COF

Utilization of the Dairy Beef Index to secure a strong calf market

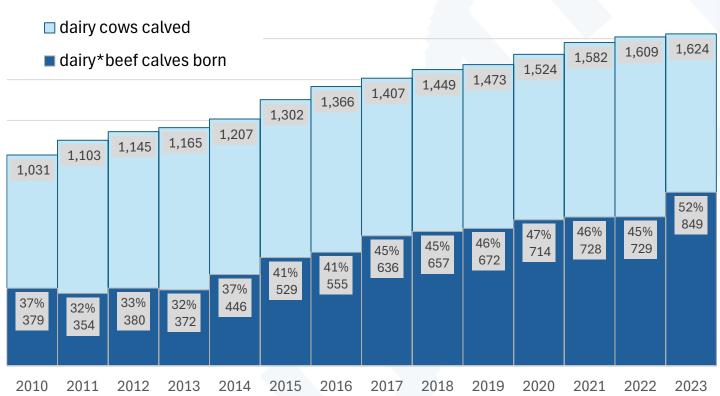
ICBF dairy Conference, Corrin Mart, 11th December 2024





The Irish Dairy Industry

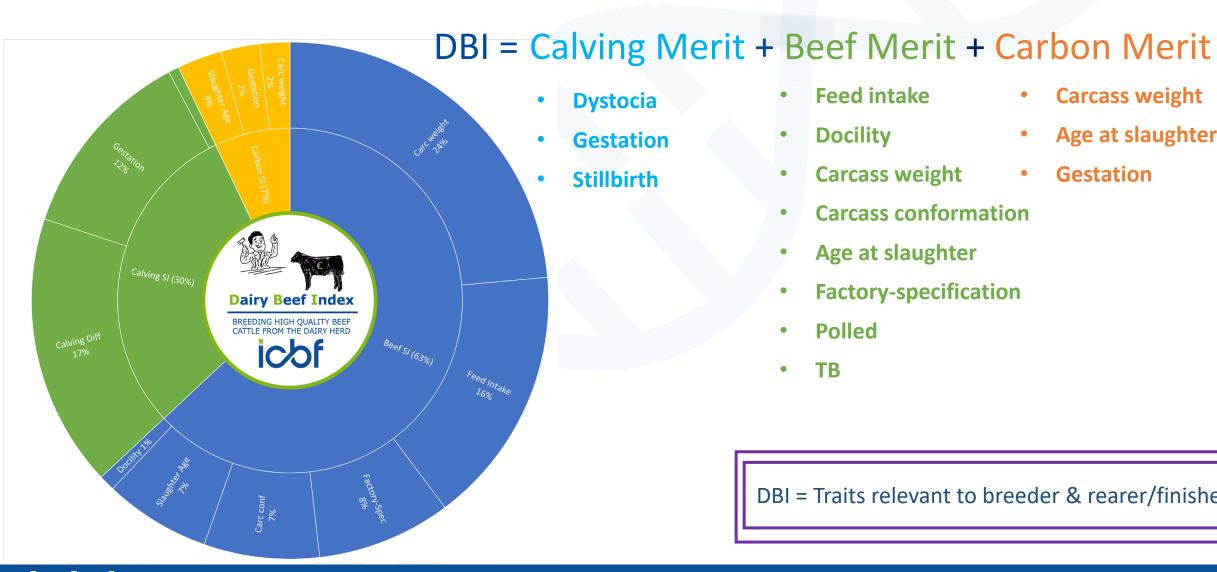
Dairy Cow Calvings and Dairy*Beef Births ('000)







The Dairy Beef Index (DBI)



- **Feed intake**
- **Carcass weight**

Docility

- Age at slaughter
- **Carcass weight**
- Gestation
- **Carcass conformation**
- Age at slaughter
- **Factory-specification**
- **Polled**
- **TB**

