEMENT		
Temperament	0.01	Average
Milking Speed	-7.2	Average

Milk Time (sec)

Milk Time (sec) indicates the speed of milking of a bulls’ daughters. **Negative values are desired** – indicating that daughters take less time to be milked.

**Example**  
If a bull’s daughters take on average 10 seconds longer per milking, that translates into an extra 1hr and 40 mins per daughter spent in the parlour per lactation.

Milking Temperament

This indicates whether daughters of a bull are easy or difficult to handle in the milking parlour. **Positive values are desired.**

HEALTH		
Lameness	-0.04	Good
SCC	-0.03	Average
Mastitis (%)	-0.03	Good

Health Traits

Bulls with negative values for lameness, SCC and Mastitis % will improve overall animal health traits of their daughters.

Animals with a poor breeding value for health traits will, on average, also be genetically inferior for production traits (i.e., milk production, fertility, carcass value) and survival traits and therefore, animals will be penalised for these traits in the EBI.

Herd Milk SCC levels above 100,000 mean you are losing money. On average mastitis costs farmers €60/cow/year.

Individual cow SCC greater than 150,000 cells/ml or an individual heifer SCC greater than 120,000 cells/ml indicates infection in that animal.

The actual emphasis on health traits in the EBI is far greater than perceived. (Ring et al. 2016)



EBI IN ACTION

Is EBI Working for Irish Dairy Farmers?

Ireland is the only country in the world that can collate large data sets of farm financial performance and link farm profitability to genetic merit (Ramsbottom, 2017). This being said, the latest work by Teagasc has indicated that each €1 gain in herd EBI is worth €1.96 in terms of additional net profit per cow per year.

Applying these figures to a herd with an EBI of €130 (equivalent to the top 1% of herds nationally) relative to the average herd (at €70); this equates to a difference of €118/cow/year, or €11,800 for a 100 cow herd.

These findings confirm two things:

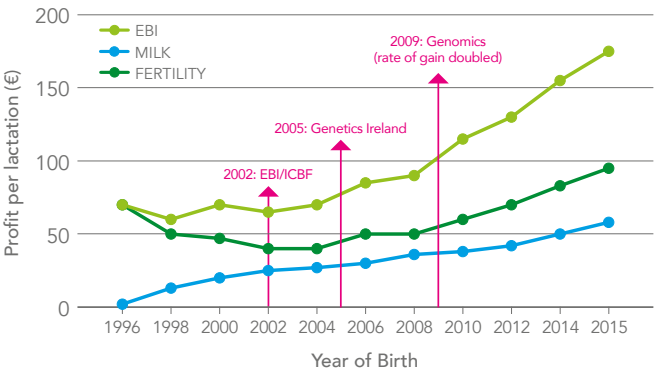
- Firstly, that the EBI model has held well as the dairy industry transitions from a quota to a post-quota environment;
- Secondly, that selecting bulls on the basis of EBI remains the appropriate choice for profit focused dairy farmers.

Trends in EBI, Milk and Fertility Traits

From the inception of EBI, we have been able to consistently improve our profit per lactation year on year.

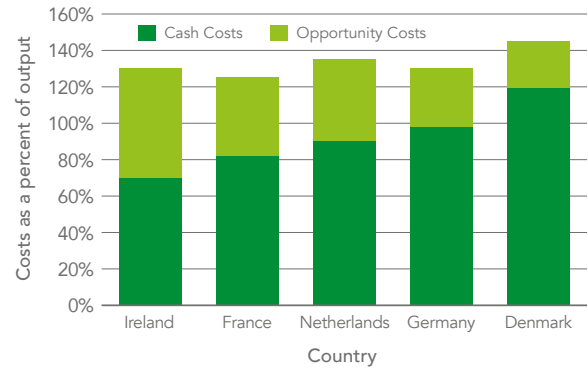
With the implementation of genomics, EBI has delivered approx. €587m additional profit to the Irish dairy industry since 2002. With the current rate of gain, this additional profit is expected to double (€1.15bn) by 2020.

Figure 1: Trends in EBI, milk and fertility traits 1996-2015



Ireland is still one of the lowest cash cost producers of milk internationally. (Thorne et al. 2017)

Figure 2: Estimated cash and economic costs as a per cent of milk output for specialist milk producers in EU(2015)

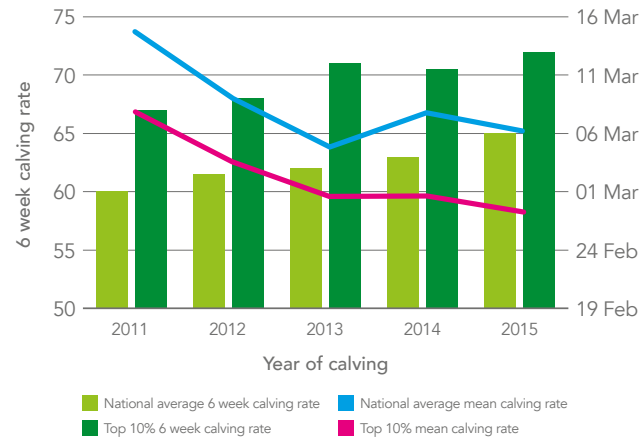


EBI and Fertility

The 6 week calving rate in the national herd is continuously improving, with the top 10% of herds at 75% in 2016.

The mean calving date has also been reducing by two days year on year.

Figure 3: Changes in 6 week calving rate and mean calving date from 2011-2015



With days in milk proving vital to the success on a dairy farm, farmers are focusing hard on reducing their calving interval by improving their fertility and reducing their calving to 1st service interval.

Currently, 47% of Irish herds have a calving interval of ≤365 days. Across all herds, calving interval is reducing by on average 3 days per annum.

Figure 4: Calving Interval

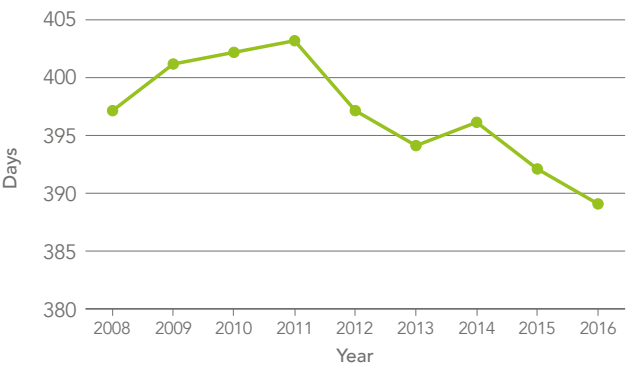


Figure 5: Fertility figures globally

KPI	ROI	UK	USA	NZ	AUS	Latam
Calving Interval (days)	387	414	439	370	401	400
Conception Rate 1st service %	58	33	35	52	38	40

The current calculated cost for each day over 365 days for Calving Intervals in the UK is £6.85 per cow and the current calculated cost in the Republic of Ireland is €12.

For every 10 days, this is equivalent to €120 or £68.50.

In the UK this is equivalent to the following:

414 days – 365 days = 49 days x £6.85 = £335.65 per cow.

The current average UK Dairy Herd size is 143 cows.

£335.65 x 143 cows = £47,997.95 cost to the average UK Dairy farm per annum.

EBI and Health

Figure 6: Mastitis and somatic cell count

Country	Ireland	USA	Denmark	UK	NZ
Somatic cell count SCC 2016	175,000	203,000	200,600	185,000	187,000

Figure 7: SCC & farm profitability

SCC cells/ml	<100,000 cells/ml	100,001 – 200,000 cells/ml	200,001 – 300,000 cells/ml	300,001 – 400,000 cells/ml	400,000 cells/ml
Net Farm Profit €	31,252	26,771	19,661	16,936	11,768
Incidence of infection on farm	>20%	20%	30%	40%	<40%
Litres lost per cow per lactation	0	-174	-309	-367	-422

Impact of Mastitis on the physical and financial outputs of a typical 40 hectare farm.

According to Animal Health Ireland, in the last five years, a huge change has been made through alternative breeding goals and management practices, reducing the 243 cells/ml to an outstanding 175 cells/ml.



# RESEARCH INTO PRACTICE: THE NEXT GENERATION HERD

Figure 8.

	Elite	Nat. Avg.	Diff.
Milk yield (kg/cow)	5642	5911	-269
Fat (%)	4.52	4.22	0.3
Fat (kg)	258	252	6
Protein (%)	3.74	3.54	0.2
Protein (kg)	215	213	2
Milk solids yield (kg/cow)	473	465	8
Somatic cell count ('000 cells/ml)	110	128	-18
Milk receipts (30 c/l)	1988	1947	41
Submission rate (%)	92	86	6
Conception 1st service (%)	60	46	14
6 week in-calf rate (%)	73	58	15
Final pregnancy rate 12 weeks (%)	92	81	11
Calving to conception interval	97	101	-4
No. of services	1.57	1.77	0.2
Average body condition score	2.94	2.75	0.19
Average live weight (kg)	514	523	-9

Irish farmers and researchers seek to ensure we are going in the right direction! To this end we have established some research herds to validate our progress.

One such herd is called the “Next Generation Herd” which is based at the Teagasc Research facility at Moorepark. There is a very simple premise for this herd by assembling two groups of animals the “Elite” group (High EBI) and the “National Average” (NA) group, (animals with EBI’s close to the national average). It is a young herd with a feed rate of 0.09 Kg / cow / litre.

The two groups have been managed as a single genotyped herd over a number of years, any differences between the groups will be accounted for by genetic differences only.

Results show “Elite” animals to have lower milk yields with an improved milk composition, as well as exceptional reproductive performance, reducing calving interval by 4.2 days, increasing submission rate to 90% and conception rates up to 60% etc., showing the more profitable genetics available to farmers through the use of EBI.

Figure 9: EBI summary of the Next Generation Herd

Sub-indices (€)								
	EBI	Milk	Fert	Calving	Beef	Maint	Health	Mgt
Elite	154	37	80	33	-12	13	1	2
Nat. Avg.	51	17	13	26	-8	2	1	0

Figure 10: Production figures of the Next Generation Herd

Production							
	Milk (Kg)	Fat (Kg)	Fat %	Prot (Kg)	Prot (Kg)	Calving Interval (d)	Survival %
Elite	-18	7.2	0.14	4.2	0.08	-4.2	2.3
Nat. Avg.	46	4.1	0.04	2.5	0.02	-0.9	0.2

# AI ON MAIDEN HEIFERS IS MONEY WELL SPENT

## Security at Calving

- Accurate Easy Calving figures
- Heifers hit the ground running
- Will go back in-calf easier

## Heifers are your Best Genetics

**They should have higher conception rates. Increases the number of possible replacements.**

*Get your Heifers bred quickly using a simple, reliable sysnc programme where necessary.*

Figure 11: Synchronisation programme for maiden heifers

SYNCHRONISATION PROGRAMME FOR MAIDEN HEIFERS	
Day 0	Introduce vasectomised bull 1 week in advance or apply scratch cards or crayons.
Day 1–7	AI heifers when on heat. Will get 1/3 this week.
Day 7 or 8	Inject PG to all heifers not bred, usually 2/3 of them AI heifers when on heat.
Day 18 or 19	Majority will be on heat 48-72 hours post injection. Be extra vigilant at this time.
	Reinject PG to those not bred. Should be very few heifers.
	AI heifers when on heat or 72 and 96 hours post 2nd PG injection. Watch for all repeats.





BULL INDEX AND SUMMARY

AI Code	Name	Pedigree	Proof	EBI	Milk SI	Fert SI	Calv SI
FR4547	(IG) DOONMANAGH SEVILLE	PED	GS	289	111	127	58
FR4728	(IG) KILFEACLE PIVOTAL	PED	GS	310	124	114	57
FR6163	(IG)CRUACH VALEGRO SRM	SRM	GS	289	95	131	48
FR4513	(IG) BALLYGOWN ALBERT	PED	GS	289	135	95	53
FR5803	(IG) HIGHMOUNT STARK	PED	GS	275	123	93	42
FR5530	(IG) RATHLANNON ESMONDE SRM	SRM	GS	281	111	129	25
FR4482	(IG) SPRINGHAVEN SUPREME*	PED	GS	274	88	138	46
FR6085	(IG) OLCASTLETOWN PICASSO	PED	GS	270	135	89	48
FR5208	(IG) PALLASKENRY ARCO SRM	SRM	GS	271	60	144	42
FR6145	(IG)PARKDUV ANDES	PED	GS	267	101	98	52
FR5908	(IG) CARRAIGBUI STRADA SRM	SRM	GS	254	93	105	57
FR6142	(IG)WATERWHEEL COSWORTH SRM	SRM	GS	256	74	111	60
FR6139	(IG)LISDUFF PERCEPTION	PED	GS	252	100	99	39
FR4760	(IG) CORNASLIEVE VIRGINIA	PED	GS	242	95	108	31
FR4510	(IG) RONNOCO MILAN*	PED	GS	244	95	116	26
FR4842	(IG) BALLYMADDOCK HEYWOOD	PED	GS	247	77	128	55
OTS	(IG) BALLINTOSIG RING O	PED	DP-IRL	281	94	107	57
FR4337	(IG) GABRIEL ZORO*	SRM	GS	243	102	89	44
YKA	(IG) ARDKYLE MOUNT EVERET	SRM	DP-IRL	267	89	118	49
FR4588	(IG) BRIDESTREAM LEVERET	JEX	GS	257	94	71	55
LHZ	(IG) LAURAGH EVERT	PED	DP-IRL	256	68	133	36
FR4738	(IG) BALLYMAW NOVA SRM*	SRM	GS	239	98	85	47
FR4515	(IG) WATERWHEEL WINSTON	SRM	GS	250	42	142	42
FR4545	(IG) BALLYDOOGAN TEMPLE	PED	GS	244	94	73	59
PKR	(IG) PARKDUV MOUNT EVEREST	PED	DP-IRL	236	77	121	24
FR4532	(IG) CAHERAGH MAYSON	SRM	GS	243	123	55	56
FR4540	(IG) CLOONEYBEAG EXCEED	SRM	GS	234	99	80	54
PHC	(IG) CURRIHEVERN RUDOLPH	PED	DP-IRL	233	93	84	41
FR5313	(IG)FARNIVANEADH ARAMON SRM	SRM	GS	225	90	71	57
FR4686	(IG) MOUNTDUDLEY JOKER	PED	GS	233	107	72	39
FR2298	(IG) OLCASTLETOWN RONALDO	PED	DP-IRL	223	82	92	33
FR2056	(IG) MODELIGO WHISPER	SRM	DP-IRL	228	74	81	64
OET	(IG) OLDCASTLETON EARNEST	PED	DP-IRL	219	53	123	44
FR2036	(IG) DERRYLAMOGUE VINCENT	PED	DP-IRL	218	70	113	41
FR2239	(IG) DIAMOND ANTON	SRM	DP-IRL	205	79	75	50
FR4548	(IG)CAPPASOUTH KAPRI	PED	GS	195	70	73	57
FR4164	(IG) NEXTGEN ACTION	SRM	DP-IRL	188	52	96	46
OMG	(IG) MODELIGO GRAND MAN	SRM	DP-IRL	202	50	94	44
FR4197	(IG) CALIBER CORDAL	PED	DP-IRL	191	49	90	53

