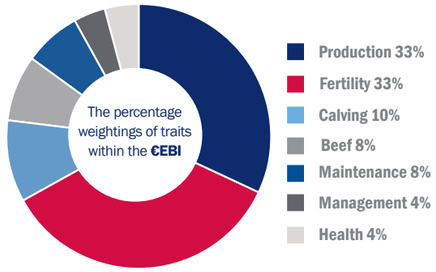
Selecting the right index for you...

€EBI

EBI is a single figure profit index aimed at helping farmers to 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. A summary of the sub-indexes, including traits and relative weightings for traits in the EBI are given in Table 1. The economic values in the index are based on data collected from Irish Dairy Farms and the Dairy Industry.

€EBI:

- Focusing on high components compared to milk yield.
- Promotes fertile cows to reduce calving interval.
- Selects for calving ease, gestation length and calf mortality.
- Carcass size, weight and conformation.
- Looks at the overall size of the cow.
- Concentrating on milking speed and temperament.
- Looking at lameness, cell counts and mastitis.



Fertility Sub Index
Takes into account calving interval and survival.

Calving Sub Index
Takes into account calving ease, gestation length and calf mortality.

Beef Sub Index
Looks at carcass size, weight and conformation.

Milk Sub Index
Looks for heavy weighting of Protein and Fat compared to milk yield, aligning itself to component contracts.

Health
Looks at lameness, SCC and mastitis.

Maintenance
Takes into account the size of the cow.

IRISH EBI SUMMARY JULY 2021

	Below Average	Above Average	Euro	Rel. %
EBI			311	52
Milk			92	70
Fertility			152	37
Calving			41	55
Beef			-13	43
Maintenance			13	40
Health			16	59

Using €EBI helps UK farmers to identify the best bulls to breed dairy herd replacements for grazing systems.

Delivering...
Profit From Genetic Progress

Genus ABS

IRISH HOLSTEIN FRIESIAN

CHERRYHILL BEN

SCA RONALD X CUR RUDOLPH X SEA PAMELA 1

AI CODE: HO6651
HH1T HH2T HH3C HH4T HH5T HH6T
TC TD TL TN TS TV TY
HBN: HOIRL 218169192373
HO (78.13%), FR (21.88%)
NAAB: 29HO20125

CHERRYHILL BEN

€230 EBI

£416 ACI

£346 SCI

IRISH EBI SUMMARY JULY 2021 ICBF

	Below Average	Above Average	Euro	Rel. %
EBI			230	53
Milk			59	71
Fertility			137	38
Calving			31	56
Beef			-13	42
Maintenance			12	39
Health			3	62

£ACI/SCI HEALTH & FERTILITY AUGUST 2021 AHDB

	Below Average	Above Average
Fertility Index		11.5
Lifespan (days)		79
SCC		-1
Maintenance (kgs)		-2
Calving Ease (Direct)		1.7
Gestation (Days)		-1

£ACI/SCI PRODUCTION AUGUST 2021 AHDB

£ACI	+106	61% Rel.
Milk kg	+106	65% Rel.
Fat	+13.2	+0.17%
Protein	+11	+0.14%
Dtrs/Herds	0/0	

IRISH EBI PRODUCTION & FERTILITY JULY 2021 ICBF

Milk kg	-16	71% Rel.
Fat kg	+9	+0.17%
Protein kg	+7	+0.13%
Calving Int (days)	-7.90	44% Rel.
Udder (SCC)	-0.06	70% Rel.
Gestation Length (days)	-3.54	60% Rel.

CHERRYHILL COLIN

FRANKO X EVERT X HAZE

AI CODE: HO5656
HH1C HH2T HH3T HH4T HH5T HH6T
TC TD TL TN TS TV TY
HBN: HOIRL218169192019
HO (81.25%), FR (18.75%)
NAAB: 29HO17461

CHERRYHILL COLIN

€290 EBI

£424 ACI

£366 SCI

IRISH EBI SUMMARY JULY 2021 ICBF

	Below Average	Above Average	Euro	Rel. %
EBI			290	62
Milk			86	79
Fertility			128	48
Calving			46	73
Beef			-15	51
Maintenance			18	48
Health			9	68

£ACI/SCI HEALTH & FERTILITY AUGUST 2021 AHDB

	Below Average	Above Average
Fertility Index		12.5
Lifespan (days)		100
SCC		-4
Maintenance (kgs)		-2
Calving Ease (Direct)		1.1
Gestation (Days)		-3

£ACI/SCI PRODUCTION AUGUST 2021 AHDB

£ACI	+424	64% Rel.
Milk kg	-202	67% Rel.
Fat	+14.2	+0.47%
Protein	+4.8	+0.24%
Dtrs/Herds	0/0	

IRISH EBI PRODUCTION & FERTILITY JULY 2021 ICBF

Milk kg	-32	79% Rel.
Fat kg	+17	+0.33%
Protein kg	+8	+0.16%
Calving Int (days)	-6.22	52% Rel.
Udder (SCC)	-0.04	76% Rel.
Gestation Length (days)	-4.04	88% Rel.