DBI = Traits relevant to breeder & rearer/finisher

What's needed when using beef sires



Herd EBI Scorecard



Herd Number: {	Your Herd	National Average	National Top 10%	Your National Rank	Star Rating ¹
Herd EBI	€190	€181	€235	66%	***
Milk Sub-Index (Milk, Fat & Protein)	€ 51	€53	€69	53%	***
Fertility Sub-Index (Calving Interval & Survival)	€ 83	€79	€115	61%	***
Carbon Sub-Index	€8	€7	€14	51%	***
Calving Sub-Index(Gestation, Calving Difficulty, Mortality)	€ 38	€30	€39	86%	****
Beef Sub-Index (Carcass Weight, Conformation & Fat)	€ -13	€-7	€1	21%	**
Maintenance Sub-Index (Cow Liveweight)	€ 14	€13	€20	53%	***
Management Sub-Index (Milking speed & Temperament)	€ 2	€1	€2	76%	***
Health Sub-Index (SCC, Mastitis, Lameness & TB)	€8	€7	€10	71%	***
1 Star Rating: * = 1 - 20% ** = 21 - 40% *** = 4:	1 60%	4444 -	61 90%	4444	★ = 81 - 100%

Knowledge of your herd

Ability of your cows to calve

Ability to generate a good beef calf

Cow Calving SI and 2024 performance

Calving SI	Alive Cows in eval with 2024 calf		Index a	ind PTAs	Phenotypic performance 2024			
category		Calving Subindex	Dairy Cow PTA %	Dairy Cow Maternal PTA %	Sire of calf PTA%	Normal Calving %	Some Assistance %	Difficult/Vet %
Top 20%	121,674	€49	2.3%	4.6%	3.1%	97%	2.9%	0.4%
Top 40 %	115,503	€38	2.4%	4.6%	3.1%	95%	4.3%	0.7%
Top 40-Btm 40%	95,106	€31	2.6%	4.7%	3.2%	93%	5.7%	1.0%
Btm 40%	95,106	€31	2.6%	4.7%	3.2%	91%	7.7%	1.4%
Btm 20%	96,070	€3	3.2%	4.8%	3.4%	85%	12.5%	2.5%

Calving Sub index also includes heifer calving, gestation and mortality

Highly reliable (>90%) Al sires: PTA versus lifetime performance

PTA Dairy Cow Diff %	Sires	eval progeny	normal calving %	Some assistance %	Difficult %	% Dairy sires	% Angus	% Hereford	% Continental
1%	62	884	94%	5%	1%	84%	16%	0%	0%
2%	1,108	1,795	91%	7%	1%	95%	4%	0%	0%
3%	1,425	1,402	86%	12%	2%	92%	5%	2%	1%
4%	631	836	76%	19%	4%	81%	5%	7%	8%
5%	245	724	72%	22%	6%	71%	2%	12%	16%
6%	109	769	69%	25%	6%	42%	4%	14%	40%
7%	65	911	67%	26%	7%	28%	0%	18%	55%
8%	48	1,854	67%	26%	7%	10%	0%	6%	83%
9%	23	1,028	66%	26%	8%	13%	0%	4%	83%
10%	43	1,132	60%	29%	10%	7%	0%	5%	88%

Decide on what level of assistance and difficulty you are comfortable with in your herd



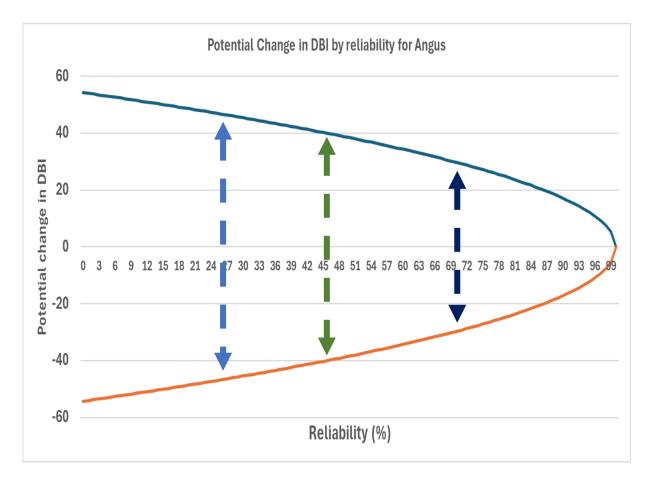
What's available? - Current Active Beef Al sires