Tier 1 Bulls

Tier 2 Bulls

Tier 3 Bulls

Tier 4 Bulls

\* Sexed semen available

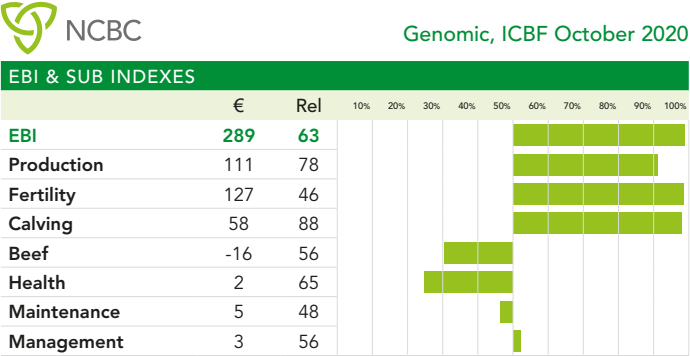
Beef SI	Health SI	Maint SI	Milk Kg	Solids Kg	Fat %	Prot %	HFR Calv	Gest
-16	2	5	-35	28	0.28	0.25	Y	-6
-11	5	15	346	40	0.12	0.12	Y	-5
-4	14	2	73	28	0.24	0.15		-4
-11	5	4	356	43	0.15	0.14		-6
-9	6	17	201	37	0.21	0.17		-3
1	5	9	100	32	0.24	0.18		-4
-11	8	1	182	26	0.09	0.12		-4
-13	2	2	358	43	0.14	0.14		-5
-22	17	24	-166	15	0.31	0.17	Y	-4
-5	12	6	228	32	0.15	0.11	Y	-5
-3	-3	1	272	30	0.08	0.09		-5
-19	11	14	107	23	0.15	0.1		-5
-5	13	-2	397	34	0.03	0.06		-3
-6	12	1	121	27	0.17	0.15	Y	-3
-12	14	7	-9	23	0.2	0.22		-3
-20	2	2	-35	23	0.31	0.14	Y	-5
1	13	6	128	29	0.21	0.13	Y	-5
-11	6	8	3	25	0.2	0.23		-5
-14	12	12	-15	24	0.26	0.18	Y	-4
-14	19	21	-10	25	0.24	0.2		-5
-16	9	21	-45	18	0.22	0.15		-3
-12	4	9	208	31	0.16	0.11		-5
-14	17	15	70	13	0.08	0.06		-4
-4	14	7	515	33	-0.1	0.02	Y	-5
-12	5	18	172	25	0.12	0.08		-1
-8	3	11	158	40	0.32	0.15	Y	-5
-15	5	8	341	28	-0.07	0.12	Y	-5
-11	9	15	-44	24	0.26	0.21		-4
1	1	1	312	30	0.06	0.07		-5
-10	14	12	250	34	0.15	0.12	Y	-3
-3	8	5	114	22	0.09	0.14	Y	-3
-9	4	18	97	25	0.24	0.08	Y	-6
-11	2	9	161	16	0.02	0.06	Y	-4
-20	8	8	29	14	0.03	0.18	Y	-3
5	-7	1	382	28	-0.03	0.03		-5
-24	4	15	22	16	0.09	0.16	Y	-6
-22	2	16	131	15	0.01	0.07		-5
-10	6	7	-44	15	0.22	0.1	Y	-4
-16	6	15	-28	10	0.09	0.13	Y	-4





HB No.: HOLIRLM214299461179      Sire: COOLNASOON ART / FR2249  
Bred by: John P. Galvin,      Dam: DOONMANAGH FJM SNOWDROP 2  
Lispole, Co. Kerry      G Sire: DOONMANAGH HMY MOSSY / FJM  
Date of Birth: 24/02/2017  
Breed: HO  
Beta Casein: A2A2  
Kappa Casein:  
aAa: 432516  
Colour: 0

DAM YIELDS	Milk Kgs	Fat Kgs	Ptn Kgs	F+P	BFat%	Ptn%	Clv Int
4 Lact	6941	296	279	575	4.82	4.30	371
Average	6045	274	245	519	4.56	4.04	351
Life (4 Lct)	19654	889	783	1672	4.52	3.98	

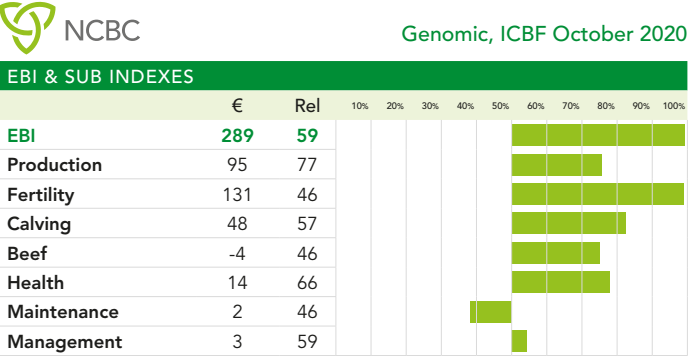


PRODUCTION			
Milk (Kg)	-35	Daus	0
Fat (Kg)	14.5	Herds	0
Protein (Kg)	13.2	% Rel	78
Fat %	+0.28		
Protein (%)	+0.25		
CALVING			
Dairy Heifer Calving Diff %	5.7	90	% Rel
Dairy Cow Calving Diff %	2.2	96	% Rel
Dau Calving	5.4	42	% Rel
Gest Len (Days)	-5.8	99	% Rel
Calf Mort	-0.1	94	% Rel
BEEF			
Carcass Wt	-8	Average	
Carcass Conf	-0.7	Average	
TYPE			
Overall	-0.6		
Udder	-0.2		
Feet and Legs	-1.1		
FERTILITY			
Calving Int (Days)	-7.0	Daus	0
Survival (%)	+3.2	Herds	0
HEALTH			
Lameness	-0.01	Average	
SCC	0.00	Average	
Mastitis (%)	-0.01	Average	
MANAGEMENT			
Temperament	0.11	Average	
Milking Speed	3	Average	



HB No.: HOLIRLM218699882180      Sire: (IG) DIAMOND ANTON  
Bred by: Mark O'Brien,      Dam: CRUACH LHZ SALLY 1372 (VG 85)  
Rathmoyle, Co Kilkenny      G Sire: IMLEACH LUCKY GLOSS  
Date of Birth: 11/03/2019  
Breed: HO  
Beta Casein: A2/A2  
Kappa Casein:  
aAa: #N/A  
Colour: 0

DAM YIELDS	Milk Kgs	Fat Kgs	Ptn Kgs	F+P	BFat%	Ptn%	Clv Int
5 Lact	7547	378	307	685	5.01	4.07	388
Average	6890	332	272	603	4.79	3.95	358
Life (5 Lct)	29634	1392	1150	2542	4.70	3.88	

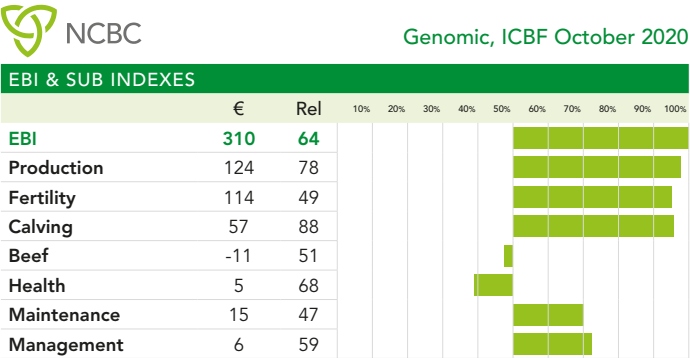


PRODUCTION			
Milk (Kg)	73	Daus	0
Fat (Kg)	16.8	Herds	0
Protein (Kg)	11.3	% Rel	77
Fat %	+0.24		
Protein (%)	+0.15		
CALVING			
Dairy Heifer Calving Diff %	4.8	56	% Rel
Dairy Cow Calving Diff %	1.9	64	% Rel
Dau Calving	5.4	44	% Rel
Gest Len (Days)	-4.1	61	% Rel
Calf Mort	-0.4	47	% Rel
BEEF			
Carcass Wt	-2	Average	
Carcass Conf	-0.4	Above Ave	
TYPE			
Overall	-1.1		
Udder	-1.2		
Feet and Legs	-0.9		
FERTILITY			
Calving Int (Days)	-7.6	Daus	0
Survival (%)	+2.8	Herds	0
HEALTH			
Lameness	-0.05	Good	
SCC	-0.10	Good	
Mastitis (%)	-0.07	Good	
MANAGEMENT			
Temperament	0.02	Average	
Milking Speed	-8	Average	



HB No.: HOLIRLM219765491921      Sire: (IG) LONGVIEW RELIABLE / LWR  
Bred by: Michael Marnane,      Dam: KILFEACLE OLIVE 1589  
Tipperary, Co Tipperary      G Sire: (IG) LAURAGH EVERT /LHZ  
Date of Birth: 23/01/2018  
Breed: HO  
Beta Casein: A2/A2  
Kappa Casein:  
aAa: 423516  
Colour: 0

DAM YIELDS	Milk Kgs	Fat Kgs	Ptn Kgs	F+P	BFat%	Ptn%	Clv Int
4 Lact	9873	359	345	704	3.64	3.49	370
Average	8139	314	289	603	3.89	3.54	353
Life (4 Lct)	27944	1086	984	2070	3.89	3.52	

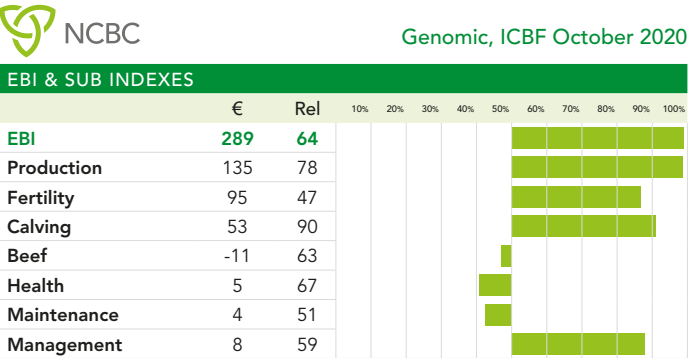


PRODUCTION			
Milk (Kg)	346	Daus	0
Fat (Kg)	20.9	Herds	0
Protein (Kg)	19.0	% Rel	78
Fat %	+0.12		
Protein (%)	+0.12		
CALVING			
Dairy Heifer Calving Diff %	4.8	86	% Rel
Dairy Cow Calving Diff %	2.1	97	% Rel
Dau Calving	4.7	48	% Rel
Gest Len (Days)	-4.9	99	% Rel
Calf Mort	-0.3	95	% Rel
BEEF			
Carcass Wt	-5	Average	
Carcass Conf	-0.7	Average	
TYPE			
Overall	-1.4		
Udder	-1.0		
Feet and Legs	-1.5		
FERTILITY			
Calving Int (Days)	-6.5	Daus	0
Survival (%)	+2.6	Herds	0
HEALTH			
Lameness	-0.07	Good	
SCC	0.08	Average	
Mastitis (%)	-0.04	Good	
MANAGEMENT			
Temperament	0.09	Average	
Milking Speed	-8	Average	



HB No.: HOLIRLM218391261487      Sire: COOLNASOON ART / FR2249  
Bred by: Seamus Knox,      Dam: BALLYGOWN PKK LUCY (VG 86)  
Piltown, Co Kilkenny      G Sire: PARKDUV MARK / PKK  
Date of Birth: 04/02/2017  
Breed: HO  
Beta Casein: A1A2  
Kappa Casein:  
aAa: 351426  
Colour: 0

DAM YIELDS	Milk Kgs	Fat Kgs	Ptn Kgs	F+P	BFat%	Ptn%	Clv Int
6 Lact	8951	518	367	885	5.91	4.25	456
Average	7901	429	318	747	5.43	4.02	388
Life (6 Lct)	39976	2162	1601	3763	5.41	4.00	



PRODUCTION			
Milk (Kg)	356	Daus	0
Fat (Kg)	22.8	Herds	0
Protein (Kg)	20.3	% Rel	78
Fat %	+0.15		
Protein (%)	++0.14		
CALVING			
Dairy Heifer Calving Diff %	6.8	97	% Rel
Dairy Cow Calving Diff %	2.5	99	% Rel
Dau Calving	5.4	45	% Rel
Gest Len (Days)	-5.8	99	% Rel
Calf Mort	-0.3	99	% Rel
BEEF			
Carcass Wt	-4	Average	
Carcass Conf	-0.9	Average	
TYPE			
Overall	0.2		
Udder	0.3		
Feet and Legs	-0.3		
FERTILITY			
Calving Int (Days)	-3.9	Daus	0
Survival (%)	+3.8	Herds	0
HEALTH			
Lameness	-0.06	Good	
SCC	0.00	Average	
Mastitis (%)	-0.01	Average	
MANAGEMENT			
Temperament	0.13	Average	
Milking Speed	-11	Fast	



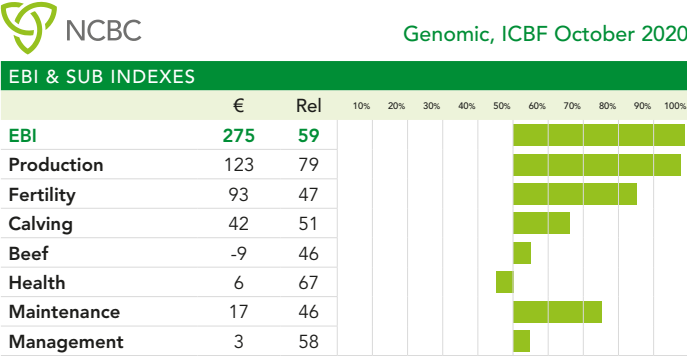
(IG) HIGHMOUNT STARK PED

IRL Code: FR5803  
AI Code: HO6540



HB No.: HOLIRLM219799392209      Sire: (IG) OLCASTLETOWN RONALDO  
Bred by: John Hannigan, Dromcollogher, Co. Limerick      Dam: HIGHMOUNT LHZ CATHERINE (VG 87)  
Date of Birth: 03/03/2019      G Sire: GADDAGH CUDDY REEKS  
Breed: HO  
Beta Casein: A2/A2  
Kappa Casein:  
aAa: #N/A  
Colour: 0

DAM YIELDS	Milk Kgs	Fat Kgs	Ptn Kgs	F+P	BFat%	Ptn%	Clv Int
5 Lact	7992	332	295	627	4.16	3.69	404
Average	7537	306	279	585	4.06	3.70	385
Life (5 Lct)	32166	1283	1179	2462	3.99	3.67	



PRODUCTION			
Milk (Kg)	201	Daus	0
Fat (Kg)	20.5	Herds	0
Protein (Kg)	16.8	% Rel	79
Fat %	+0.21		
Protein (%)	+0.17		
CALVING			
Dairy Heifer Calving Diff %	4.0	57	% Rel
Dairy Cow Calving Diff %	2.7	63	% Rel
Dau Calving	5.0	42	% Rel
Gest Len (Days)	-3.4	48	% Rel
Calf Mort	-0.3	46	% Rel
BEEF			
Carcass Wt	-4	Average	
Carcass Conf	-0.4	Average	
TYPE			
Overall	-0.5		
Udder	-0.8		
Feet and Legs	-0.5		
FERTILITY			
Calving Int (Days)	-4.4	Daus	0
Survival (%)	+3.0	Herds	0
HEALTH			
Lameness	-0.03	Good	
SCC	-0.05	Average	
Mastitis (%)	-0.02	Good	
MANAGEMENT			
Temperament	0.20	Good	
Milking Speed	12	Below Ave	

