



Teagasc/ICBF Discussion Groups Dec 2021



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AgTech - it's in our DNA

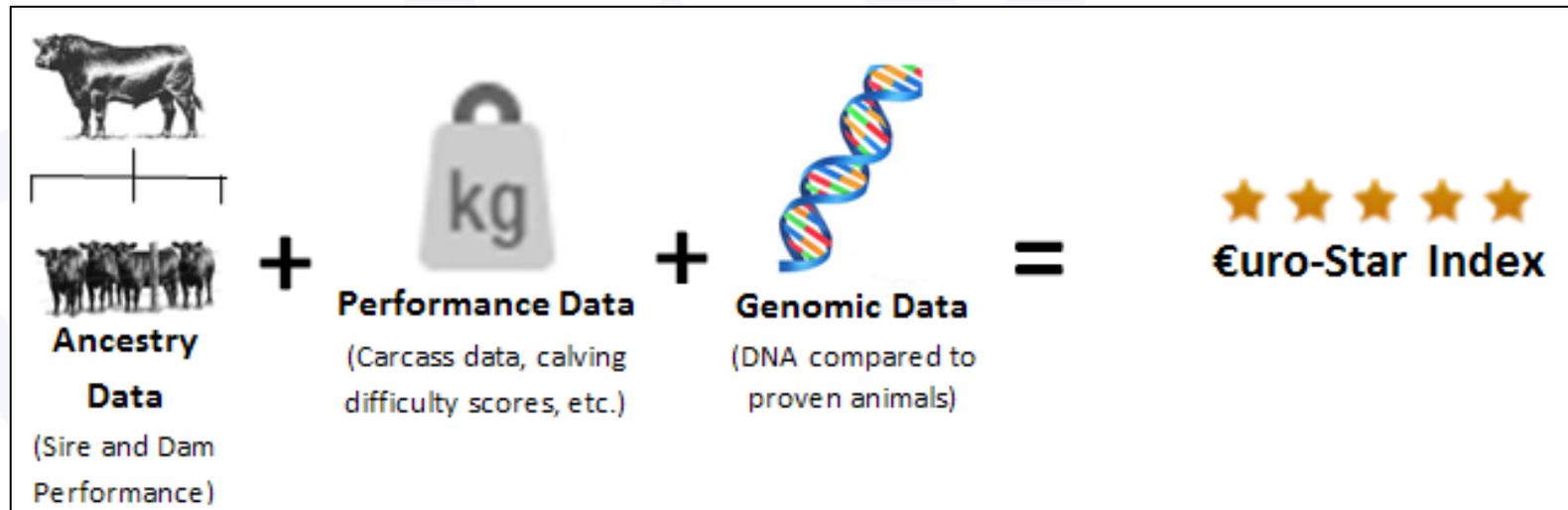
Agenda

- Survey responses
- What is the Euro-Star Index
- Validation of Euro-Star Indexes
- Interpreting the indexes and applying to your herd
- Discussion Group Data

€uro-Star Indexes

What are they?

- A tool for selection of more profitable animals
- Estimation of an animal's genetic potential
- Based on data collected on an animal + relatives
- More data = higher reliability



€uro-Star Indexes

Where does it start for an animal?



€uro-Star Indexes

Where does it start for an animal?



Sire



+



Dam



÷ 2

=



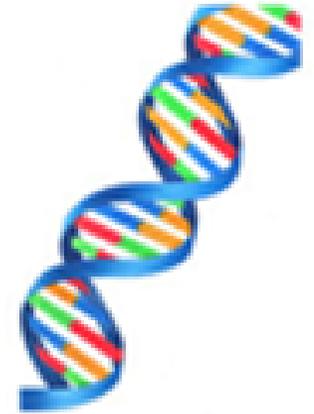
**Parent
Average**

€uro-Star Indexes

As the animal gets older



Performance Data



Genomic Data

€uro-Star Indexes

Genomics – Improved selection of breeding animals



**Which ones
will I keep?!?!**



- Higher reliabilities on young animals → less risk
- Confirm parentage & prevent inbreeding.
- Identify genetic defects

€uro-Star Indexes

Good quality data is vital

Birth Size	Vigour	Docility	Quality
L	VG	VG	G
L	VG	VG	G
L	VG	VG	G
L	VG	VG	G
L	VG	VG	G
L	VG	VG	G
L	VG	VG	G
L	VG	VG	G
L	VG	VG	G
L	VG	VG	G



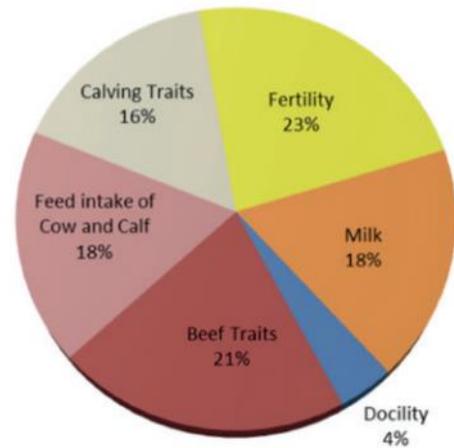
All of my cows
calve on their
own!!!!



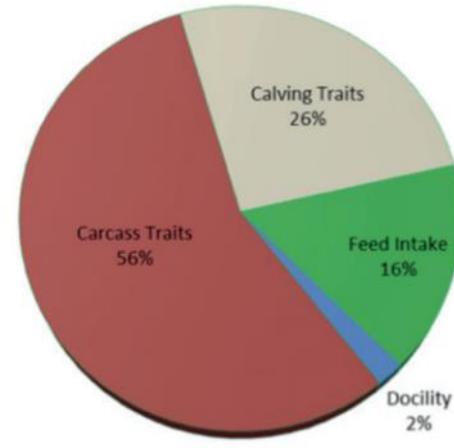
Genetic Improvement within the Irish Suckler Beef Herd.

How are the traits weighted in the Euro-Star Indices?