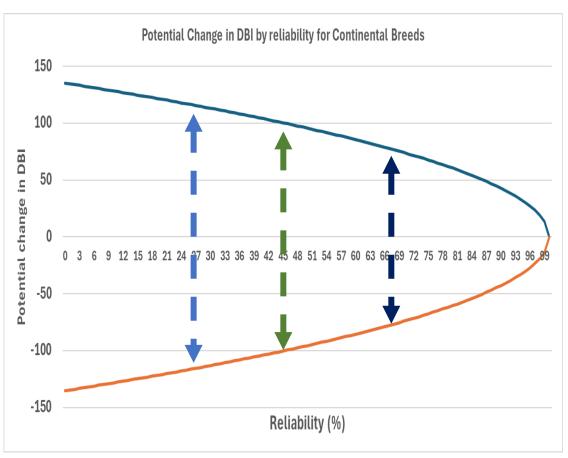
PTA Dairy Cow %	Sires	DBI	DBI rel %	Calving SI	Beef SI min	Beef SI avg	Beef SI max	Cwt PTA avg
1%	1	€131	80	€47	€78	€78	€78	1
2%	46	€148	70	€48	€58	€94	€136	7
3%	123	€143	71	€33	€39	€106	€175	11
4%	110	€124	73	€1	€51	€125	€193	15
5%	109	€114	67	-€31	€74	€154	€213	24
6 %	130	€96	70	-€55	€86	€159	€222	27
7%	96	€77	67	-€82	€88	€169	€225	31
8%	88	€62	67	-€106	€97	€178	€221	32
9%	62	€34	65	-€138	€122	€183	€223	34
10%	53	-€33	76	-€204	€106	€181	€263	32

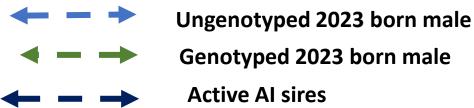
Significant variation in DBI Beef Beef Sub-index at each level of calving difficulty