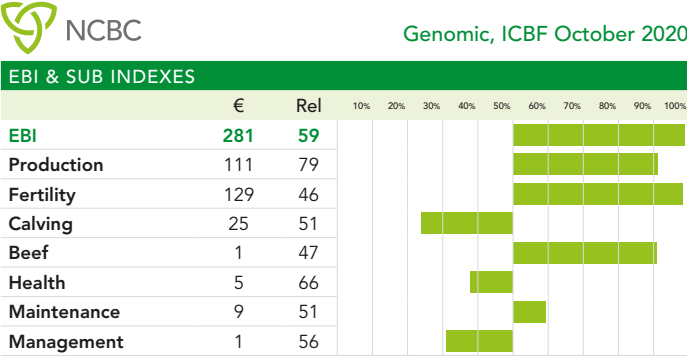
(IG) RATHLANNON ESMONDE SRM

IRL Code: FR5530  
AI Code: HO6541



HB No.: HOLIRLM223950772941      Sire: (IG) OLCASTLETOWN RONALDO  
Bred by: Teagasc, Johnstown Castle      Dam: RATHLANNON RITA 2282 (VG 86)  
Date of Birth: 23/10/2018      G Sire: GADDAGH CUDDY REEKS  
Breed: HO  
Beta Casein: A2/A2  
Kappa Casein:  
aAa: #N/A  
Colour: 0

DAM YIELDS	Milk Kgs	Fat Kgs	Ptn Kgs	F+P	BFat%	Ptn%	Clv Int
4 Lact	8098	378	323	701	4.67	3.99	400
Average	7300	337	287	624	4.61	3.92	364
Life (4 Lct)	29151	1342	1145	2487	4.60	3.93	



PRODUCTION			
Milk (Kg)	100	Daus	0
Fat (Kg)	18.1	Herds	0
Protein (Kg)	14.0	% Rel	79
Fat %	+0.24		
Protein (%)	+0.18		
CALVING			
Dairy Heifer Calving Diff %	8.3	55	% Rel
Dairy Cow Calving Diff %	3.5	65	% Rel
Dau Calving	5.1	42	% Rel
Gest Len (Days)	-3.5	46	% Rel
Calf Mort	-0.3	47	% Rel
BEEF			
Carcass Wt	0	Average	
Carcass Conf	-0.4	Above Ave	
TYPE			
Overall	-0.9		
Udder	-1.3		
Feet and Legs	0.5		
FERTILITY			
Calving Int (Days)	-7.6	Daus	0
Survival (%)	+2.6	Herds	0
HEALTH			
Lameness	-0.03	Good	
SCC	0.00	Average	
Mastitis (%)	-0.03	Good	
MANAGEMENT			
Temperament	0.06	Average	
Milking Speed	4	Average	

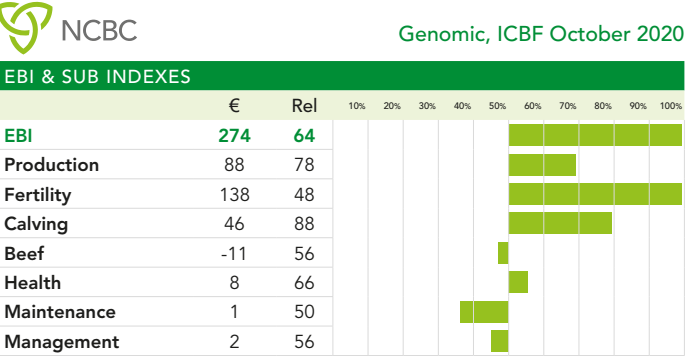
(IG) SPRINGHAVEN SUPREME PED

IRL Code: FR4482  
AI Code: HO6542



HB No.: HOLIRLM219543774689      Sire: (IG) LONGVIEW RELIABLE / LWR  
Bred by: Robert Troy, Newtownshandrum, Co Cork      Dam: SPRINGHAVEN YRC MELANIE 3859  
Date of Birth: 06/02/2017      G Sire: CURRA ROY / YRC  
Breed: HO  
Beta Casein: A2A2  
Kappa Casein:  
aAa: 435216  
Colour: 0

DAM YIELDS	Milk Kgs	Fat Kgs	Ptn Kgs	F+P	BFat%	Ptn%	Clv Int
4 Lact	6621	312	249	561	4.90	3.94	374
Average	6138	279	235	514	4.54	3.83	368
Life (4 Lct)	21266	960	803	1763	4.51	3.78	



PRODUCTION			
Milk (Kg)	182	Daus	0
Fat (Kg)	12.2	Herds	0
Protein (Kg)	13.4	% Rel	78
Fat %	+0.09		
Protein (%)	+0.12		
CALVING			
Dairy Heifer Calving Diff %	7.0	80	% Rel
Dairy Cow Calving Diff %	2.7	98	% Rel
Dau Calving	4.8	46	% Rel
Gest Len (Days)	-4.4	99	% Rel
Calf Mort	-0.9	98	% Rel
BEEF			
Carcass Wt	-5	Average	
Carcass Conf	-0.8	Average	
TYPE			
Overall	-0.3		
Udder	-0.7		
Feet and Legs	0.1		
FERTILITY			
Calving Int (Days)	-8.7	Daus	0
Survival (%)	+2.3	Herds	0
HEALTH			
Lameness	-0.01	Average	
SCC	-0.08	Average	
Mastitis (%)	-0.05	Good	
MANAGEMENT			
Temperament	-0.08	Average	
Milking Speed	-17	Fast	

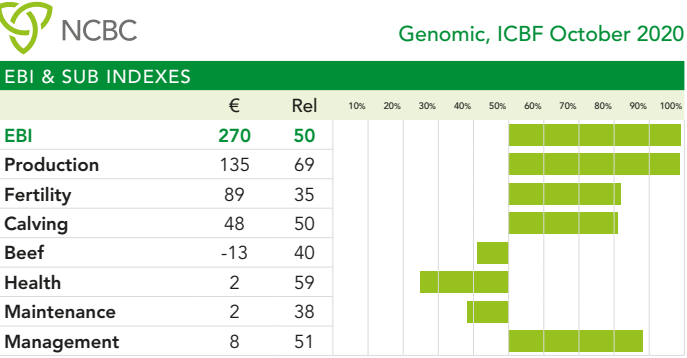
(IG) OLCASTLETOWN PICASSO PED

IRL Code: FR6085  
AI Code: HO6537



HB No.: HOLIRLM218577572066      Sire: (IG) BALLYGOWN ALBERT  
Bred by: Robert Drake, Co Cork      Dam: OLCASTLETOWN AVA PICASSO  
Date of Birth: 04/03/2019      G Sire: COOLNASOON ART  
Breed: HO  
Beta Casein: A1/A2  
Kappa Casein:  
aAa: #N/A  
Colour: 0

DAM YIELDS	Milk Kgs	Fat Kgs	Ptn Kgs	F+P	BFat%	Ptn%	Clv Int
1 Lact	4800	192	181	373	4.01	3.77	-
Average	4800	192	181	373	4.01	3.77	-
Life (1 Lct)	5324	219	205	424	4.11	3.85	



PRODUCTION			
Milk (Kg)	358	Daus	0
Fat (Kg)	22.4	Herds	0
Protein (Kg)	20.5	% Rel	69
Fat %	+0.14		
Protein (%)	+0.14		
CALVING			
Dairy Heifer Calving Diff %	6.3	59	% Rel
Dairy Cow Calving Diff %	2.6	62	% Rel
Dau Calving	5.6	34	% Rel
Gest Len (Days)	-5.3	48	% Rel
Calf Mort	0.2	47	% Rel
BEEF			
Carcass Wt	-4	Average	
Carcass Conf	-1.0	Below Ave	
TYPE			
Overall	-0.2		
Udder	-0.1		
Feet and Legs	0.3		
FERTILITY			
Calving Int (Days)	-4.2	Daus	0
Survival (%)	+2.9	Herds	0
HEALTH			
Lameness	-0.04	Good	
SCC	0.03	Average	
Mastitis (%)	0.00	Average	
MANAGEMENT			
Temperament	0.14	Average	
Milking Speed	-9	Average	





HB No.: HOLIRLM222171694317

Sire: (IG) BALLINTESKIN ARNOLD / FR4021

Bred by: Salesian College,  
Pallaskenry, Co Cork

Dam: PALLASKENRY BGJ BLOSSOM 3042

Date of Birth: 12/02/2018

G Sire: BAGWORTH PF GRANDEUR S1F / BGJ

Breed: HO

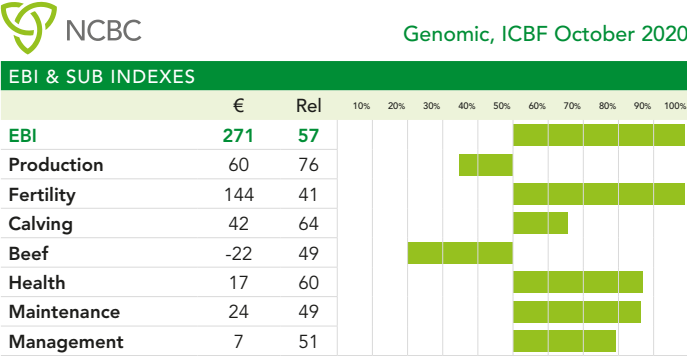
Beta Casein: A2/A2

Kappa Casein:

aAa: 432561

Colour: 0

DAM YIELDS	Milk Kgs	Fat Kgs	Ptn Kgs	F+P	BFat%	Ptn%	Clv Int
3 Lact	6219	324	219	543	5.20	3.52	386
Average	5195	260	182	441	4.96	3.48	352
Life (3 Lct)	12945	631	440	1071	4.87	3.40	



PRODUCTION				CALVING			
Milk (Kg)	-166	Daus	0	Dairy Heifer Calving Diff %	4.5	53	% Rel
Fat (Kg)	10.7	Herds	0	Dairy Cow Calving Diff %	2.0	68	% Rel
Protein (Kg)	3.9	% Rel	76	Dau Calving	5.6	35	% Rel
Fat %	+0.31			Gest Len (Days)	-3.7	78	% Rel
Protein (%)	+0.17			Calf Mort	0.5	55	% Rel
FERTILITY				BEEF			
Calving Int (Days)	-9.4	Daus	0	Carcass Wt	-12	Lighter	
Survival (%)	+2.0	Herds	0	Carcass Conf	-0.7	Average	
HEALTH				TYPE			
Lameness	-0.06	Good		Overall	-0.9		
SCC	-0.13	Good		Udder	-1.2		
Mastitis (%)	-0.08	Good		Feet and Legs	-0.2		
MANAGEMENT							
Temperament	0.06	Average					
Milking Speed	-14	Fast					



HB No.: HOLIRLM222061982542

Sire: (IG) LEACHTNEILL DARBY / FR4339

Bred by: Kevin Downing,  
Whitechurch, Co Cork

Dam: PARKDUV MARGO 72 (VG 86)

Date of Birth: 15/02/2019

G Sire: CASTLEBLAGH RUTHLESS / FZC

Breed: HO

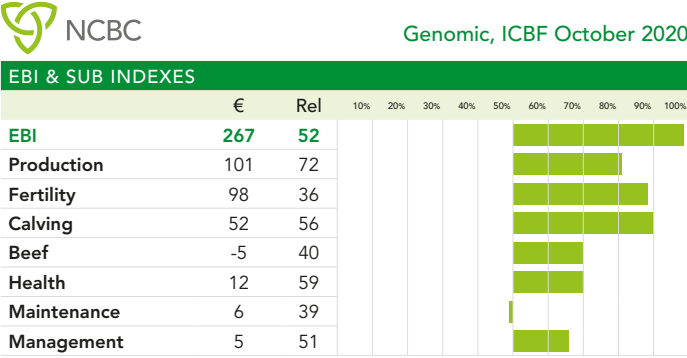
Beta Casein: A2/A2

Kappa Casein:

aAa: #N/A

Colour: 0

DAM YIELDS	Milk Kgs	Fat Kgs	Ptn Kgs	F+P	BFat%	Ptn%	Clv Int
4 Lact	8055	347	288	635	4.31	3.58	382
Average	7289	318	258	576	4.36	3.54	362
Life (4 Lct)	24856	1084	870	1954	4.36	3.50	



PRODUCTION				CALVING			
Milk (Kg)	228	Daus	0	Dairy Heifer Calving Diff %	5.7	55	% Rel
Fat (Kg)	17.8	Herds	0	Dairy Cow Calving Diff %	2.2	64	% Rel
Protein (Kg)	14.3	% Rel	72	Dau Calving	5.5	35	% Rel
Fat %	+0.15			Gest Len (Days)	-5.0	61	% Rel
Protein (%)	+0.11			Calf Mort	-0.7	47	% Rel
FERTILITY				BEEF			
Calving Int (Days)	-5.0	Daus	0	Carcass Wt	-3	Average	
Survival (%)	+2.8	Herds	0	Carcass Conf	-0.6	Average	
HEALTH				TYPE			
Lameness	-0.03	Good		Overall	0.1		
SCC	-0.15	Good		Udder	0.3		
Mastitis (%)	-0.04	Good		Feet and Legs	-0.8		
MANAGEMENT							
Temperament	-0.09	Average					
Milking Speed	-25	Fast					



HB No.: HOLIRLM223528451683

Sire: (IG) DIAMOND ANTON

Bred by: Ciaran Lucey,  
Macroom Co Cork

Dam: CARRAIGBUI GRACE 250 (GP 80)

Date of Birth:

G Sire: IMLEACH LUCKY GLOSS

Breed: HO

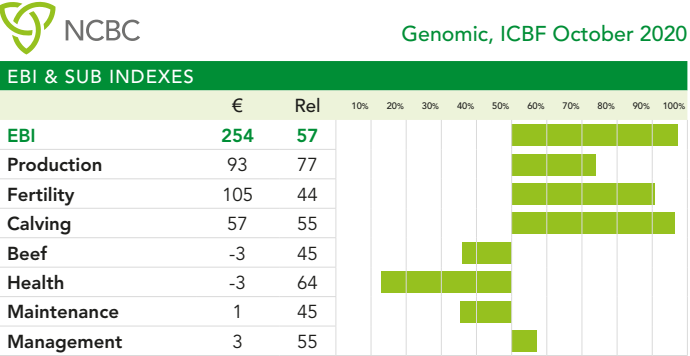
Beta Casein: A1/A2

Kappa Casein:

aAa: #N/A

Colour: 0

DAM YIELDS	Milk Kgs	Fat Kgs	Ptn Kgs	F+P	BFat%	Ptn%	Clv Int
3 Lact	7313	284	278	562	3.89	3.80	376
Average	5810	237	223	460	4.12	3.85	349
Life (3 Lct)	14125	570	532	1102	4.04	3.77	