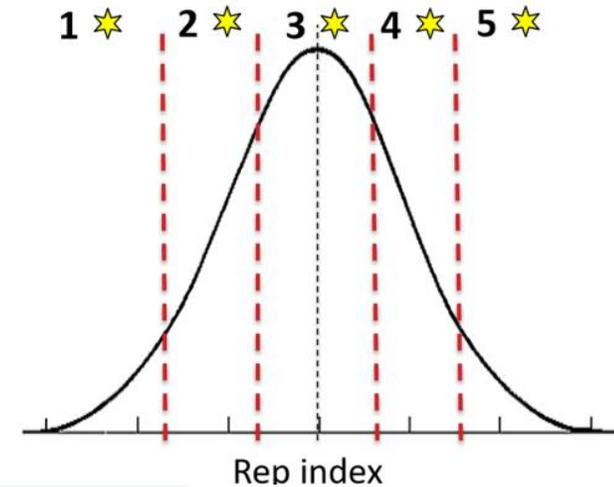
Replacement Index



Terminal Index



What do the star ratings mean?



“French bred son of the proven easy calver Voimo”

Star Rating (Within Breed)	Economic Indexes	€ Value	Index Reliability	Star Rating (Across Breed)
★★★★★	Replacement Index	€110	46%	★★★★★
★★★	Terminal Index	€129	52%	★★★★
CALVING DIFFICULTY (births requiring considerable assistance: %3 & 4)				
When Mated With				
Beef Cow	Breed avg: 5.66%, All breeds avg: 3.83%	+4.5%	69% (High)	43% (Average)
Beef Heifer	Breed avg: 10.89%, All breeds avg: 8.22%	+12.4%		
Star Rating (Within Breed)	Key Replacement Profit Traits	Value	Reliability	Star Rating (Across Breed)
EXPECTED PROGENY PERFORMANCE				
★★★	Docility (1-5 scale) Breed avg: 0.04, All breeds avg: 0.02	0.04	43%	★★★★★
★★★★	Carcass Weight (Kg) Breed avg: 33.43kg, All breeds avg: 16.49kg	+36.3kg	55%	★★★★★
★	Carcass Conformation (1-15 scale) Breed avg: 1.88, All breeds avg: 1.4	+1.45	54%	★★★
EXPECTED DAUGHTER BREEDING PERFORMANCE				
Daughter Calving Diff (%3&4) Breed avg: 4.66%, All breeds avg: 5.39%				
★★★★★	Daughter Milk (kg) Breed avg: -3.63kg, All breeds avg: 2.29kg	+5kg	49%	★★★★★
★★★	Daughter Calving Interval (days) Breed avg: -13 days, All breeds avg: -0.81 days	-1.2 days	35%	★★★

To order straws call 023 8820452

- Past focus on terminal traits => deterioration of maternal traits.
- Replacement index introduced in 2014 to improve maternal traits & maintain terminal traits.

Genetic Trends within the Suckler Beef Herd.

Fig 2. Genetic Trends for Maternal Milk & CI Days, based on 1st calving suckler beef heifers.

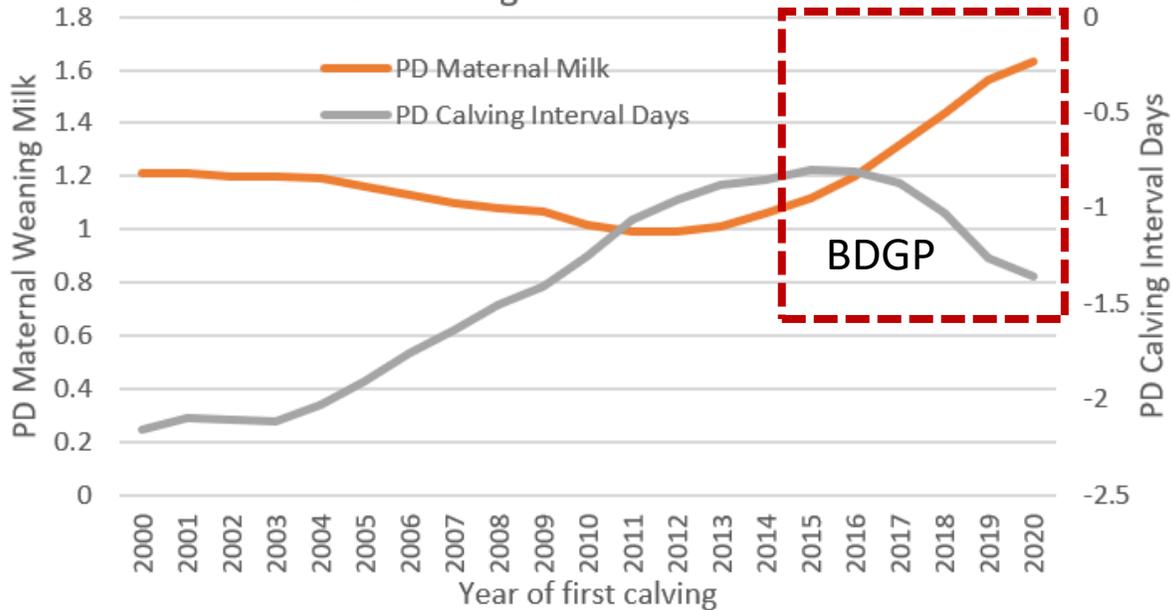
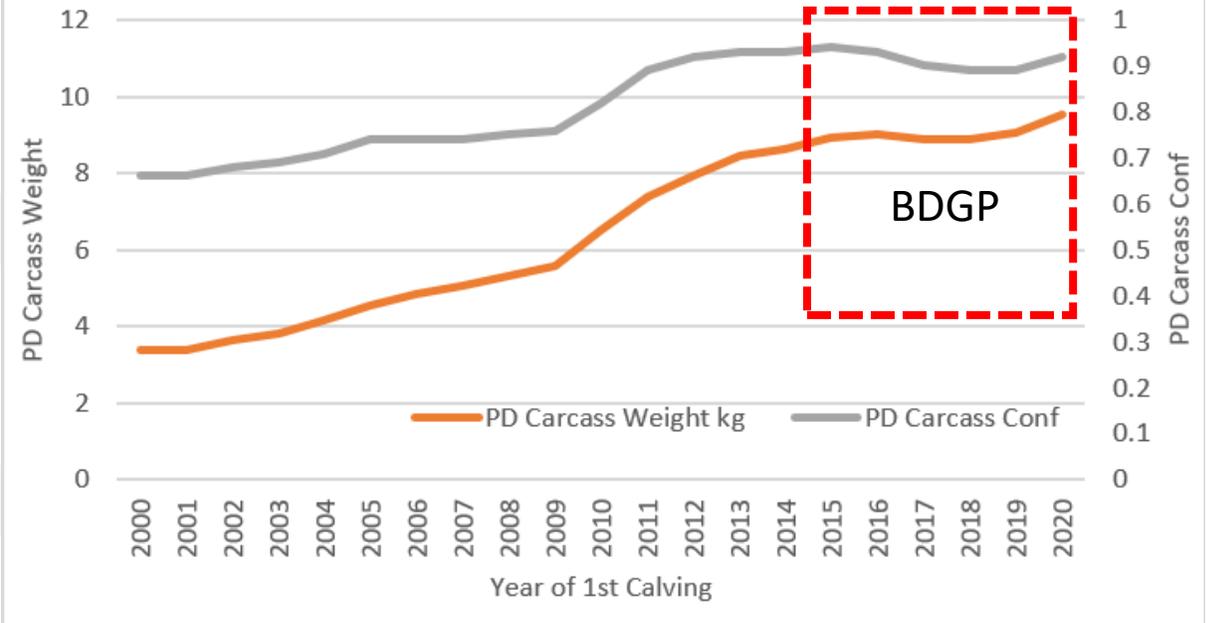