Level of potential DBI change







Sire Advice



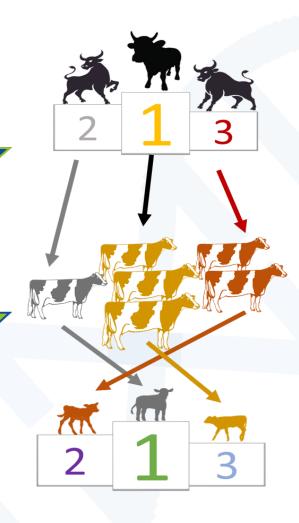
Sire

Rank Sires

Rank Matings

Rank Progeny

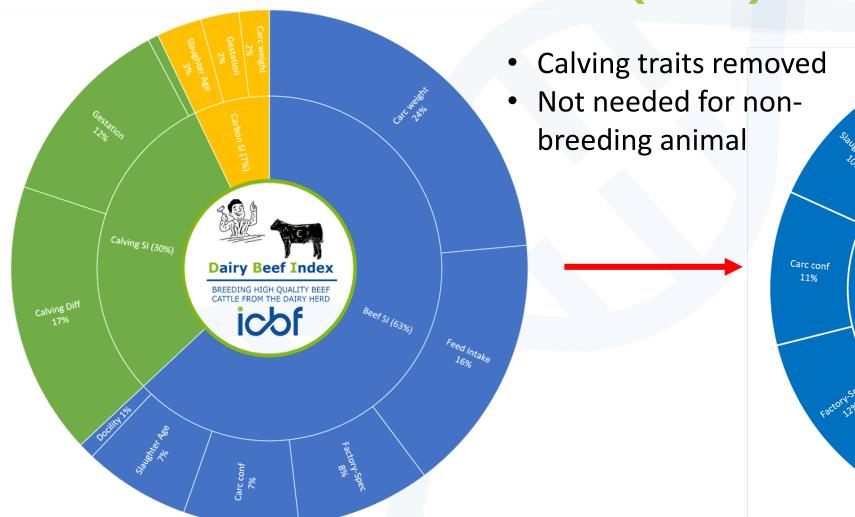
Commercial Beef Value

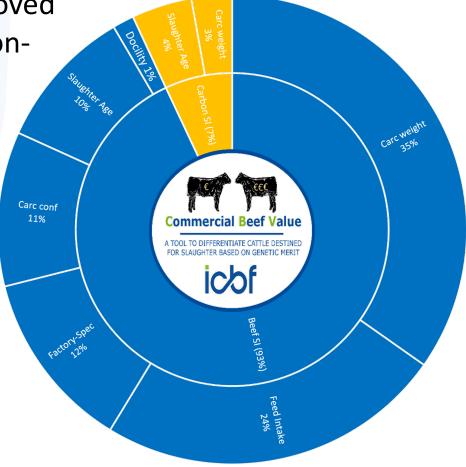


- 1. Farmer chooses sires and usage rates
 - Farmer choses females for dairy, beef, culling, crossbreeding....
- 2. algorithm factors in:
 - Female predisposition to difficult calving + sire's calving difficulty genetic merit
 - Matching beef merit
- 3. Farmer can save on database and send to technician handheld
- 4. 42% of cows were put through Sire Advice in 2024



Calf on the ground: Commercial Beef Value (CBV)







Does CBV work?

62k AA*HF steers finished so far in 2024 Association with CBVs generated Dec 2023

Star				prediction ughter (E		Phenot	ypic Perfor	Price		
Rating	count	CBV (€)	Age at Finish (days)	Carcass weight (kgs)	Conf (1-15)	Age at Finish (days)	Carcass weight (kgs)	Conf (1-15)	Calf price (€)	Factory Price (€)
5	12,495	€119	1.1	6	0.49	794	320	5.46	€215	€1,738
1	12,507	€36	3.4	-9	-0.10	821	308	5.04	€170	€1,657
5 1	/ 1	+€83	-2.31	+15	+0.59	-26	+12	+0.42	+€45	+€82

Additional benefit from 26 days reduced age at Finish @€1.66 day (Teagasc) = €43



Herds Beef merit and DBI beef SI needed

Significant Variation in EBI Beef Sub-index

Rank on EBI Beef SI	EBI Beef SI	Minimum DBI Beef SI	equired to produce a
		4* CBV calf	5* CBV calf
Bottom 20% herds	-€18	>€90	>€138
Bottom 40% herds	-€9	>€82	>€120
Average	-€5	>€78	>€116
Top 40% herds	-€2	>€75	>€113
Top 20% herds	+€2	>€71	>€110



Commercial Beef Value (CBV)

Where can I find it?

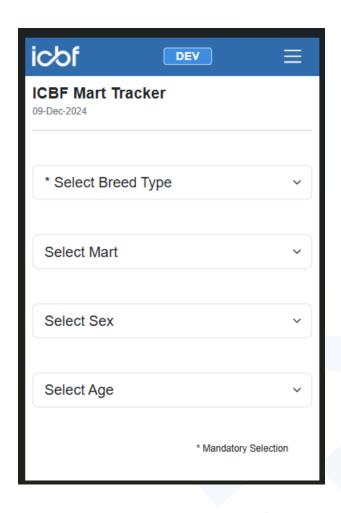
- Online profile for HerdPlus herds all animals with sire recorded.
- Available on mart boards.
- Animals must be genotyped to appear on mart boards sire verified.