PRODUCTION				CALVING			
Milk (Kg)	272	Daus	0	Dairy Heifer Calving Diff %	4.1	54	% Rel
Fat (Kg)	15.6	Herds	0	Dairy Cow Calving Diff %	2.0	63	% Rel
Protein (Kg)	14.5	% Rel	77	Dau Calving	5.8	42	% Rel
Fat %	+0.08			Gest Len (Days)	-5.3	59	% Rel
Protein (%)	+0.09			Calf Mort	-0.7	46	% Rel
FERTILITY				BEEF			
Calving Int (Days)	-6.2	Daus	0	Carcass Wt	0	Average	
Survival (%)	+2.2	Herds	0	Carcass Conf	-0.6	Average	
HEALTH				TYPE			
Lameness	0.00	Average		Overall	0.1		
SCC	0.04	Average		Udder	0.0		
Mastitis (%)	0.01	Average		Feet and Legs	-0.6		
MANAGEMENT							
Temperament	0.07	Average					
Milking Speed	-3	Average					



HB No.: HOLIRLM219099633723

Sire: (IG) CRAIGTOWN TORNADO / FR4338

Bred by: 0

Dam: WATERWHEEL RADELLA 2821

Date of Birth: 27/02/2019

G Sire: GOINGS MECCA PRIDE S1F / GGP

Breed: HO

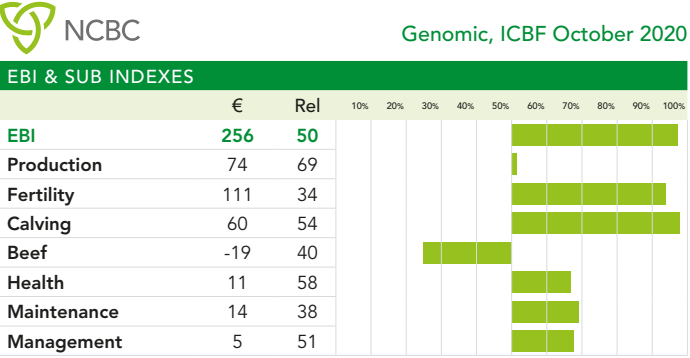
Beta Casein: 0

Kappa Casein:

aAa: #N/A

Colour: 0

DAM YIELDS	Milk Kgs	Fat Kgs	Ptn Kgs	F+P	BFat%	Ptn%	Clv Int
Lact	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Average	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Life (Lct)	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A



PRODUCTION				CALVING			
Milk (Kg)	107	Daus	0	Dairy Heifer Calving Diff %	3.8	55	% Rel
Fat (Kg)	13.0	Herds	0	Dairy Cow Calving Diff %	1.2	63	% Rel
Protein (Kg)	9.6	% Rel	69	Dau Calving	5.3	33	% Rel
Fat %	+0.15			Gest Len (Days)	-4.7	60	% Rel
Protein (%)	+0.10			Calf Mort	-0.8	47	% Rel
FERTILITY				BEEF			
Calving Int (Days)	-6.1	Daus	0	Carcass Wt	-8	Average	
Survival (%)	+2.7	Herds	0	Carcass Conf	-0.7	Average	
HEALTH				TYPE			
Lameness	-0.08	Good		Overall	-0.6		
SCC	-0.03	Average		Udder	-0.3		
Mastitis (%)	-0.05	Good		Feet and Legs	-1.4		
MANAGEMENT							
Temperament	0.03	Average					
Milking Speed	-12	Fast					



(IG) LISDUFF PERCEPTION PED

IRL Code: FR6139  
AI Code: HO6533

(IG) RONNOCO MILAN PED

IRL Code: FR4510  
AI Code: -



HB No.: HOLIRLM224508745649

Sire: WESTCOAST PERSEUS (VG 87)

Bred by: John O'Sullivan,  
Whitechurch, Co Cork

Dam: LISDUFF LESLIE 153 (EX 90)

Date of Birth: 19/01/2019

G Sire: SANDY-VALLEY-I PENMANSHIP

Breed: HO

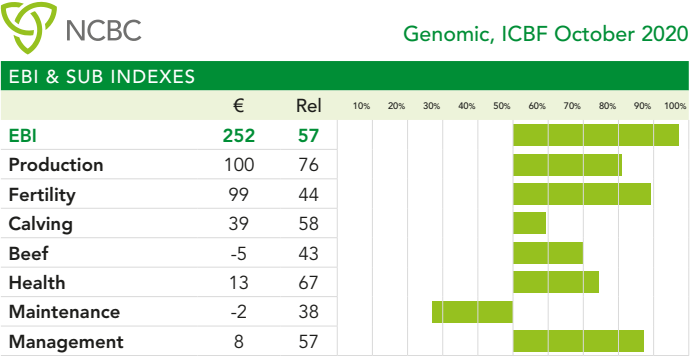
Beta Casein: A2/A2

Kappa Casein:

aAa: #N/A

Colour: 0

DAM YIELDS	Milk Kgs	Fat Kgs	Ptn Kgs	F+P	BFat%	Ptn%	Clv Int
6 Lact	10493	416	375	791	3.96	3.58	404
Average	9694	405	346	751	4.18	3.57	362
Life (6 Lct)	50594	2115	1798	3913	4.18	3.55	



PRODUCTION			
Milk (Kg)	397	Daus	0
Fat (Kg)	17.2	Herds	0
Protein (Kg)	17.0	% Rel	76
Fat %	+0.03		
Protein (%)	+0.06		
CALVING			
Dairy Heifer Calving Diff %	5.8	60	% Rel
Dairy Cow Calving Diff %	2.2	69	% Rel
Dau Calving	5.0	40	% Rel
Gest Len (Days)	-3.1	61	% Rel
Calf Mort	-0.2	47	% Rel
FERTILITY			
Calving Int (Days)	-5.6	Daus	0
Survival (%)	+2.3	Herds	0
HEALTH			
Lameness	-0.02	Average	
SCC	-0.19	Good	
Mastitis (%)	-0.04	Good	
MANAGEMENT			
Temperament	0.04	Average	
Milking Speed	-20	Fast	

(IG) CORNASLIEVE VIRGINIA PED



HB No.: HOLIRLM223340511605

Sire: (IG) OLCASTLETOWN RONALDO / FR2298

Bred by: James & Donald Brady,  
Virginia, Co Cavan

Dam: CORNASLIEVE OCP KATE 1255

Date of Birth: 03/02/2018

G Sire: (IG) CARRIGAUN GLEN / OCP

Breed: HO

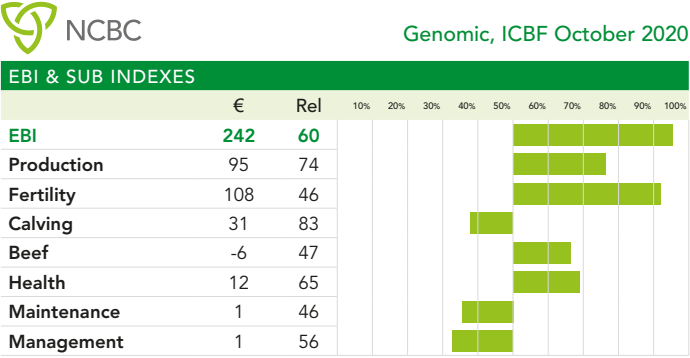
Beta Casein: A2/A2

Kappa Casein:

aAa: 534261

Colour: 0

DAM YIELDS	Milk Kgs	Fat Kgs	Ptn Kgs	F+P	BFat%	Ptn%	Clv Int
1 Lact	6158	322	226	548	5.24	3.67	-
Average	6158	322	226	548	5.24	3.67	-
Life (1 Lct)	6054	316	222	538	5.22	3.67	



PRODUCTION			
Milk (Kg)	121	Daus	0
Fat (Kg)	14.6	Herds	0
Protein (Kg)	12.9	% Rel	74
Fat %	+0.17		
Protein (%)	+0.15		
CALVING			
Dairy Heifer Calving Diff %	5.7	74	% Rel
Dairy Cow Calving Diff %	2.8	89	% Rel
Dau Calving	5.5	41	% Rel
Gest Len (Days)	-3.2	97	% Rel
Calf Mort	0.2	83	% Rel
FERTILITY			
Calving Int (Days)	-6.2	Daus	0
Survival (%)	+2.5	Herds	0
HEALTH			
Lameness	-0.04	Good	
SCC	-0.13	Good	
Mastitis (%)	-0.04	Good	
MANAGEMENT			
Temperament	-0.01	Average	
Milking Speed	-5	Average	



HB No.: HOLIRLM218815051405

Sire: GADDAGH CUDDY REEKS / GZY

Bred by: Colm O'Connor,  
Glanworth, Co Cork

Dam: RONNOCO HZB MILLIE

Date of Birth: ?

G Sire: (IG) BALLYDEHOB PAT 1356 / HZB

Breed: HO

Beta Casein: A2A2

Kappa Casein:

aAa: 543126

Colour: 0

DAM YIELDS	Milk Kgs	Fat Kgs	Ptn Kgs	F+P	BFat%	Ptn%	Clv Int
4 Lact	7715	311	298	609	4.37	3.87	369
Average	7299	301	279	580	4.13	3.82	361
Life (4 Lct)	25689	1056	972	2028	4.11	3.78	

(IG) BALLYMADDOCK HEYWOOD PED



HB No.: HOLIRLM219292171224

Sire: HAGGARD FRANKO / FR4154

Bred by: Tim Fitzgerald,  
Ballyroan, Co Laois

Dam: BALLYMADDOCK RPA FIONA 3 (GP 80)

Date of Birth: 01/02/2018

G Sire: (IG) RHINCUE SUPER DANO 12 / RPA

Breed: HO

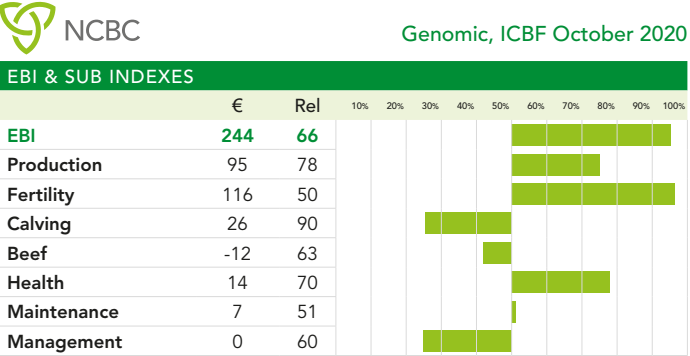
Beta Casein: A1/A2

Kappa Casein:

aAa: 561423

Colour: 0

DAM YIELDS	Milk Kgs	Fat Kgs	Ptn Kgs	F+P	BFat%	Ptn%	Clv Int
2 Lact	8288	370	318	688	4.46	3.84	365
Average	7223	335	275	611	4.64	3.81	362
Life (3 Lct)	19162	863	716	1579	4.50	3.74	



PRODUCTION			
Milk (Kg)	-9	Daus	0
Fat (Kg)	10.9	Herds	0
Protein (Kg)	12.1	% Rel	78
Fat %	+0.20		
Protein (%)	+0.22		
CALVING			
Dairy Heifer Calving Diff %	6.4	91	% Rel
Dairy Cow Calving Diff %	2.9	99	% Rel
Dau Calving	5.6	49	% Rel
Gest Len (Days)	-2.7	99	% Rel
Calf Mort	-0.6	98	% Rel
FERTILITY			
Calving Int (Days)	-6.7	Daus	0
Survival (%)	+2.5	Herds	0
HEALTH			
Lameness	-0.08	Good	
SCC	-0.07	Average	
Mastitis (%)	-0.06	Good	
MANAGEMENT			
Temperament	0.12	Average	
Milking Speed	14	Below Ave	



(IG) BALLINTOSIG RING O PED

IRL Code: OTS  
AI Code: -



HB No.: HOLIRLM151700850601Sire: PARKDUV MARK / PKK

Bred by: Anthony Flavin, Killeagh, Co CorkDam: BALLINTOSIG GIO ANNIE 436 (EX 90)

Date of Birth: 01/02/2013G Sire: GIBOR / GIO

Breed: HO

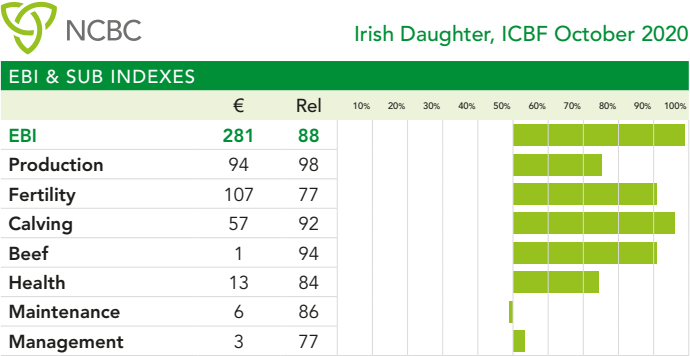
Beta Casein: A1/A1

Kappa Casein:

aAa: 531426

Colour: 0

DAM YIELDS	Milk Kgs	Fat Kgs	Ptn Kgs	F+P	BFat%	Ptn%	Clv Int
4 Lact	8622	367	316	683	4.25	3.67	353
Average	7874	336	284	620	4.29	3.61	359
Life (6 Lct)	46147	1963	1658	3621	4.25	3.59	



PRODUCTION			
Milk (Kg)	128	Daus	181
Fat (Kg)	17.3	Herds	114
Protein (Kg)	11.9	% Rel	98
Fat %	+0.21		
Protein (%)	+0.13		
CALVING			
Dairy Heifer Calving Diff %	5.5	86	% Rel
Dairy Cow Calving Diff %	2.1	95	% Rel
Dau Calving	4.7	72	% Rel
Gest Len (Days)	-5.0	99	% Rel
Calf Mort	-0.3	91	% Rel

FERTILITY			
Calving Int (Days)	-4.7	Daus	110
Survival (%)	+3.8	Herds	179

HEALTH			
Lameness	-0.08	Good	
SCC	-0.09	Average	
Mastitis (%)	-0.04	Good	
TYPE			
Overall	-0.2		
Udder	-0.1		
Feet and Legs	0.7		

MANAGEMENT			
Temperament	0.00	Average	
Milking Speed	-10	Fast	

(IG) GABRIEL ZORO SRM

IRL Code: FR4337  
AI Code: HO6531



HB No.: HOLIRLM216138190945Sire: (IG) OLCASTLETOWN RONALDO / FR2298

Bred by: Donal Mccarthy, Ballydehob, Co CorkDam: GABRIEL BUG SUSY (VG 85)