Fig 3. Genetic Trends for Carcass Weight and Conformation, based on Suckler Bred Females.



- Impact of BDGP most pronounced => now accelerating gains in milk and fertility traits, whilst holding carcass weight and conformation traits constant.

Indexes are moving us in the right direction.

T1. Impact of Herd Replacement Index on key performance & sustainability metrics*

Herd Average Trait	Source	Replacement Index Eurostars					
		SD	Btm 20%	Btm 21-40%	Average	Top 21-40%	Top 20%
Average Replacement Index	ICBF/BDGP		€42	€63	€80	€96	€122
Cow Liveweight (All parities; kg)	BEEP	56.0	688.8	669.5	664.3	655.5	651.6
Calf 200 day Liveweight (kg)	BEEP	34.8	279.7	280.1	284.9	286.3	287
Weaning Efficiency (%)	BEEP	5.5	40.8	42.0	43.0	43.9	44.3
Calving Interval (days)	ICBF	28.7	399.1	394.2	389.8	384.6	387.7
Calves/cow/year	ICBF	0.12	0.85	0.88	0.89	0.91	0.91
Profit/livestock unit	Teagasc		€207	€219	€238	€244	€262
Carbon Footprint (GHG/kg)	Bord Bia	1.82	13.16	12.97	12.82	12.42	11.91

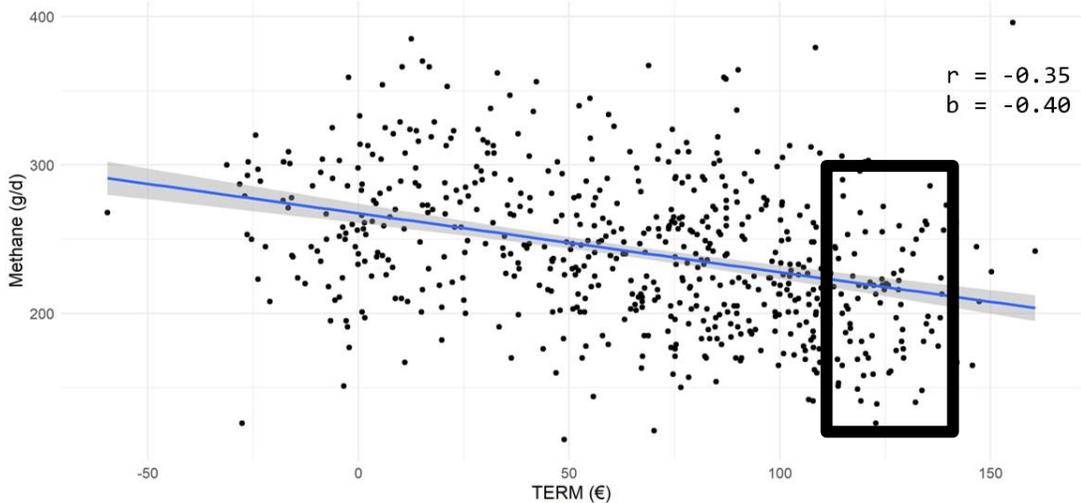
David Kelly, PhD, Teagasc.

- Analysis based on 3,150 herds with valid carbon footprint, BEEP, and genetic merit data from 2020 for analysis

Where next for indexes/breeding direction.