CHERRYHILL EDMOND

LAURENCE X S OMAN X RUUD 22

AI CODE: H06649

HH1T HH2T HH3T HH4T HH5T HH6T
TC TD TL TN TS TV TY
HBN: H0IRL218169172322
HO (71.88%), FR (25%), MY (3.13%)
NAAB: 29H020124

CHERRYHILL EDMOND

€311 EBI

£377 ACI

£317 SCI

IRISH EBI SUMMARY JULY 2021 ICBF

	Below Average	Above Average	Euro	Rel. %
EBI			311	52
Milk			92	70
Fertility			152	37
Calving			41	55
Beef			-13	43
Maintenance			13	40
Health			16	59

£ACI/SCI HEALTH & FERTILITY AUGUST 2021 AHDB

	Below Average	Above Average	
Fertility Index			7.8
Lifespan (days)			57
SCC			3
Maintenance (kgs)			5
Calving Ease (Direct)			1.7
Gestation (Days)			-2

£ACI/SCI PRODUCTION AUGUST 2021 AHDB

£ACI	+377	61% Rel.
Milk kg	+19	64% Rel.
Fat	+14.5	+0.27%
Protein	+11.1	+0.21%
Dtrs/Herds	0/0	

IRISH EBI PRODUCTION & FERTILITY JULY 2021 ICBF

Milk kg	+170	70% Rel.
Fat kg	+16	+0.17%
Protein kg	+12	+0.11%
Calving Int (days)	-8.68	43% Rel.
Udder (SCC)	-0.09	67% Rel.
Gestation Length (days)	-3.22	61% Rel.

BALLYMADDOCK TEIDI

ALBERT X C REEKS X OMAN

AI CODE: H06648

HH1T HH2T HH3C HH4T HH5T HH6T
TC TD TL TN TS TV TY
HBN: HOIRL219292191408
HO (75%), FR (25%)
NAAB: 29H020127

BALLYMADDOCK TEIDI

€270 EBI

£402 ACI

£320 SCI

IRISH EBI SUMMARY JULY 2021 ICBF

	Below Average	Above Average	Euro	Rel. %
EBI			270	58
Milk			90	78
Fertility			119	46
Calving			92	56
Beef			6	45
Maintenance			-1	45
Health			10	64

£ACI/SCI HEALTH & FERTILITY AUGUST 2021 AHDB

	Below Average	Above Average	
Fertility Index			7.7
Lifespan (days)			70
SCC			-1
Maintenance (kgs)			18
Calving Ease (Direct)			1.8
Gestation (Days)			-3

£ACI/SCI PRODUCTION AUGUST 2021 AHDB

£ACI	+402	62% Rel.
Milk kg	+128	65% Rel.
Fat	+15.2	+0.19%
Protein	+14.5	+0.20%
Dtrs/Herds	0/0	

IRISH EBI PRODUCTION & FERTILITY JULY 2021 ICBF

Milk kg	+92	78% Rel.
Fat kg	+13	0.17%
Protein kg	+12	0.15%
Calving Int (days)	-6.29	50% Rel.
Udder (SCC)	-0.09	72% Rel.
Gestation Length (days)	-4.57	61% Rel.

CURRA SCOOBY

ART X BOWSER X SUNNYBANK OMAN

AI CODE: H05658

HH1T HH2T HH3T HH4T HH5T HH6T
TC TD TL TN TS TV TY
HBN: HOIRL222458242344
HO (75%), FR (25%)
NAAB: 29H017463

CURRA SCOOBY

€188 EBI

£239 ACI

£224 SCI

IRISH EBI SUMMARY JULY 2021 ICBF

	Below Average	Above Average	Euro	Rel. %
EBI			188	63
Milk			93	78
Fertility			78	48
Calving			23	83
Beef			-5	48
Maintenance			-5	50
Health			2	67

£ACI/SCI HEALTH & FERTILITY AUGUST 2021 AHDB

	Below Average	Above Average	
Fertility Index			9.9
Lifespan (days)			21
SCC			8
Maintenance (kgs)			14
Calving Ease (Direct)			0.9
Gestation (Days)			-2

£ACI/SCI PRODUCTION AUGUST 2021 AHDB

£ACI	+239	64% Rel.
Milk kg	-100	67% Rel.
Fat	+4.2	+0.17%
Protein	+5.2	+0.17%
Dtrs/Herds	0/0	

IRISH EBI PRODUCTION & FERTILITY JULY 2021 ICBF

Milk kg	+131	78% Rel.
Fat kg	+11	+0.10%
Protein kg	+14	+0.16%
Calving Int (days)	-3.73	52% Rel.
Udder (SCC)	-0.01	74% Rel.
Gestation Length (days)	-3.72	98% Rel.