Date of Birth: 16/02/2017G Sire: BUSY BROOK RASTUS-ET S3F / BUG

Breed: HO

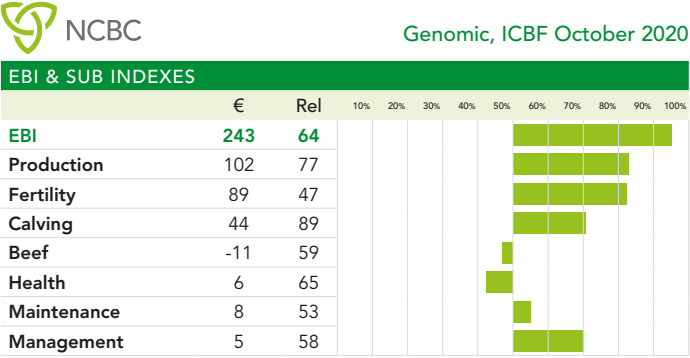
Beta Casein: A1A2

Kappa Casein:

aAa: 153624

Colour: 0

DAM YIELDS	Milk Kgs	Fat Kgs	Ptn Kgs	F+P	BFat%	Ptn%	Clv Int
6 Lact	6746	349	275	624	5.17	4.08	411
Average	6327	299	247	546	4.72	3.89	366
Life (6 Lct)	36160	1678	1395	3073	4.64	3.86	



PRODUCTION			
Milk (Kg)	3	Daus	0
Fat (Kg)	11.3	Herds	0
Protein (Kg)	13.3	% Rel	77
Fat %	+0.20		
Protein (%)	+0.23		
CALVING			
Dairy Heifer Calving Diff %	6.5	96	% Rel
Dairy Cow Calving Diff %	2.5	99	% Rel
Dau Calving	5.7	43	% Rel
Gest Len (Days)	-4.7	99	% Rel
Calf Mort	-0.1	99	% Rel

FERTILITY			
Calving Int (Days)	-5.1	Daus	0
Survival (%)	+2.0	Herds	0

HEALTH			
Lameness	-0.05	Good	
SCC	-0.01	Average	
Mastitis (%)	-0.02	Good	
TYPE			
Overall	-1.4		
Udder	-1.1		
Feet and Legs	-0.9		

MANAGEMENT			
Temperament	0.11	Average	
Milking Speed	-4	Average	

(IG) ARDKYLE MOUNT EVERET SRM

IRL Code: YKA  
AI Code: -



HB No.: HOLIRLM131205850852Sire: (IG) LAURAGH EVERT / LHZ

Bred by: Kevin McInerney, Newmarket, Co ClareDam: ARDKYLE TULIP 662 (GP 81)

Date of Birth: 20/02/2013G Sire: HAZAEL MN SWEETDREAM S2F / HZS

Breed: HO

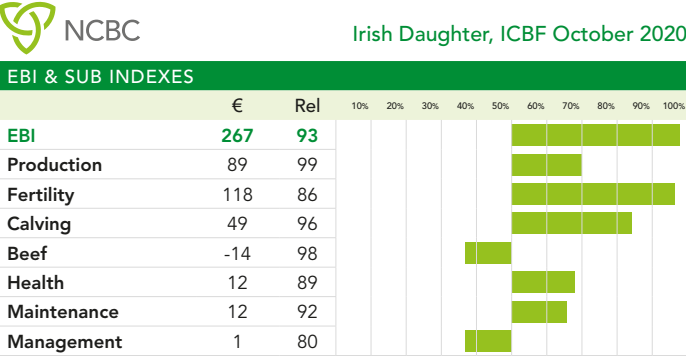
Beta Casein: A1A2

Kappa Casein:

aAa: 156342

Colour: Ed/Ed

DAM YIELDS	Milk Kgs	Fat Kgs	Ptn Kgs	F+P	BFat%	Ptn%	Clv Int
4 Lact	7719	365	292	657	4.72	3.79	350
Average	7037	311	266	577	4.42	3.78	369
Life (4 Lct)	27735	1218	1044	2262	4.39	3.76	



PRODUCTION			
Milk (Kg)	-15	Daus	633
Fat (Kg)	14.3	Herds	235
Protein (Kg)	9.8	% Rel	99
Fat %	+0.26		
Protein (%)	+0.18		
CALVING			
Dairy Heifer Calving Diff %	6.0	96	% Rel
Dairy Cow Calving Diff %	2.3	99	% Rel
Dau Calving	5.1	86	% Rel
Gest Len (Days)	-4.4	99	% Rel
Calf Mort	-0.6	98	% Rel

FERTILITY			
Calving Int (Days)	-5.0	Daus	288
Survival (%)	+4.4	Herds	724

HEALTH			
Lameness	-0.08	Good	
SCC	-0.04	Average	
Mastitis (%)	-0.05	Good	
TYPE			
Overall	-1.8		
Udder	-1.8		
Feet and Legs	-1.1		

MANAGEMENT			
Temperament	0.01	Average	
Milking Speed	-3	Average	

(IG) BRIDESTREAM LEVERET XXX

IRL Code: FR4588  
AI Code: -



HB No.: HOLIRLM222975381649Sire: (IG) OLCASTLETOWN RONALDO / FR2298

Bred by: Liam Leahy, Crookstown, Co CorkDam: IE141848241206

Date of Birth: 20/02/2017G Sire: PUKEROA TGM MANZELLO / PKA

Breed: HO

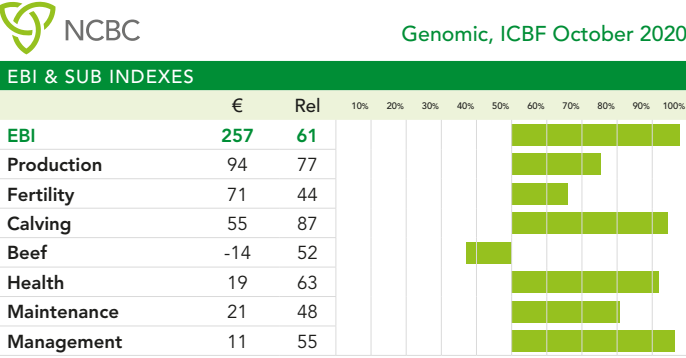
Beta Casein: A2A2

Kappa Casein:

aAa: 516324

Colour: 0

DAM YIELDS	Milk Kgs	Fat Kgs	Ptn Kgs	F+P	BFat%	Ptn%	Clv Int
Lact	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
Average	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
Life (Lct)	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	



PRODUCTION			
Milk (Kg)	-10	Daus	0
Fat (Kg)	13.6	Herds	0
Protein (Kg)	11.1	% Rel	77
Fat %	+0.24		
Protein (%)	+0.20		
CALVING			
Dairy Heifer Calving Diff %	4.6	91	% Rel
Dairy Cow Calving Diff %	2.1	94	% Rel
Dau Calving	4.8	41	% Rel
Gest Len (Days)	-4.7	99	% Rel
Calf Mort	0.2	93	% Rel

FERTILITY			
Calving Int (Days)	-3.9	Daus	0
Survival (%)	+1.8	Herds	0

HEALTH			
Lameness	-0.09	Good	
SCC	-0.16	Good	
Mastitis (%)	-0.07	Good	
TYPE			
Overall	-1.4		
Udder	-1.9		
Feet and Legs	0.1		

MANAGEMENT			
Temperament	0.39	Good	
Milking Speed	9	Average	



(IG) LAURAGH EVERT PED

IRL Code: LHZ  
AI Code: -



HB No.: HOLIRLM351168463300

Sire: WHINLEA PALAD ECKLAND-ET

Bred by: Pat Ryan,  
Cappagh, Co Waterford

Dam: LAURAGH CWJ HEATHER (G 79)

Date of Birth: 22/02/2009

G Sire: CALDWELLS JORDANAIRE / CWJ

Breed: HO

Beta Casein: A1A2

Kappa Casein:

aAa: 423651

Colour: ED/e

DAM YIELDS	Milk Kgs	Fat Kgs	Ptn Kgs	F+P	BFat%	Ptn%	Clv Int
3 Lact	6447	360	261	621	5.58	4.05	351
Average	5746	286	228	514	4.97	3.97	367
Life (11 Lct)	61669	3033	2429	5462	4.92	3.94	

(IG) BALLYMAW NOVA SRM

IRL Code: FR4738  
AI Code: -



HB No.: HOLIRLM216396031710

Sire: (IG) DIAMOND ANTON / FR2239

Bred by: Patrick McGrath,  
Waterfall, Co Cork

Dam: BALLYMAW NORA 1316 (G 78)

Date of Birth: 29/01/2018

G Sire: MORRIS TF LAMONT S1F / MSF

Breed: HO

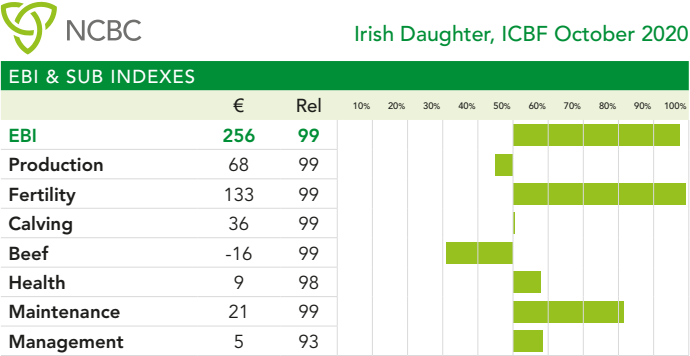
Beta Casein: A2/A2

Kappa Casein:

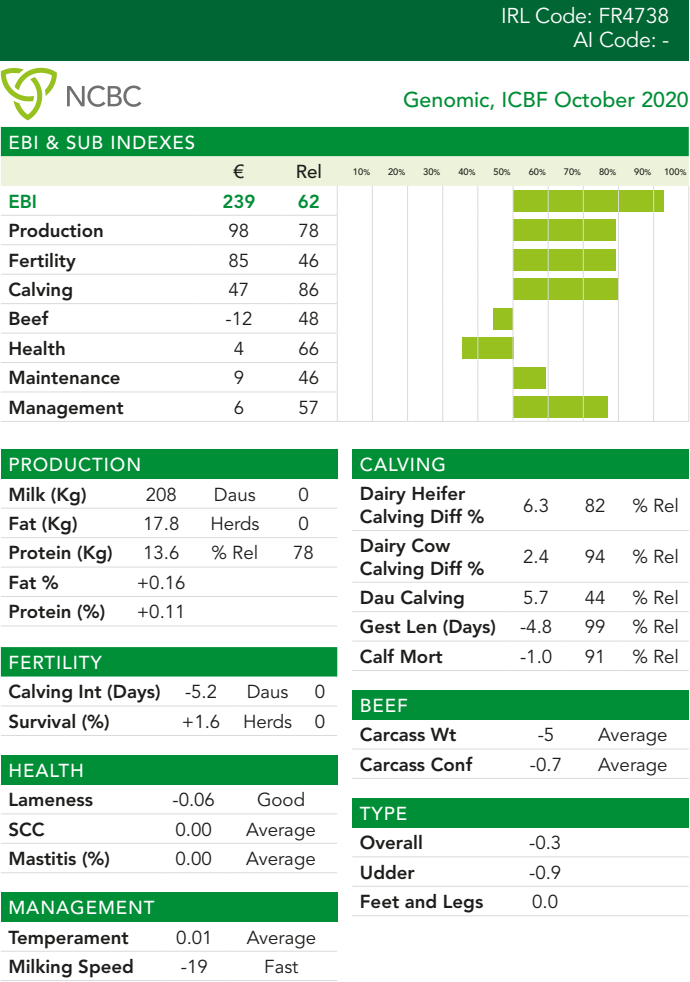
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Colour: 0

DAM YIELDS	Milk Kgs	Fat Kgs	Ptn Kgs	F+P	BFat%	Ptn%	Clv Int
4 Lact	7229	470	264	734	6.50	3.66	374
Average	6233	399	238	637	6.40	3.82	365
Life (4 Lct)	21689	1420	824	2244	6.55	3.80	



PRODUCTION			
Milk (Kg)	-45	Daus	19342
Fat (Kg)	10	Herds	3817
Protein (Kg)	7.1	% Rel	99
Fat %	+0.22		
Protein (%)	+0.15		
CALVING			
Dairy Heifer Calving Diff %	6.0	99	% Rel
Dairy Cow Calving Diff %	2.4	99	% Rel
Dau Calving	4.5	99	% Rel
Gest Len (Days)	-2.6	99	% Rel
Calf Mort	-0.4	99	% Rel
FERTILITY			
Calving Int (Days)	-5.8	Daus	5789
Survival (%)	+4.8	Herds	24931
HEALTH			
Lameness	-0.07	Good	
SCC	0.01	Average	
Mastitis (%)	-0.05	Good	
MANAGEMENT			
Temperament	0.18	Good	
Milking Speed	6	Average	



PRODUCTION			
Milk (Kg)	208	Daus	0
Fat (Kg)	17.8	Herds	0
Protein (Kg)	13.6	% Rel	78
Fat %	+0.16		
Protein (%)	+0.11		
CALVING			
Dairy Heifer Calving Diff %	6.3	82	% Rel
Dairy Cow Calving Diff %	2.4	94	% Rel
Dau Calving	5.7	44	% Rel
Gest Len (Days)	-4.8	99	% Rel
Calf Mort	-1.0	91	% Rel
FERTILITY			
Calving Int (Days)	-5.2	Daus	0
Survival (%)	+1.6	Herds	0
HEALTH			
Lameness	-0.06	Good	
SCC	0.00	Average	
Mastitis (%)	0.00	Average	
MANAGEMENT			
Temperament	0.01	Average	
Milking Speed	-19	Fast	

(IG) WATERWHEEL WINSTON SRM

IRL Code: FR4515  
AI Code: -



HB No.: HOLIRLM219099663098

Sire: (IG) NEXTGEN YKG CANDY 593 / FR2385

Bred by: Patrick Kelly,  
Killygordon, Co Donegal

Dam: WATERWHEEL KOZ JULIE

Date of Birth: 22/02/2017

G Sire: KEVINSFORT OJI HAZE / KOZ

Breed: HO

Beta Casein: A1A2

Kappa Casein:

aAa: 426351

Colour: 0

DAM YIELDS	Milk Kgs	Fat Kgs	Ptn Kgs	F+P	BFat%	Ptn%	Clv Int
5 Lact	8266	341	297	638	4.12	3.60	352
Average	6707	284	248	532	4.25	3.70	365
Life (6 Lct)	39651	1678	1467	3145	4.23	3.70	

(IG) BALLYDOOGAN TEMPLE PED

IRL Code: FR4545  
AI Code: -



HB No.: HOLIRLM218583741177

Sire: (IG) LONGVIEW RELIABLE / LWR

Bred by: Tim Hegarty,  
Longford, Co Longford

Dam: BALLYDOOGAN HAZE ROSITA 499 (VG 86)

Date of Birth: 04/03/2017

G Sire: KEVINSFORT OJI HAZE / KOZ

Breed: HO

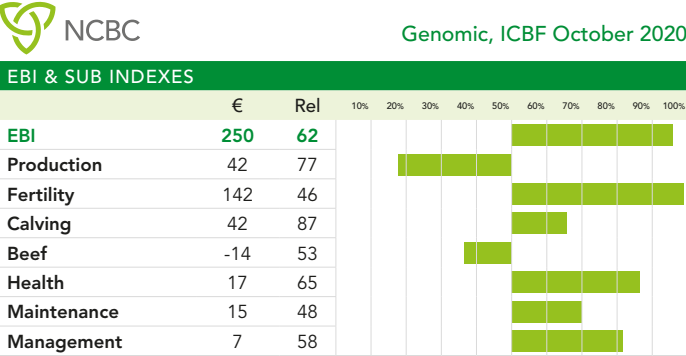
Beta Casein: A1A2

Kappa Casein:

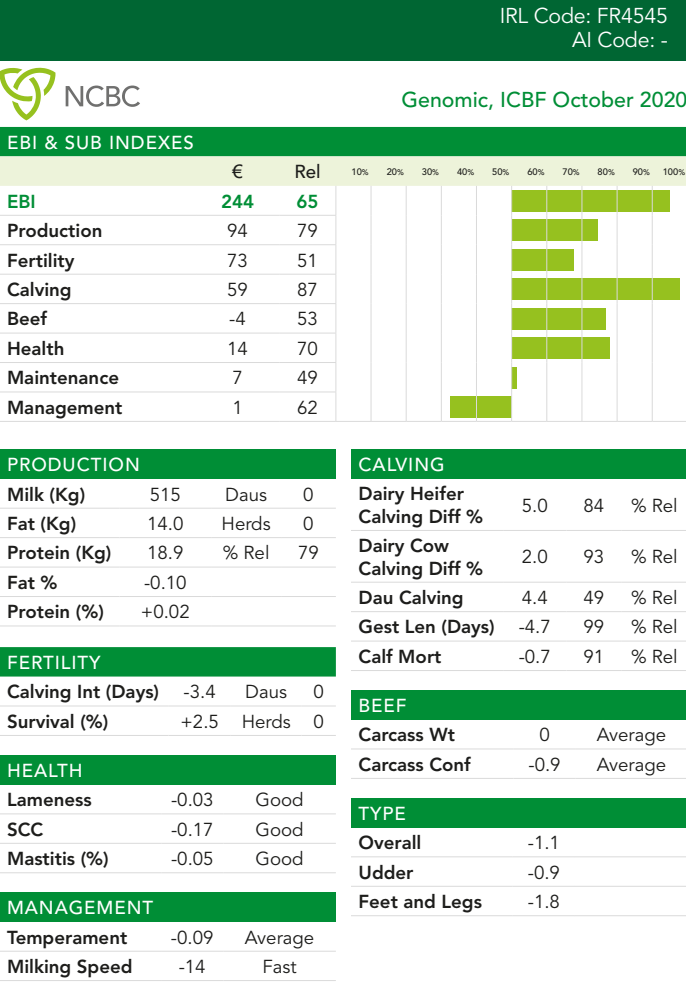
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Colour: 0

DAM YIELDS	Milk Kgs	Fat Kgs	Ptn Kgs	F+P	BFat%	Ptn%	Clv Int
4 Lact	11492	416	392	808	3.62	3.41	359
Average	9435	332	326	658	3.51	3.46	361
Life (4 Lct)	36973	1292	1272	2564	3.49	3.44	



PRODUCTION			
Milk (Kg)	70	Daus	0
Fat (Kg)	7.5	Herds	0
Protein (Kg)	5.6	% Rel	77
Fat %	+0.08		
Protein (%)	+0.06		
CALVING			
Dairy Heifer Calving Diff %	7.1	86	% Rel
Dairy Cow Calving Diff %	2.4	96	% Rel
Dau Calving	5.0	40	% Rel
Gest Len (Days)	-4.3	99	% Rel
Calf Mort	0.3	94	% Rel
FERTILITY			
Calving Int (Days)	-8.0	Daus	0
Survival (%)	+3.3	Herds	0
HEALTH			
Lameness	-0.07	Good	
SCC	-0.21	Good	
Mastitis (%)	-0.03	Good	
MANAGEMENT			
Temperament	-0.04	Average	
Milking Speed	-27	Fast	



PRODUCTION			
Milk (Kg)	515	Daus	0
Fat (Kg)	14.0	Herds	0
Protein (Kg)	18.9	% Rel	79
Fat %	-0.10		
Protein (%)	+0.02		
CALVING			
Dairy Heifer Calving Diff %	5.0	84	% Rel
Dairy Cow Calving Diff %	2.0	93	% Rel
Dau Calving	4.4	49	% Rel
Gest Len (Days)	-4.7	99	% Rel
Calf Mort	-0.7	91	% Rel
FERTILITY			
Calving Int (Days)	-3.4	Daus	0
Survival (%)	+2.5	Herds	0
HEALTH			
Lameness	-0.03	Good	
SCC	-0.17	Good	
Mastitis (%)	-0.05	Good	
MANAGEMENT			
Temperament	-0.09	Average	
Milking Speed	-14	Fast	



(IG) PARKDUV MOUNT EVEREST PED

IRL Code: PKR  
AI Code: -



HB No.: HOLIRLM151013731563

Bred by: Kevin Downing,  
Whitechurch, Co Cork

Date of Birth: 13/02/2012

Breed: HO

Beta Casein: 0

Kappa Casein:

aAa: 432561

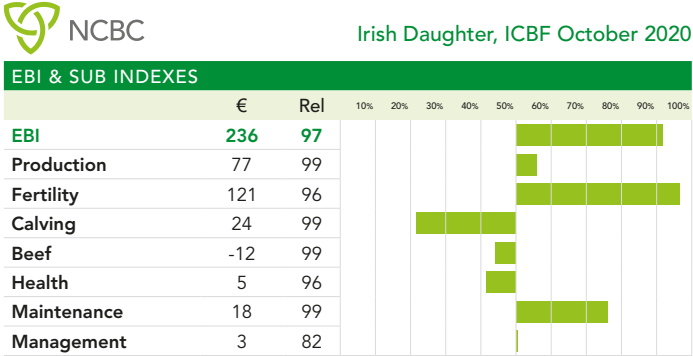
Colour: 0

Sire: (IG) LAURAGH EVERT / LHZ

Dam: PARKDUV JILL 21 (VG 88)

G Sire: HEDRA FESTIVAL / HFL

DAM YIELDS	Milk Kgs	Fat Kgs	Ptn Kgs	F+P	BFat%	Ptn%	Clv Int
4 Lact	9884	394	353	747	3.98	3.57	386
Average	9151	361	318	679	3.95	3.47	388
Life (5 Lct)	43927	1729	1519	3248	3.94	3.46	



PRODUCTION				CALVING			
Milk (Kg)	172	Daus	4132	Dairy Heifer Calving Diff %	6.0	99	% Rel
Fat (Kg)	14.1	Herds	1465	Dairy Cow Calving Diff %	2.5	99	% Rel
Protein (Kg)	10.7	% Rel	99	Dau Calving	4.9	98	% Rel
Fat %	+0.12			Gest Len (Days)	-1.5	99	% Rel
Protein (%)	+0.08			Calf Mort	-0.2	99	% Rel
FERTILITY				BEEF			
Calving Int (Days)	-5.2	Daus	1982	Carcass Wt	-4	Average	
Survival (%)	+4.5	Herds	5186	Carcass Conf	-0.7	Average	
HEALTH				TYPE			
Lameness	-0.05	Good		Overall	-1.3		
SCC	0.00	Average		Udder	-1.0		
Mastitis (%)	-0.02	Good		Feet and Legs	-1.6		
MANAGEMENT							
Temperament	0.01	Average					
Milking Speed	-8	Average					

(IG) CAHERAGH MAYSON SRM

IRL Code: FR4532  
AI Code: -



HB No.: HOLIRLM217109120749

Bred by: Charles Hegarty,  
Drimoleague, Co Cork

Date of Birth: 06/02/2017

Breed: HO

Beta Casein: A1A2

Kappa Casein:

aAa: 234156

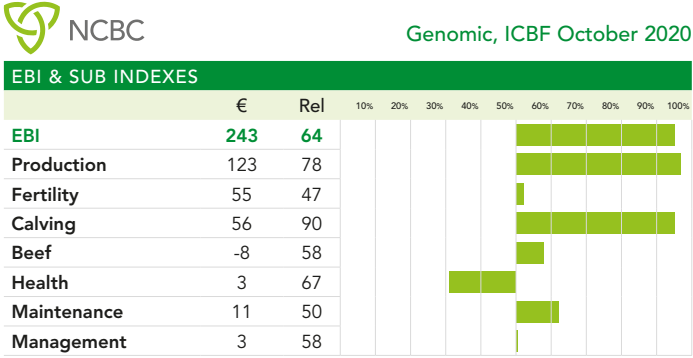
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Sire: KILDARRA MAESTRO / FR2053

Dam: CAHERAGH HMY MASSIE 610

G Sire: HIGHMOUNT KENNY / HMY

DAM YIELDS	Milk Kgs	Fat Kgs	Ptn Kgs	F+P	BFat%	Ptn%	Clv Int
5 Lact	6592	313	256	569	4.90	3.88	371
Average	6030	281	228	509	4.66	3.78	345
Life (5 Lct)	26213	1218	978	1453	4.75	3.75	



PRODUCTION				CALVING			
Milk (Kg)	158	Daus	0	Dairy Heifer Calving Diff %	5.3	98	% Rel
Fat (Kg)	25.2	Herds	0	Dairy Cow Calving Diff %	2.1	99	% Rel
Protein (Kg)	14.4	% Rel	78	Dau Calving	4.5	46	% Rel
Fat %	+0.32			Gest Len (Days)	-4.7	99	% Rel
Protein (%)	+0.15			Calf Mort	-0.3	98	% Rel
FERTILITY				BEEF			
Calving Int (Days)	-2.9	Daus	0	Carcass Wt	-3	Average	
Survival (%)	+1.5	Herds	0	Carcass Conf	-0.7	Average	
HEALTH				TYPE			
Lameness	-0.01	Average		Overall	-0.1		
SCC	-0.05	Average		Udder	0.1		
Mastitis (%)	0.00	Average		Feet and Legs	-0.7		
MANAGEMENT							
Temperament	-0.03	Average					
Milking Speed	-13	Fast					

(IG) CLOONEYBEAG EXCEED SRM

IRL Code: FR4540  
AI Code: -



HB No.: HOLIRLM281669143970

Bred by: Robert Mulligan,  
Castletown, Co Meath

Date of Birth: 15/02/2017

Breed: HO

Beta Casein: A2A2

Kappa Casein:

aAa: 324156

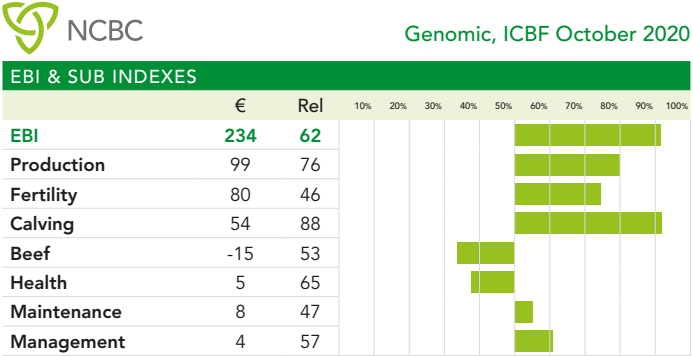
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Sire: (IG) TISAXON ELMO / FR2031

Dam: CLOONEYBEAG MILLIE 3439

G Sire: (IG) WATERWHEEL ARG0 / WWA

DAM YIELDS	Milk Kgs	Fat Kgs	Ptn Kgs	F+P	BFat%	Ptn%	Clv Int
2 Lact	5476	195	207	402	3.56	3.78	380
Average	5295	171	198	369	3.21	3.74	380
Life (2 Lct)	9906	312	362	674	3.15	3.65	



PRODUCTION				CALVING			
Milk (Kg)	341	Daus	0	Dairy Heifer Calving Diff %	5.0	89	% Rel
Fat (Kg)	9.3	Herds	0	Dairy Cow Calving Diff %	2.0	98	% Rel
Protein (Kg)	18.8	% Rel	76	Dau Calving	5.4	43	% Rel
Fat %	-0.07			Gest Len (Days)	-4.8	99	% Rel
Protein (%)	+0.12			Calf Mort	-0.7	97	% Rel
FERTILITY				BEEF			
Calving Int (Days)	-4.6	Daus	0	Carcass Wt	-7	Average	
Survival (%)	+1.7	Herds	0	Carcass Conf	-0.9	Average	
HEALTH				TYPE			
Lameness	-0.06	Good		Overall	0.2		
SCC	-0.01	Average		Udder	-0.1		
Mastitis (%)	0.00	Average		Feet and Legs	0.2		
MANAGEMENT							
Temperament	0.09	Average					
Milking Speed	-2	Average					

(IG) CURRIHEVERN RUDOLPH PED

IRL Code: PHC  
AI Code: -



HB No.: HOLIRLM141431290588

Bred by: Daniel Santry,  
Bandon, Co Cork

Date of Birth: 27/01/2013

Breed: HO

Beta Casein: A1A2

Kappa Casein:

aAa: 513642

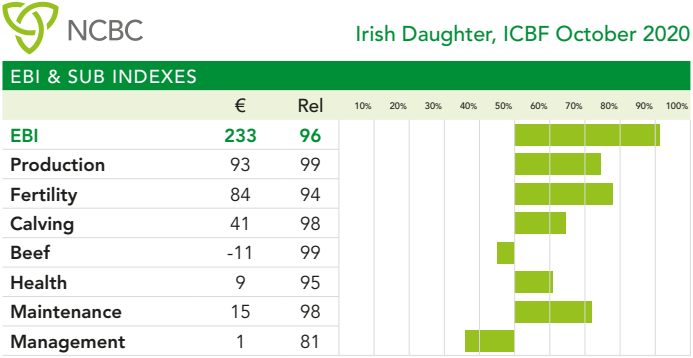
Colour: ED/ED

Sire: (IG) LAURAGH EVERT / LHZ

Dam: CURRIHEVERN BHZ RUBY 511

G Sire: BALLYBROOK ASHLING JUSTICE / BHZ

DAM YIELDS	Milk Kgs	Fat Kgs	Ptn Kgs	F+P	BFat%	Ptn%	Clv Int
5 Lact	7183	306	280	586	4.26	3.89	377
Average	6494	262	250	512	4.05	3.85	378
Life (5 Lct)	30892	1237	1180	2417	4.00	3.82	



PRODUCTION				CALVING			
Milk (Kg)	-44	Daus	2810	Dairy Heifer Calving Diff %	6.3	98	% Rel
Fat (Kg)	12.9	Herds	1017	Dairy Cow Calving Diff %	2.5	99	% Rel
Protein (Kg)	10.6	% Rel	99	Dau Calving	4.8	96	% Rel
Fat %	+0.26			Gest Len (Days)	-3.5	99	% Rel
Protein (%)	+0.21			Calf Mort	-0.6	99	% Rel
FERTILITY				BEEF			
Calving Int (Days)	-3.7	Daus	1405	Carcass Wt	-6	Average	
Survival (%)	+3.0	Herds	3547	Carcass Conf	-0.6	Average	
HEALTH				TYPE			
Lameness	-0.06	Good		Overall	-2.7		
SCC	-0.04	Average		Udder	-1.5		
Mastitis (%)	-0.04	Good		Feet and Legs	-3.9		
MANAGEMENT							
Temperament	-0.03	Average					
Milking Speed	-8	Average					



(IG)FARNIVANEADH ARAMON SRM

SRM

IRL Code: FR5313  
AI Code: -



HB No.: HOLIRLM218972021730

Sire: (IG) DIAMOND ANTON / FR2239

Bred by: Michael Collins, Bandon, Co Cork

Dam: FARNIVANEADH LOTTO THELMA 1315 (GP 82)