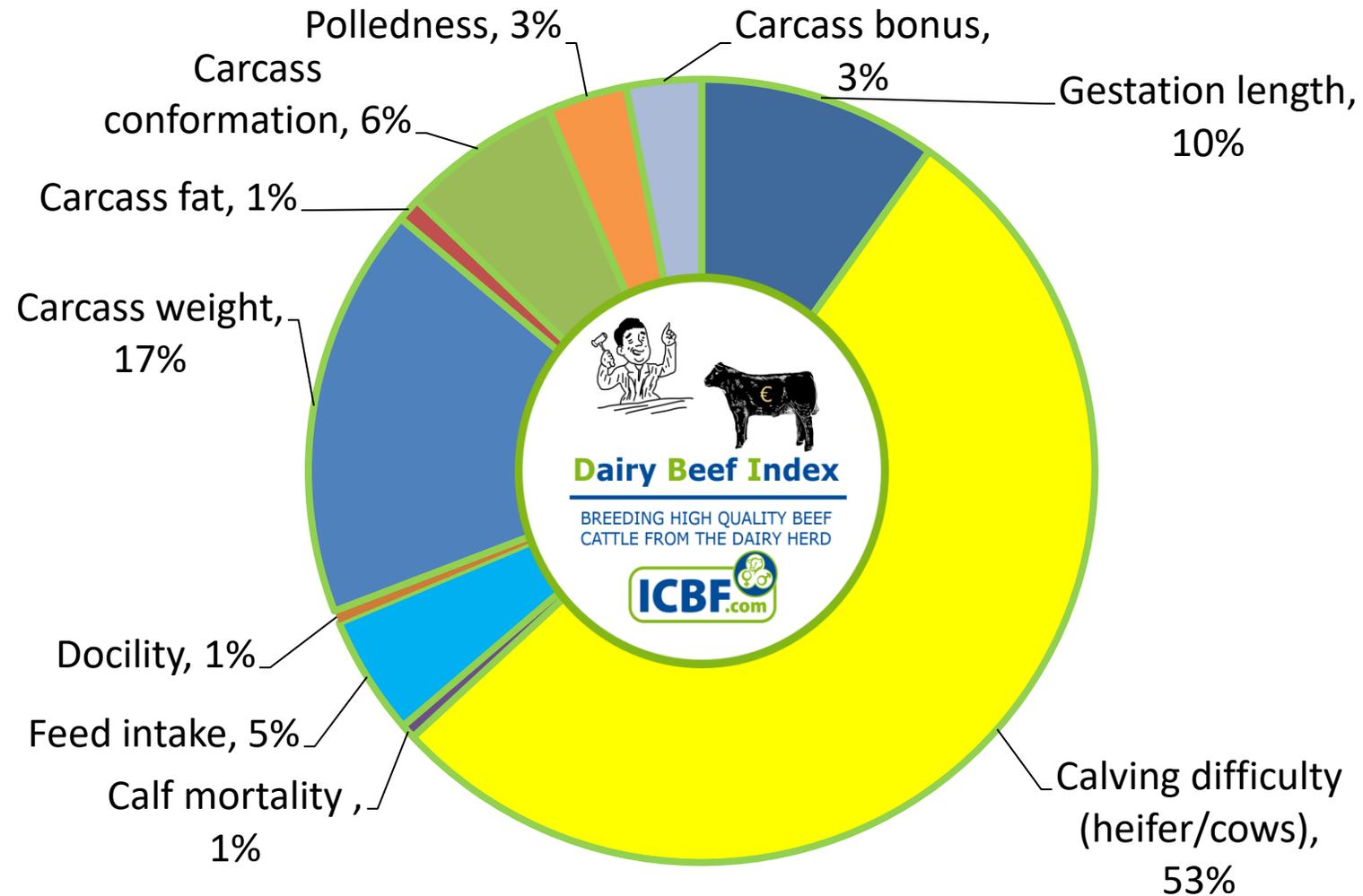


Current TERM effect on methane



- Climate/environment => Increasing focus on efficiency traits.
 - Cow costs (CI, survival, age at 1st calv, weight, milk...)
 - Quicker days to finish at target carcass weight.
- Direct selection for methane.
 - Animals that will produce less methane for a given level of performance.
- DNA calf registration.
 - All animals genotyped at birth.
- Suckler cow herd is now moving in right direction => more profitable & more carbon efficient.
- Confident that we can increase further in the future.

Dairy Beef Index (DBI)



- Breed bulls suitable for use in the dairy herd.
- Only applicable to pedigree breeders producing bulls for dairy market.
- Not applicable to commercial suckler farmers

Commercial Beef Value (CBV)

Background

How can I tell the good from the bad?!?!



Farmers need a tool which gives them an insight into the genetic merit of an animal to help them make more informed purchasing decisions



I'm 25% JE and my daddy is a low carcass merit AA bull.

-€20
★

€87
★★★★★

I have 0% JE and my daddy is a high carcass merit HE bull.

Commercial Beef Value (CBV)

What is it?



- Terminal Index less the calving traits (calving diff, gestation and mortality).
- Carcass weight, conf and fat, feed intake and docility.

Commercial Beef Value (CBV)

What animals will receive it?



Commercial suckler males and uncalved females



Dairy males



Dairy x beef males and uncalved females

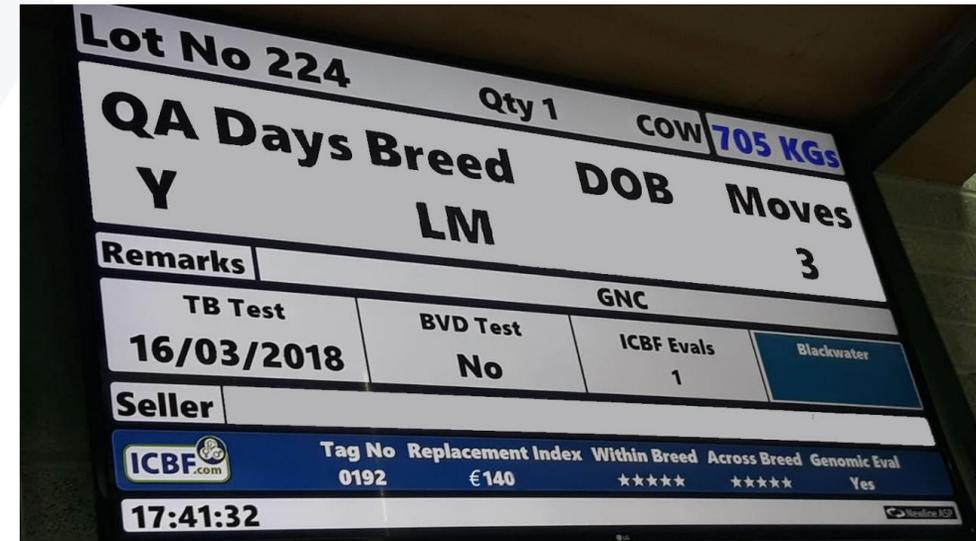
- The following will not have a CBV available:
 - Pedigree beef males and females
 - Dairy females
 - Calved females

Commercial Beef Value (CBV)

Where will it be visible?

- Online profile for HerdPlus herds.
- Plan to roll out to mart boards >>> 2022
- Report to be developed for HerdPlus herds.