CHERRYHILL TOM

ALBERT X WDS RAMOS X LANCE

AI CODE: H06143

HH1T, HH2T, HH3T, HH4T, HH5T, HH6T,
TC, TD, TL, TN, TS, TV, TY
HBN: HO IRL 218169152155
HO (75%), FR (25%)
NAAB: 29H020040

CHERRYHILL TOM

€192 EBI

£170 ACI

£136 SCI

IRISH EBI SUMMARY JULY 2021 ICBF

	Below Average	Above Average	Euro	Rel. %
EBI			192	58
Milk			91	78
Fertility			51	45
Calving			47	55
Beef			-13	45
Maintenance			6	48
Health			6	62

£ACI/SCI HEALTH & FERTILITY AUGUST 2021 AHDB

	Below Average	Above Average	
Fertility Index			5.9
Lifespan (days)			24
SCC			9
Maintenance (kgs)			18
Calving Ease (Direct)			0.8
Gestation (Days)			-2

£ACI/SCI PRODUCTION AUGUST 2021 AHDB

£ACI	+170	62% Rel
Milk kg	+73	66% Rel.
Fat	+5.4	+0.05%
Protein	+8.6	+0.12%
Dtrs/Herds	0/0	

IRISH EBI PRODUCTION & FERTILITY JULY 2021 ICBF

Milk kg	+257	78% Rel.
Fat kg	+14	+0.07%
Protein kg	+14	+0.09%
Calving Int (days)	-1.22	49% Rel.
Udder (SCC)	-0.03	71% Rel.
Gestation Length (days)	-4.04	60% Rel.

IRISH HOLSTEIN FRIESIAN

The Herd Ranking tool allowing block calving herds to achieve goals faster

Rob Burlton (Key Account Manager)
Coral & Matthew Senior (Farm owners)

Herd Type: Spring and Autumn Block - British Friesian
Location: Somerset
Herd Size: 320

Matthew & Coral senior milk 320 British Friesian cross cows in an organic block calving system. The herd is split into both spring and autumn block calving patterns (9 weeks and 6 weeks, respectively). Lely robots were installed 2 years ago and the cows graze from the middle of February to November. The average yield is currently 5,300 kgs milk at 4.7% Butterfat, with the goal of achieving 5,500 kgs milk.

10 years ago the herd began with 100% Jersey cattle and the initial goal was to increase yield and body size. Therefore, the British Friesian was used as the perfect cross and has been successful in achieving an increased yield and bodyweight. At the same time, the fertility of the British Friesian has been key in maintaining the tight block calving pattern.

The introduction of the Herd Ranking Tool...
"To drive the productivity and profitability of our herd we decided to use a sexed and beef strategy in conjunction with Genus ABS' Herd Ranking Tool, to unlock the potential of every female in the herd," explains Coral Senior.

Coral continues, "The Herd Ranking Tool is a fantastic tool that fully utilises our milk records to rank our herd on the Autumn Calving Index (£ACI) or Spring Calving Index (£SCI). This is great as you can compare different breeds on the same base. Based on the replacements needed, it will recommend which females to breed to dairy and which to breed to beef.

We have always ranked our herd's performance. However, the Herd Ranking Tool provides the opportunity to customise your own index allowing you to weight for the traits that are most important to you. For example, you can add weight for key traits that are essential for your system. Paul Voysey and Rob Burlton our Breeding advisor and Key Account Manager, take our data and sit down and talk through the results with us."

New opportunities
"The introduction of robots combined with the increase in genetic progress has contributed to increased yield and saved us time. The extra time saved through not milking has unlocked other ventures. We have opened five milk vending machines within the local area and their demand has continued to grow! This has been a hugely positive step which has resulted in the increase of our overall milk price across the whole herd! We are very excited about the future of our business and recognise that the Herd Ranking Tool and overall Sexcel® and beef strategy is a very simple way we can achieve our goals quicker," Matthew Senior concludes.