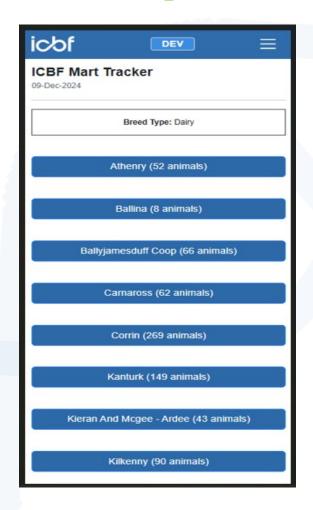
	Commercial Beef Value										
Breed Type ^	Value € ^	Star Ranking (Across Breed)	Star Ranking (Within Breed Type) ^	Carcass Weight (kg) ^	Carcass Conformation (1-15 scale)	Carcass Fat (1-15 scale)	Feed Intake (kg DM/day)	Docility (1-5 scale) ^			
Dairy x Beef	110	****	****	8.1	0.29	0.07	0.39	0.12			
Dairy x Beef	102	****	****	6.2	0.18	0.01	0.29	0.08			
Dairy x Beef	90	****	****	4.3	-0.18	-0.23	0.23	0.12			
Dairy x Beef	87	****	****	4.4	0.14	0.12	0.32	0.10			
Dairy x Beef	81	****	****	0.8	0.19	-0.08	0.11	0			
Dairy x Beef	80	****	****	-0.3	0.19	0.00	0.06	0.08			
Dairy x Beef	76	****	****	2.1	0.13	0.11	0.22	0			
Dairy x Beef	67	****	****	-1.3	0.21	0.06	0.11	0			
Dairy x Dairy	65	****	****	3.9	-0.65	-0.38	0.32	0			
Dairy x Dairy	62	****	****	3.2	-0.55	-0.10	0.34	0.11			
Dairy x Dairy	55	****	****	1.5	-0.75	-0.09	0.24	0.15			
Dairy x Dairy	51	****	****	0.3	-0.88	-0.30	0.20	0.17			
Dairy x Dairy	48	****	****	-1.5	-0.40	-0.26	0.16	0			
Dairy x Beef	46	****	****	-2.7	-0.13	0.06	0.17	0.07			
Dairy x Dairy	44	****	****	-0.2	-0.77	-0.26	0.26	0.14			

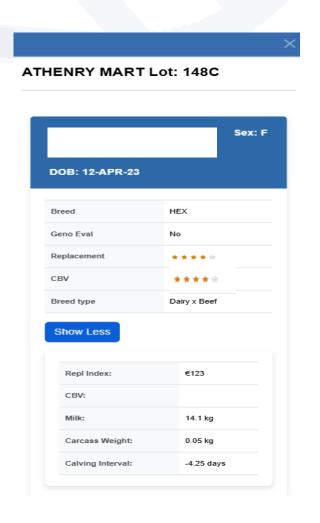




New search option for buyers









Financial Incentive to Use Better DBI Bulls

Objective:

Improve genetic merit of beef sires used

Requirement:

Use a beef bull that is:
 At least 3* on Dairy Beef Index
 and
 At least 3* on Beef Sub-Index of the DBI

Payment:

- €20 per eligible calves (max. 50 calves)
- Some Coops now factoring DBI into Sustainability
 Bonus





Summary

- Use the DBI to identify suitable beef bulls
- •Easy calving bulls, with short gestation and high beef merit are available
- New scheme launched to financially incentivise use of superior beef bulls
- Trading now influenced by CBV on mart boards
- •Steps to achieving the best beef bulls for your herd, and maximise CBV of calves
 - 1. Choose an acceptable calving difficulty range for the right cows (1st calvers vs mature)
 - 2. Maximize the Beef Sub-Index of the DBI



Our Farmer & Government Representation







Our Al & Milk Recording Organisations









Our Herdbooks



Ireland











SIMMENTAL

IRISH

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Irish Charolais

Cattle Society

















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