Commercial Beef Value						
Value €	Star Ranking (Across Breed)	Carcass Weight (kg)	Carcass Conformation (1-15 scale)	Carcass Fat (1-15 scale)	Feed Intake (kg DM/day)	Docility (1-5 scale)
317	★★★★★	70.6	4.26	-1.14	-0.58	0.02
283	★★★★★	63.2	4.30	-0.80	-0.38	0.02
277	★★★★★	67.6	3.62	-0.96	0.02	0.26
275	★★★★★	58.8	3.76	-1.32	-0.52	0.26
274	★★★★★	66.4	3.78	-0.74	-0.04	0.14
268	★★★★☆	59.2	4.00	-1.14	-0.34	0.06
262	★★★★☆	58.0	4.04	-0.70	-0.28	0.22
259	★★★★☆	66.8	2.78	-1.06	0.02	0.04
254	★★★★☆	50.4	4.50	-0.80	-0.54	0.12
247	★★★★☆	61.0	2.66	-1.16	-0.14	0.08
246	★★★★☆	65.6	3.66	-0.70	0.56	0.12
246	★★★★☆	60.6	2.92	-0.62	-0.22	-0.08



Commercial Beef Value (CBV)

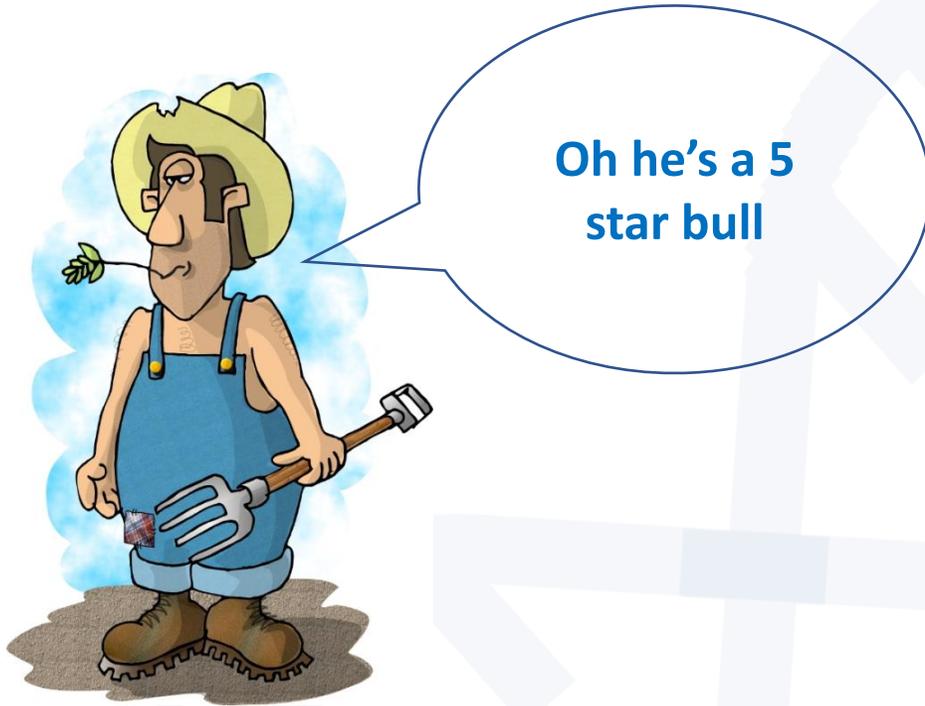
Are higher CBV animals generating higher value carcasses?

Dairy x Beef Animals

	Count	CBV	PD Cwt kg	Cwt kg	n Spec ConIn	Spec Fat	Price	€-value	Age Slau
- 5 stars - Top 20%	716	€95.5	8.7	378.0	95%	91%	€4.23	€1,601.3	31.3
- 4 stars - 21-40%	383	€13.9	3.1	356.1	84%	92%	€4.23	€1,507.3	31.3
- 3 stars - 40-60%	437	-€9.5	0.3	352.4	77%	94%	€4.20	€1,479.0	31.3
- 2 stars - 21-40%	515	-€24.4	-1.9	347.2	72%	91%	€4.17	€1,446.8	31.5
- 1 star - Btm 20%	678	-€49.8	-5.9	335.7	69%	93%	€4.15	€1,393.3	31.6
- No Sire = No stars	2571			350.4	81%	92%	€4.23	€1,481.3	31.1

€uro-Star Indexes

Interpretation is critical



Oh he's a 5
star bull

- 5 stars for what?
- Is that the current evaluation?
- Is the bull performance recorded?
- Is the bull genotyped?
- Is the bull parentage verified?

Star Rating (within Simmental breed)	Economic Indexes	Purpose	€uro value	Index reliability	Star Rating (across all beef breeds)
★★★★★	<u>Replacement</u> (per daughter lactation)	To breed future cows for the suckler herd	€210	93% (V High)	★★★★★
★★★★★	<u>Terminal</u>	To breed beef animals from the suckler herd that are destined for slaughter	€100	96% (V High)	★★★★☆
★★★★★	<u>Dairy Beef</u>	To breed beef animals from the dairy herd that are destined for slaughter	€51	93% (V High)	★★★★☆

exes

? 1. Start with the overall index

- Replacement
- Terminal
- Stars tell you where bull ranks

Calving Difficulty (births requiring considerable assistance; % 3 & 4)		
When Mated With:	Value	Reliability
<u>Beef Heifers</u> Breed avg: 8.97%, All breeds avg: 8.17%	8.5%	97% (V High)
<u>Beef Cows</u> Breed avg: 3.60%, All breeds avg: 3.79%	3.5%	99% (V High)

2. Look at the traits you need

- Easy calving for heifers?
- High carcass?
- Milk + Fert?