Date of Birth: 31/01/2018

G Sire: (IG) SWEETFIELD LOTTO / FSW

Breed: HO

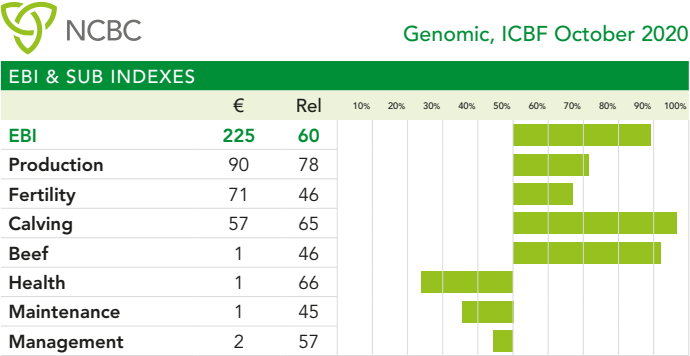
Beta Casein: A2/A2

Kappa Casein:

aAa: 435261

Colour: 0

DAM YIELDS	Milk Kgs	Fat Kgs	Ptn Kgs	F+P	BFat%	Ptn%	Clv Int
3 Lact	7118	289	255	544	4.06	3.58	368
Average	6677	263	233	496	3.94	3.48	372
Life (3 Lct)	14695	574	502	1076	3.91	3.42	



PRODUCTION			
Milk (Kg)	312	Daus	0
Fat (Kg)	15.6	Herds	0
Protein (Kg)	14.6	% Rel	78
Fat %	+0.06		
Protein (%)	+0.07		
CALVING			
Dairy Heifer Calving Diff %	3.2	63	% Rel
Dairy Cow Calving Diff %	1.6	65	% Rel
Dau Calving	6.3	43	% Rel
Gest Len (Days)	-5.3	77	% Rel
Calf Mort	-0.8	58	% Rel
BEEF			
Carcass Wt	4	Heavier	
Carcass Conf	-0.6	Average	
TYPE			
Overall	-0.1		
Udder	-0.3		
Feet and Legs	0.1		
HEALTH			
Lameness	-0.01	Average	
SCC	-0.03	Average	
Mastitis (%)	0.01	Average	
MANAGEMENT			
Temperament	-0.02	Average	
Milking Speed	-10	Average	

(IG) MOUNTDUDLEY JOKER PED

PED

IRL Code: FR4686  
AI Code: -



HB No.: HOLIRLM212492811644

Sire: GORTCREEN SEBASTAIN / FR2314

Bred by: Denis & Dominic Sharpe, Roscrea, Co Tipperary

Dam: MOUNTDUDLEY GARNETT SAPHIRE (VG 85)

Date of Birth: 20/09/2017

G Sire: PIMORIN / PIM

Breed: HO

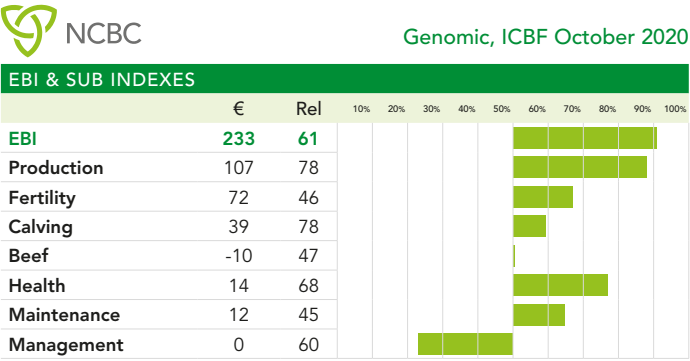
Beta Casein: A2/A2

Kappa Casein:

aAa: 231456

Colour: 0

DAM YIELDS	Milk Kgs	Fat Kgs	Ptn Kgs	F+P	BFat%	Ptn%	Clv Int
3 Lact	8453	413	323	736	4.88	3.82	349
Average	7599	371	278	649	4.88	3.64	367
Life (3 Lct)	23054	1129	845	1974	4.90	3.67	



PRODUCTION			
Milk (Kg)	250	Daus	0
Fat (Kg)	18.9	Herds	0
Protein (Kg)	15.4	% Rel	78
Fat %	+0.15		
Protein (%)	+0.12		
CALVING			
Dairy Heifer Calving Diff %	5.7	66	% Rel
Dairy Cow Calving Diff %	2.0	83	% Rel
Dau Calving	5.5	44	% Rel
Gest Len (Days)	-3.2	94	% Rel
Calf Mort	-0.8	71	% Rel
BEEF			
Carcass Wt	-1	Average	
Carcass Conf	-1.0	Average	
TYPE			
Overall	1.1		
Udder	0.6		
Feet and Legs	1.0		
HEALTH			
Lameness	-0.04	Good	
SCC	-0.15	Good	
Mastitis (%)	-0.05	Good	
MANAGEMENT			
Temperament	-0.08	Average	
Milking Speed	-9	Average	

(IG) OLCASTLETOWN RONALDO PED

PED

IRL Code: FR2298  
AI Code: -



HB No.: HOLIRLM151481061447

Sire: GADDAGH CUDDY REEKS (GZY)

Bred by: Robert Drake, Co Cork

Dam: OLCASTLETOWN YVONNE RONALDO (VG 85)

Date of Birth: 09/02/2015

G Sire: HAZAEL EMINENCE DANO-ET (HZO)

Breed: HO

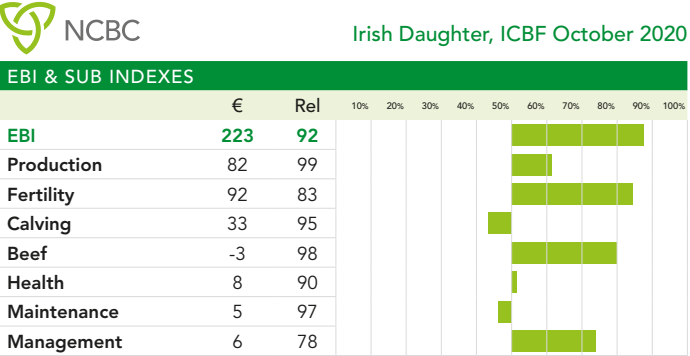
Beta Casein: A2A2

Kappa Casein:

aAa: 435216

Colour: ED/ED

DAM YIELDS	Milk Kgs	Fat Kgs	Ptn Kgs	F+P	BFat%	Ptn%	Clv Int
5 Lact	9254	372	336	708	4.02	3.63	367
Average	8421	318	310	628	3.79	3.68	359
Life (5 Lct)	41831	1578	1536	3114	3.77	3.67	



PRODUCTION			
Milk (Kg)	114	Daus	4591
Fat (Kg)	9.6	Herds	1522
Protein (Kg)	12.3	% Rel	99
Fat %	+0.09		
Protein (%)	+0.14		
CALVING			
Dairy Heifer Calving Diff %	5.8	99	% Rel
Dairy Cow Calving Diff %	2.6	99	% Rel
Dau Calving	5.2	76	% Rel
Gest Len (Days)	-2.8	99	% Rel
Calf Mort	-0.6	99	% Rel
BEEF			
Carcass Wt	-2	Average	
Carcass Conf	-0.4	Above Ave	
TYPE			
Overall	-2.4		
Udder	-2.7		
Feet and Legs	-0.8		
HEALTH			
Lameness	-0.04	Good	
SCC	-0.11	Good	
Mastitis (%)	0.00	Average	
MANAGEMENT			
Temperament	0.25	Good	
Milking Speed	10	Below Ave	

(IG) MODELIGO WHISPER SRM

SRM

IRL Code: FR2056  
AI Code: -



HB No.: HOLIRLM151620923872

Sire: IMLEACH LUCKY WHISTLER WLY

Bred by: David Lonergan, Ballyduff, Co Waterford

Dam: MODELIGO CWJ MAY 1506

Date of Birth: 21/02/2014

G Sire: CALDWELLS JORDANAIRE CWJ

Breed: HO

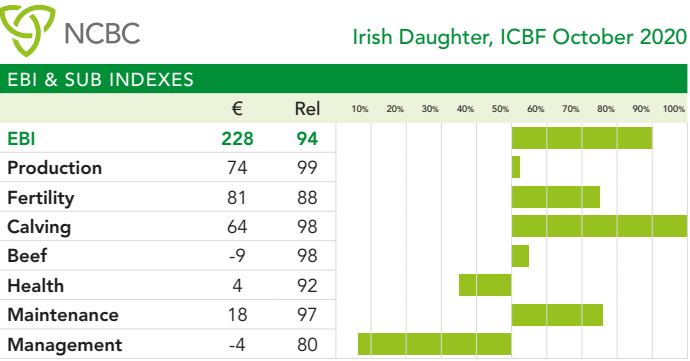
Beta Casein: A1A2

Kappa Casein:

aAa: 531426

Colour: 0

DAM YIELDS	Milk Kgs	Fat Kgs	Ptn Kgs	F+P	BFat%	Ptn%	Clv Int
6 Lact	6266	274	224	498	4.37	3.57	363
Average	5600	241	197	438	4.32	3.52	365
Life (9 Lct)	48703	2079	1698	3777	4.27	3.49	



PRODUCTION			
Milk (Kg)	97	Daus	2525
Fat (Kg)	17.5	Herds	896
Protein (Kg)	7.9	% Rel	99
Fat %	+0.24		
Protein (%)	+0.08		
CALVING			
Dairy Heifer Calving Diff %	5.3	97	% Rel
Dairy Cow Calving Diff %	2.2	99	% Rel
Dau Calving	5.5	91	% Rel
Gest Len (Days)	-6.4	99	% Rel
Calf Mort	-0.7	99	% Rel
BEEF			
Carcass Wt	-2	Average	
Carcass Conf	-0.7	Average	
TYPE			
Overall	0.1		
Udder	0.2		
Feet and Legs	-1.2		
HEALTH			
Lameness	-0.01	Average	
SCC	-0.04	Average	
Mastitis (%)	-0.02	Good	
MANAGEMENT			
Temperament	-0.07	Average	
Milking Speed	6	Average	



(IG) OLDCASTLETON EARNEST PED

IRL Code: OET  
AI Code: -



HB No.: HOLIRLM151481531282

Bred by: O?

Date of Birth: 13/02/2013

Breed: HO

Beta Casein: A2A2

Kappa Casein: aAa: 435126

Colour: ED/ED

Sire: (IG) LAURAGH EVERT / LHZ

Dam: OLDCASTLETON JUSTICE PAULA

G Sire: O-BEE MANFRED JUSTICE ET TV TL / OJI

DAM YIELDS	Milk Kgs	Fat Kgs	Ptn Kgs	F+P	BFat%	Ptn%	Clv Int
5 Lact	7699	306	268	574	3.98	3.48	376
Average	6672	261	229	490	3.93	3.44	363
Life (6 Lct)	39250	1524	1345	2869	3.88	3.43	



(IG) DERRYLAMOGUE VINCENT PED

IRL Code: FR2036  
AI Code: -



HB No.: HOLIRLM221342751332

Bred by: Alan Stephenson, Rosenallis, Co Laois

Date of Birth: 20/01/2014

Breed: HO

Beta Casein: A1A2

Kappa Casein: aAa: 324156

Colour: ED/ED

Sire: (IG) CASTLEBLAGH ODIE ABO

Dam: DERRYLAMOGUE LDU JENNY 1018 (VG 85)

G Sire: LISDUFF MANFRED ET LDU

DAM YIELDS	Milk Kgs	Fat Kgs	Ptn Kgs	F+P	BFat%	Ptn%	Clv Int
4 Lact	8102	342	292	634	4.22	3.61	362
Average	6684	269	244	513	3.95	3.61	4
Life (6 Lct)	37391	1471	1337	2808	3.90	3.60	



(IG) DIAMOND ANTON SRM

IRL Code: FR2239  
AI Code: -



HB No.: HOLIRLM211213691374

Bred by: Fabian Jacob, Ballyragget, Co Kilkenny

Date of Birth: 15/02/2015

Breed: HO

Beta Casein: A1A2

Kappa Casein: aAa: 453621

Colour: ED/ED

Sire: IMLEACH LUCKY GLOSS YKG

Dam: DIAMOND GFO AINE

G Sire: GROSS-FARM O-MAN SECRET-ET

DAM YIELDS	Milk Kgs	Fat Kgs	Ptn Kgs	F+P	BFat%	Ptn%	Clv Int
4 Lact	8795	320	316	636	3.64	3.59	355
Average	7871	304	280	584	3.88	3.56	364
Life (5 Lct)	35019	1344	1233	2577	3.84	3.52	



(IG) CAPPASOUTH KAPRI PED

IRL Code: FR4548  
AI Code: -



HB No.: HOLIRLM216499931901

Bred by: James Lynch, Sixmilebridge, Co Clare

Date of Birth: 09/02/2017

Breed: HO

Beta Casein: A2A2

Kappa Casein: aAa: 234156

Colour: 0

Sire: (IG) MEADOWVIEW RODNEY / FR2237

Dam: CAPPASOUTH PRIMO KELLY

G Sire: (IG) BALLINABORTA PRIMO / PBM

DAM YIELDS	Milk Kgs	Fat Kgs	Ptn Kgs	F+P	BFat%	Ptn%	Clv Int
3 Lact	7964	292	276	568	3.67	3.46	370
Average	7426	287	257	544	3.88	3.46	371
Life (3 Lct)	15906	633	551	1184	3.98	3.46	





(IG) NEXTGEN ACTIONSRM

IRL Code: FR4164  
AI Code: -



HB No.: HOLIRLM151941630815

Sire: SEAROAD AWS PAMELA 1 (SEW)

Bred by: Teagasc, Moorepark, Co Cork

Dam: NEXTGEN WLY BLOSSOM 265

Date of Birth: 30/01/2016

G Sire: MLEACH LUCKY WHISTLER / WLY

Breed: HO

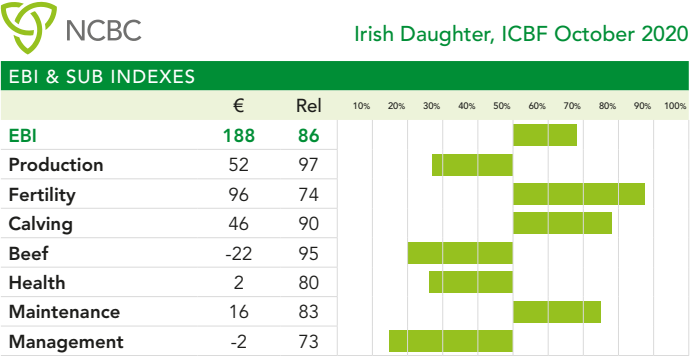
Beta Casein: A2A2

Kappa Casein:

aAa: 435216

Colour: 0

DAM YIELDS	Milk Kgs	Fat Kgs	Ptn Kgs	F+P	BFat%	Ptn%	Clv Int
1 Lact	6785	303	264	567	4.46	3.89	-
Average	6785	303	264	567	4.46	3.89	-
Life (1 Lct)	7112	319	278	597	4.49	3.91	