Star Rating (within Simmental breed)	Key profit traits	Index value	Trait reliability	Star Rating (across all beef breeds)
Expected progeny performance				
★★★★☆	<u>Docility (1-5 scale)</u> Breed avg: 0.06, All breeds avg: 0.02	0.09 scale	99% (V High)	★★★★★
★★★★☆	<u>Carcass weight (kg)</u> Breed avg: 21.95kg, All breeds avg: 16.78kg	24.9kg	99% (V High)	★★★★★
★★★★★	<u>Carcass conformation (1-15 scale)</u> Breed avg: 1.38, All breeds avg: 1.42	1.63 scale	99% (V High)	★★★★☆

3. Watch reliability

- Especially on calving diff for heifers.
- Low rel > multiple bulls

Expected daughter breeding performance				
	<u>Daughter calving difficulty (% 3 & 4)</u> Breed avg: 5.47%, All breeds avg: 5.37%	4.72%	93% (V High)	
★☆☆☆☆	<u>Daughter milk (kg)</u> Breed avg: 8.17kg, All breeds avg: 2.39kg	3.90kg	98% (V High)	★★★★☆
★★★★★	<u>Daughter calving interval (days)</u> Breed avg: -0.44 days, All breeds avg: -0.90 days	-8.24days	80% (V High)	★★★★★

Animal Details				Replacement Index				
Jumbo	Animal Tag Date Of Birth Breed	Sire ID Dam Tag	Calvings	Index Value (€) Across Breed Stars	Rel % Herd Rank	Carcass Weight (Kg) Across Breed	Daught. Milk (Kg) Across Breed	Daught. Calving Interval (Days) Across Breed
205	IE141461060205 31-JAN-2013 SI(50%),LM(44%)	CQA IE141461010076	7	€170 ★★★★★	69% 15	+43.9 ★★★★★	+4.9 ★★★★	-1.99 ★★★★
300	372224667880300 26-JAN-2018 AA(50%),SA(25%)	ZLL IE141461040260	2	€185 ★★★★★	54% 9	+23.1 ★★★★	+7.8 ★★★★★	-4.41 ★★★★★
392	372224667810392 09-FEB-2021 AA(50%),LM(44%)	AA4315 372224667890326		€157 ★★★★★	29% 25	+13.5 ★★	+9.85 ★★★★★	-3.39 ★★★★★
1012	372224151291012 03-FEB-2018 LM(50%),HO(41%)	ZAG IE141877611850	1	€132 ★★★★★	48% 71	+6 ★	+11.1 ★★★★★	-2.44 ★★★★
1428	IE241293141428 04-APR-2012 AA(38%),HO(38%)	IE241282520749 IE151326870820	7	€135 ★★★★★	62% 62	-13.9 ★	+14.7 ★★★★★	-3.45 ★★★★★

Too high on carcass.
Cows too heavy!

Balanced indexes
with varying
degrees of carc,
milk and fert.

Too low on carcass.
Imbalanced towards
milk + fert.

Should I just

overall index?

Star Rating (within Simmental breed)	Economic Indexes	Purpose	€uro value	Index reliability	Star Rating (across all beef breeds)
★ ★ ★ ★ ★	Replacement (per daughter lactation)	To breed future cows for the suckler herd	€23	98% (V High)	★ ★ ★ ★ ★
★ ★ ★ ★ ★	Terminal	To breed beef animals from the suckler herd that are destined for slaughter	€46	95% (V High)	★ ★ ★ ★ ★
★ ★ ★ ★ ★	Dairy Beef	To breed beef animals from the dairy herd that are destined for slaughter	- €50	94% (V High)	★ ★ ★ ★ ★

Calving Difficulty (births requiring considerable assistance; % 3 & 4)		
When Mated With:	Value	Reliability
Beef Heifers Breed avg: 8.97%, All breeds avg: 8.17%	11.9%	95% (V High)
Beef Cows Breed avg: 3.60%, All breeds avg: 3.79%	5.5%	99% (V High)

Star Rating (within Simmental breed)	Key profit traits	Index value	Trait reliability	Star Rating (across all beef breeds)
Expected progeny performance				
★ ★ ★ ★ ★	Docility (1-5 scale) Breed avg: 0.06, All breeds avg: 0.02	0.08 scale	99% (V High)	★ ★ ★ ★ ★
★ ★ ★ ★ ★	Carcass weight (kg) Breed avg: 21.95kg, All breeds avg: 16.78kg	13.1kg	99% (V High)	★ ★ ★ ★ ★
★ ★ ★ ★ ★	Carcass conformation (1-15 scale) Breed avg: 1.38, All breeds avg: 1.42	0.99 scale	99% (V High)	★ ★ ★ ★ ★

Expected daughter breeding performance				
	Daughter calving difficulty (% 3 & 4) Breed avg: 5.47%, All breeds avg: 5.37%	5.52%	98% (V High)	
★ ★ ★ ★ ★	Daughter milk (kg) Breed avg: 8.17kg, All breeds avg: 2.39kg	8.30kg	99% (V High)	★ ★ ★ ★ ★
★ ★ ★ ★ ★	Daughter calving interval (days) Breed avg: -0.44 days, All breeds avg: -0.90 days	5.88days	98% (V High)	★ ★ ★ ★ ★

"That

figures?"

Star Rating (within Limousin breed)	Economic Indexes	Purpose	€uro value	Index reliability	Star Rating (across all beef breeds)
★ ★ ★ ★ ★	Replacement (per daughter lactation)	To breed future cows for the suckler herd	-€48	96% (V High)	★ ★ ★ ★ ★
★ ★ ★ ★ ★	Terminal	To breed beef animals from the suckler herd that are destined for slaughter	€90	94% (V High)	★ ★ ★ ★ ★
★ ★ ★ ★ ★	Dairy Beef	To breed beef animals from the dairy herd that are destined for slaughter	-€72	85% (V High)	★ ★ ★ ★ ★

Calving Difficulty (births requiring considerable assistance; % 3 & 4)		
When Mated With:	Value	Reliability
Beef Heifers Breed avg: 8.47%, All breeds avg: 8.17%	26.4%	94% (V High)
Beef Cows Breed avg: 3.72%, All breeds avg: 3.79%	18.0%	99% (V High)

Star Rating (within Limousin breed)	Key profit traits	Index value	Trait reliability	Star Rating (across all beef breeds)
Expected progeny performance				
★ ★ ★ ★ ★	Docility (1-5 scale) Breed avg: -0.06, All breeds avg: 0.02	0.01 scale	99% (V High)	★ ★ ★ ★ ★
★ ★ ★ ★ ★	Carcass weight (kg) Breed avg: 23.65kg, All breeds avg: 16.78kg	31.3kg	99% (V High)	★ ★ ★ ★ ★
★ ★ ★ ★ ★	Carcass conformation (1-15 scale) Breed avg: 2.15, All breeds avg: 1.42	2.71 scale	99% (V High)	★ ★ ★ ★ ★

Expected daughter breeding performance				
	Daughter calving difficulty (% 3 & 4) Breed avg: 4.82%, All breeds avg: 5.37%	3.99%	95% (V High)	
★ ★ ★ ★ ★	Daughter milk (kg) Breed avg: -0.52kg, All breeds avg: 2.39kg	-5.20kg	99% (V High)	★ ★ ★ ★ ★
★ ★ ★ ★ ★	Daughter calving interval (days) Breed avg: 1.16 days, All breeds avg: -0.90 days	7.45days	90% (V High)	★ ★ ★ ★ ★

€uro-Star Indexes

Applying to your herd

1. Know what you are trying to produce

- Many different systems on Irish suckler farms
- Focus on index and traits of importance to your system
- Calving difficulty and docility applicable to all



€uro-Star Indexes

Applying to your herd

2. Identify where your cow herd is weak

- Use HerdPlus Euro-Star report
- Overall Replacement Index of herd
- Individual traits e.g. carcass, milk, calving interval, etc.

Example Herd - Breeding replacements and males for slaughter

		Replacement Index				
Group	Number of Cows	Index Value (€)	Across Breed	Carcass Weight (Kg)	Daught Milk (Kg)	Daught Calving Interval (Days)
Cows						
Total Cows	28	€82	★★★★★	+27 ★★★★★	+2.1 ★★★	+2.17 ★
Missing Stars*	0					

Actions for this herd



Carcass Weight →

Replacement Index

& Milk +

Calving Interval

(fertility) ---





HerdPlus €uro-Star report summary page

€uro-Star Indexes

Applying to your herd

How can we bring about genetic improvement?

3. Sire Selection

- Sires should be genetically superior to cows
- Maternal & Beef Traits → Replacement Index
- Beef traits only → Terminal Index
- AI 'Active Bull List'
- Stock bull finder

Define the
system

Look at cow
traits

Improve
through sires



Suckler Beef Discussion Group Data

Dec 2021



An Roinn Talmhaíochta,
Bia agus Mara
Department of Agriculture,
Food and the Marine



AgTech - it's in our DNA

5 year Trend Report Report.



5 Year Trend Suckler Herd



Print Date: 20-01-2021

Herd Number: 1

Evaluation: Nov 2020

Your Herds Progress Snapshot (2016-2020)

Improved ↑

No Change =

Disimproved ↓

1. Replacement Index (Cows)



4. Calves per Cow per Year



2. Replacement Index (1st Calvers)



5. Heifers Calved 22-26 Months



3. Herd Calving Interval



6. Six Week Calving Rate Spring

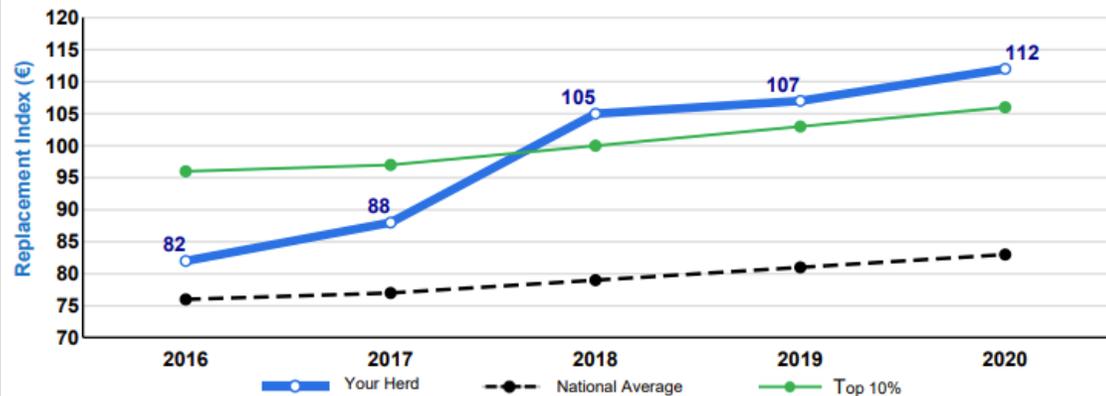


Cow Numbers Over The Last 5 Years

*Figures are taken on 30th June each year

	2016	2017	2018	2019	2020
*Total Cows	64	60	76	69	64
Average lactation	4.5	4.1	2.8	2.9	3.2

1. Replacement Index (Cows)



- Taking herd 5 year trend reports (2017-2021).
- Individual members data.
- Accessible via HerdPlus accounts.
- Compiled into group report, for further analysis & discussion.
- Focus on 2017 versus 2021 for trend comparisons.

5 year Trend; Group Performance.

NAME	HERD_NUM	Rep Index Cows			Rep Index Heifers			Calving Interval			Calves/cow/year			Heifers Calved 24 Mts		
		2021	2017	Diff	2021	2017	Diff	2021	2017	Diff	2021	2017	Diff	2021	2017	Diff
		106	86	20	98	106	-8	350	359	-9	1	0.97	0.03	0	0	0
		118	80	38	117	79	38	414	372	42	0.88	0.94	-0.06	83	0	83
		93	93	0	86	106	-20	387	374	13	1.02	0.86	0.16	0	14	-14
		101			99			469			0.78			100		
		95	76	19	125	68	57	371	362	9	0.97	0.98	-0.01	100	72	28
		91	83	8		100		407	374	33	0.81	0.93	-0.12		67	
		83	69	14	93	78	15	381	397	-16	1.01	0.92	0.09	9	0	9
		77	67	10		64		387	387	0	0.94	0.88	0.06		100	
		107	109	-2	91	100	-9	367	370	-3	0.99	0.96	0.03	100	100	0
		118	97	21	128	114	14	372	362	10	0.91	0.97	-0.06	33	86	-53
		73	70	3		65		347	418	-71	0.74	0.71	0.03		67	
		104	90	14	94	95	-1	386	419	-33	0.83	0.77	0.06	0	0	0
		120	80	40	126	113	13	418	400	18	0.77	0.88	-0.11	0	14	-14
		60	82	-22	23	82	-59	377			0.81	0.8	0.01	0	80	-80
		82	85	-3	18	79	-61	462	430	32	0.47	0.85	-0.38	0	33	-33
		56	46	10	44	61	-17	368	391	-23	0.98	0.71	0.27	84	50	34
		110	89	21	104	83	21	376	381	-5	0.87	0.87	0	13	40	-27
		49	52	-3		45		367	397	-30	0.83	0.73	0.1		100	
		76	85	-9	66	28	38	487	380	107	0.67	0.78	-0.11	25		
		90	80	10	87	81	2	394	387	4	0.86	0.86	0.00	36	48	-5