PRODUCTION			
Milk (Kg)	131	Daus	397
Fat (Kg)	6.0	Herds	137
Protein (Kg)	8.7	% Rel	97
Fat %	+0.01		
Protein (%)	+0.07		
CALVING			
Dairy Heifer Calving Diff %	6.7	89	% Rel
Dairy Cow Calving Diff %	2.6	97	% Rel
Dau Calving	5.0	55	% Rel
Gest Len (Days)	-4.7	99	% Rel
Calf Mort	-0.1	95	% Rel

FERTILITY			
Calving Int (Days)	-4.3	Daus	0
Survival (%)	+3.3	Herds	0
HEALTH			
Lameness	0.01	Average	
SCC	-0.06	Average	
Mastitis (%)	0.00	Average	

TYPE			
Overall	-0.5		
Udder	-0.1		
Feet and Legs	-1.2		

MANAGEMENT			
Temperament	0.12	Average	
Milking Speed	20	Below Ave	

(IG) MODELIGO GRAND MANSRM

IRL Code: OMG  
AI Code: -



HB No.: HOLIRLM151620953652

Sire: BAGWORTH PF GRANDEUR S1F / BGJ

Bred by: David Lonergan, Ballyduff, Co Waterford

Dam: MODELIGO BWZ JENNY 1746

Date of Birth: 31/03/2013

G Sire: BAGWORTH ZANDER KEET / BWZ

Breed: HO

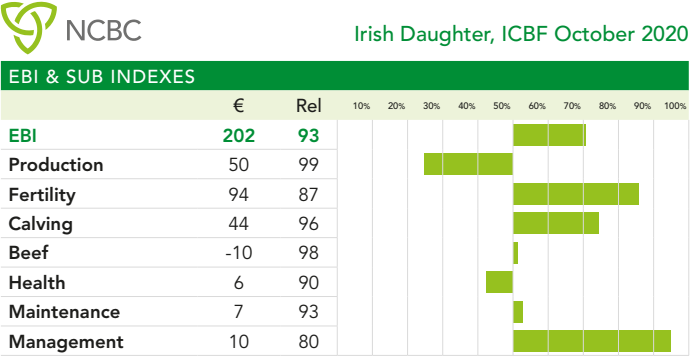
Beta Casein: A2A2

Kappa Casein:

aAa: 354126

Colour: 0

DAM YIELDS	Milk Kgs	Fat Kgs	Ptn Kgs	F+P	BFat%	Ptn%	Clv Int
2 Lact	6620	282	240	522	4.26	3.62	394
Average	5563	244	204	449	4.43	3.68	389
Life (6 Lct)	30131	1291	1088	2379	4.28	3.61	



PRODUCTION			
Milk (Kg)	-44	Daus	717
Fat (Kg)	10.7	Herds	270
Protein (Kg)	4.1	% Rel	99
Fat %	+0.22		
Protein (%)	+0.10		
CALVING			
Dairy Heifer Calving Diff %	5.7	95	% Rel
Dairy Cow Calving Diff %	2.1	98	% Rel
Dau Calving	5.7	86	% Rel
Gest Len (Days)	-4.2	99	% Rel
Calf Mort	-0.6	97	% Rel

FERTILITY			
Calving Int (Days)	-4.5	Daus	333
Survival (%)	+3.0	Herds	787
HEALTH			
Lameness	-0.02	Average	
SCC	-0.04	Average	
Mastitis (%)	-0.03	Good	

TYPE			
Overall	-0.4		
Udder	0.0		
Feet and Legs	-0.6		

MANAGEMENT			
Temperament	0.09	Average	
Milking Speed	-21	Fast	

(IG) CALIBER CORDALPED

IRL Code: FR4197  
AI Code: -



HB No.: HOLIRLM191349491660

Sire: GADDAGH CUDDY REEKS / GZY

Bred by: Michael Griffin, Castleisland Co Kerry

Dam: CALIBER KAZ COLLEEN 1435 (GP 83)

Date of Birth: 02/02/2016

G Sire: CURRA GYK ANGEL 2 / KAZ

Breed: HO

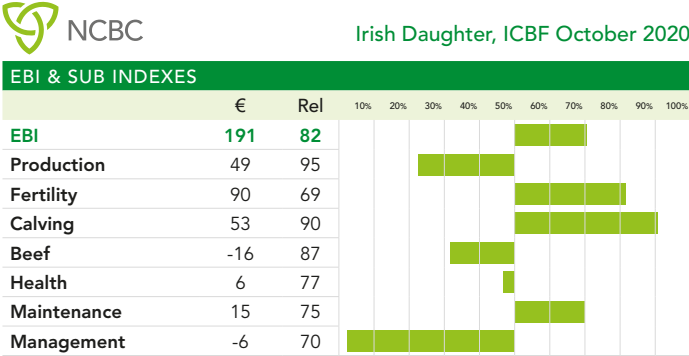
Beta Casein: A1A2

Kappa Casein:

aAa: 324156

Colour: 0

DAM YIELDS	Milk Kgs	Fat Kgs	Ptn Kgs	F+P	BFat%	Ptn%	Clv Int
2 Lact	6701	265	235	500	3.96	3.50	376
Average	6269	254	220	474	4.03	3.51	369
Life (3 Lct)	17847	721	621	1342	4.04	3.48	



PRODUCTION			
Milk (Kg)	-28	Daus	162
Fat (Kg)	3.9	Herds	91
Protein (Kg)	6.5	% Rel	95
Fat %	+0.09		
Protein (%)	+0.13		
CALVING			
Dairy Heifer Calving Diff %	4.2	97	% Rel
Dairy Cow Calving Diff %	1.8	95	% Rel
Dau Calving	5.2	54	% Rel
Gest Len (Days)	-4.4	99	% Rel
Calf Mort	-0.2	95	% Rel

FERTILITY			
Calving Int (Days)	-4.0	Daus	0
Survival (%)	+3.2	Herds	0
BEEF			
Carcass Wt	-8	Average	
Carcass Conf	-0.5	Average	

HEALTH			
Lameness	-0.01	Average	
SCC	-0.09	Average	
Mastitis (%)	-0.02	Good	
TYPE			
Overall	-1.2		
Udder	-1.4		
Feet and Legs	-0.8		

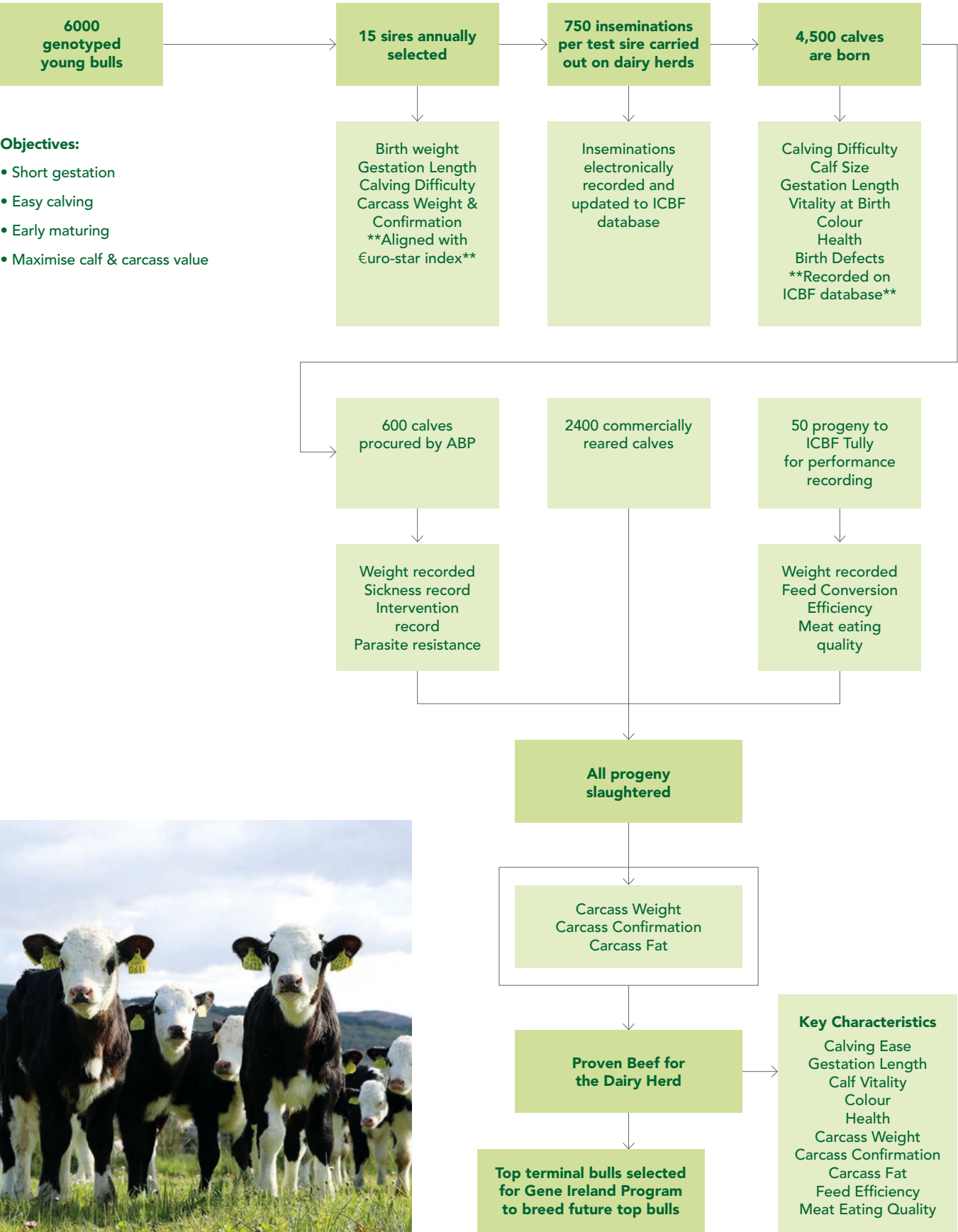
MANAGEMENT			
Temperament	0.02	Average	
Milking Speed	21	Below Ave	





NOTES

BEEF ON DAIRY PROGRAM





Code	Breed	Name	Beef on Dairy Calving difficulty (% 3 & 4)					
			Dairy Heifer PTA	Rel. %	Breed Average	Dairy Cow PTA	Rel. %	Breed Average
AA4089	AA	INTELAGRI MATTEO E.T.	6.4	98	8.07	2.5	99	2.77
AA4640	AA	HW FARGHAL T516	10.41	61	8.07	3.2	94	2.77
AA4088	AA	INTELAGRI MAVERICK E.T.	8.4	97	8.07	3.1	99	2.77
AA2309	AA	ST AODAIN L MASTER	10.9	88	8.07	4.2	97	2.77
AA2123	AA	CHRISTON ELTON P623	8.6	98	8.07	3.5	99	2.77
AA4086	AA	MARIANHILL L PAPA 516	8.7	94	8.07	3.6	98	2.77
AA4631	AA	GABRIEL PAT 1949	5.4	66	8.07	1.9	89	2.77
AA5310	AA	GABRIEL POUNDMAN	8.2	58	8.07	2.6	81	2.77
ZTP	AA	TUBRIDMORE PRIDE K415	5	99	8.07	1.7	99	2.77
AU4683	AU	TURLOUGHMORE MAGNIFICENT	9.4	39	8.62	4.2	82	3.48
HE4297	HE	FABB 1 NORTHERN STAR {HYF}	10.1	69	11.67	3.7	89	4.63
HE4291	HE	ALLOWDALE ADVANCE 573 ET	12.4	68	11.67	4.4	98	4.63
HE4643	HE	MOORSIDE 1 PANDA {{HYF}	10.7	44	11.67	3.9	96	4.63
KKO	HE	DENDOR 1 KOHINOOR PP {HYF}	12.5	84	11.67	5.7	99	4.63
HE4641	HE	MOORSIDE 1 PRESIDENT {HYF}	13.1	46	11.67	5.6	93	4.63
HE4298	HE	FABB 1 NUTCRACKER {HYF}	7.7	88	11.67	3	99	4.63
HE2408	HE	NETHERHALL 1 OZ DAFFY M040	7.4	82	11.67	3.1	98	4.63
HE4266	HE	HOLLYBUSH 1 NOBLE {HYF}	14.3	55	11.67	4.1	95	4.63
ZAG	LM	CASTLEVIEW GAZELLE	9	93	11.9	4.5	99	5.6
LM4360	LM	AHERLA K 7 P	13.3	41	11.9	6.3	88	5.6
BB4286	BB	IDEAL DE PETIT WARET	12.4	31	16.22	7.7	97	10.03
BB4369	BB	COOLBANAGHER KING	14.1	29	16.22	7.2	87	10.03
WA2409	WA	EDENBANE GLENISLA FUJISAWA	5.1	55	n/a	2.3	84	n/a
SH4748	SH	BUNCRAGGY FIREFOX	9.9	31	9.96	5.2	41	4.44

Gestation length (days)			Carcass weight (kg)			Carcass conformation			Recommended Usage
PTA	Rel. %	Breed Average	PTA	Rel. %	Breed Average	PTA	Rel. %	Breed Average	
-3.9	99	0.22	5.6	97	5.98	0.72	96	1.91	Maidens
-0.58	99	0.22	14.6	53	5.98	0.66	40	1.91	2nd calvers
-3.32	99	0.22	6.2	97	5.98	0.63	97	1.91	2nd calvers
-0.17	99	0.22	12.5	99	5.98	0.82	98	1.91	Cows
-3.83	99	0.22	5.8	99	5.98	0.36	99	1.91	2nd calvers
0.48	99	0.22	-1.3	98	5.98	0.46	97	1.91	Cows
-2.78	98	0.22	7.2	52	5.98	0.59	45	1.91	Maidens
-2.11	95	0.22	9.4	47	5.98	0.74	46	1.91	Cows
-1.21	99	0.22	-15.4	99	5.98	0.66	99	1.91	Maidens
0.82	96	0.96	21.5	54	17.85	2.21	49	1.91	Cows
-1.78	99	1.29	0.4	94	4.43	0.57	92	0.5	2nd calvers
-0.32	99	1.29	7.8	95	4.43	0.5	94	0.5	Cows
-0.24	99	1.29	2.7	44	4.43	0.47	37	0.5	2nd calvers
-0.17	99	1.29	3.4	99	4.43	0.69	99	0.5	Cows
-2.91	99	1.29	5.2	55	4.43	0.5	46	0.5	Cows
-2.88	99	1.29	-4.8	95	4.43	0.44	93	0.5	2nd calvers
1.09	99	1.29	-5.6	99	4.43	0.73	99	0.5	2nd calvers
0.49	99	1.29	-2.3	96	4.43	0.74	94	0.5	Cows
4	99	3.82	19.3	99	23.58	2.17	99	2.14	Cows
1	98	3.82	24	74	23.58	1.99	66	2.14	Cows
-0.74	99	0.92	22.9	92	35.68	2.57	89	2.83	Cows
2.05	97	0.92	19.3	60	35.68	2.54	46	2.83	Cows
-0.46	98	n/a	-19.5	75	-1.86	-0.03	65	2.85	Maidens
0.16	58	1.2	14.3	44	2.96	0.68	42	0.48	Cows