- Heifers should really be ahead of cows on Rep Index =>> Genetic gain
- Heifers calved at 24 months at 36%. Can this be improved? Reasons why people don't do it?

Weanling Efficiency Report.



Weaning Performance Report

Animals born between 01/07/2019 - 30/06/2020



Print Date:
Herd Owner:
Herd Number:

- Based on cow & calf weight data recorded on farm during period 1 July 2020 to 30 June 2021.
- Access report via ICBF HerdPlus.
- Available for all herds as part of BEEP-S.

1. Summary Data - Overview of weight performance of calves born in your herd and their dams.

A. Calf Performance

All Calves

	Born In Period*	No. Weighed**	ADG (kg)	Avg. 200 Day Weight (kg)	
				Your Herd	Target
All	70	55	1.6	364	N/A
Males	36	22	1.68	381	300
Females	34	33	1.54	352	250

B. Cow & Sire Performance

All Cows

	Calved in Period	No. Weighed*	Avg. Weight (kg)	Weaning Efficiency (Calf 200 Day Weight as % of Cow Weight)	
				Your Herd	Target
All	67	49	637	58%	42%
1st Calvers	17	15	575	64%	42%
2nd Calvers	16	12	621	57%	42%
3rd + Calvers	34	22	688	56%	42%

Discussion Group Reports

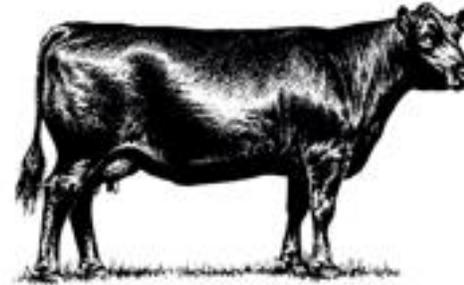
5-Year Trend Report

All Calves

All
Males
Females



Calf 200 Day
Weight = 335 kg



Cow Weight
= 680 kg



335 kg = 49% of 680 kg

Weaning Efficiency % = 49%

All Cows

All
1st Calvers
2nd Calvers
3rd + Calvers

200 Day Weight (kg)

Period	Target
	N/A
	300
	250

Weaning Efficiency (as % of Cow Weight)

	Target
	42%
	42%
	42%
	42%

21

25

802

41%

Weanling Efficiency; Group Performance.

NAME	HERD_NUM	Calves	ADG All Calves	ADG Males	ADG Females	200 day wt All calves	200 day wt males	200 day wt females	Cow weight	Weanling Eff %
		27	1.59	1.61	1.57	365	369	358	758	49
		24	1.1	1.11	1.08	263	267	259	536	49
		28	1.27	1.36	1.18	298	318	279	689	44
		33	1.05	1.11	0.99	253	266	239	612	42
		49	1.25	1.28	1.23	294	300	288	610	49
		6	1.24	1.19	1.31	291	282	304	574	51
		65	1.06	1.12	0.99	256	269	241	661	39
		28	1.17	1.31	1.04	279	309	252	606	46
		21	1.18	1.25	1.13	280	296	268	738	38
		11	0.91	0.95	0.87	226	237	213	699	36
		21	1.16	1.26	1.12	277	298	268	680	41
		27	1.17	1.24	1.12	277	292	265	674	42
		17	1.19	1.23	1.1	282	290	262	626	45
		14	1.15	0.81	1.2	253	205	261	569	45
		32	1.4	1.43	1.35	314	324	295	722	44
		54	0.92	0.99	0.89	227	243	220	581	39
		90	1.18	1.23	1.13	280	291	269	591	48
		77	1.12	1.13	1.1	268	273	263	638	43
Average		35	1.17	1.20	1.13	277	285	267	642	44

- Average Weanling Efficiency for the group is 44% (42% Nationally).
 - Generally a lighter cow relative to other groups.
- Big variation in this figure within group members.. Area for discussion?

Some Take Home Messages.

- Well done. Some good performance in the group
 - Rep Index Cows & Heifers => Slightly above average (€85).
 - Definite room for improvement (Top 10% €111)
 - Weanling efficiency => Top 20%.
 - CI Days => Below average. Avg. Increase of 4 days since 2017
 - Calves/cow/year => Above average. Possible to increase >0.90?
- Increasing the Replacement index of the herd => using teams of high replacement index AI bulls when generating herd replacements (*min €25 ahead of cow herd*).
 - Know where you herd is at re: milk/fertility vs. beef merit.
- Best wishes for the 2022 calving + breeding season. And for the years ahead!

Our Farmer & Government Representation



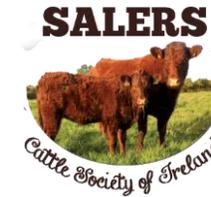
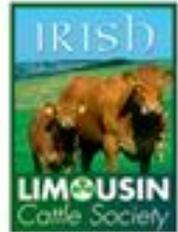
An Roinn Talmhaíochta,
Bia agus Mara
Department of Agriculture,
Food and the Marine



Our AI & Milk Recording Organisations



Our Herdbooks



MRI Cattle Society of Ireland
Meuse Rhine Isel -- Milk & Muscle!



Norwegian Red Cattle Society



Acknowledging Our Members