



# CBV: Commercial Beef Value

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**ICAR 2024**

Session 1A

*Decision Support Tools of the Future –  
Promoting Sustainability Farm Management*



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

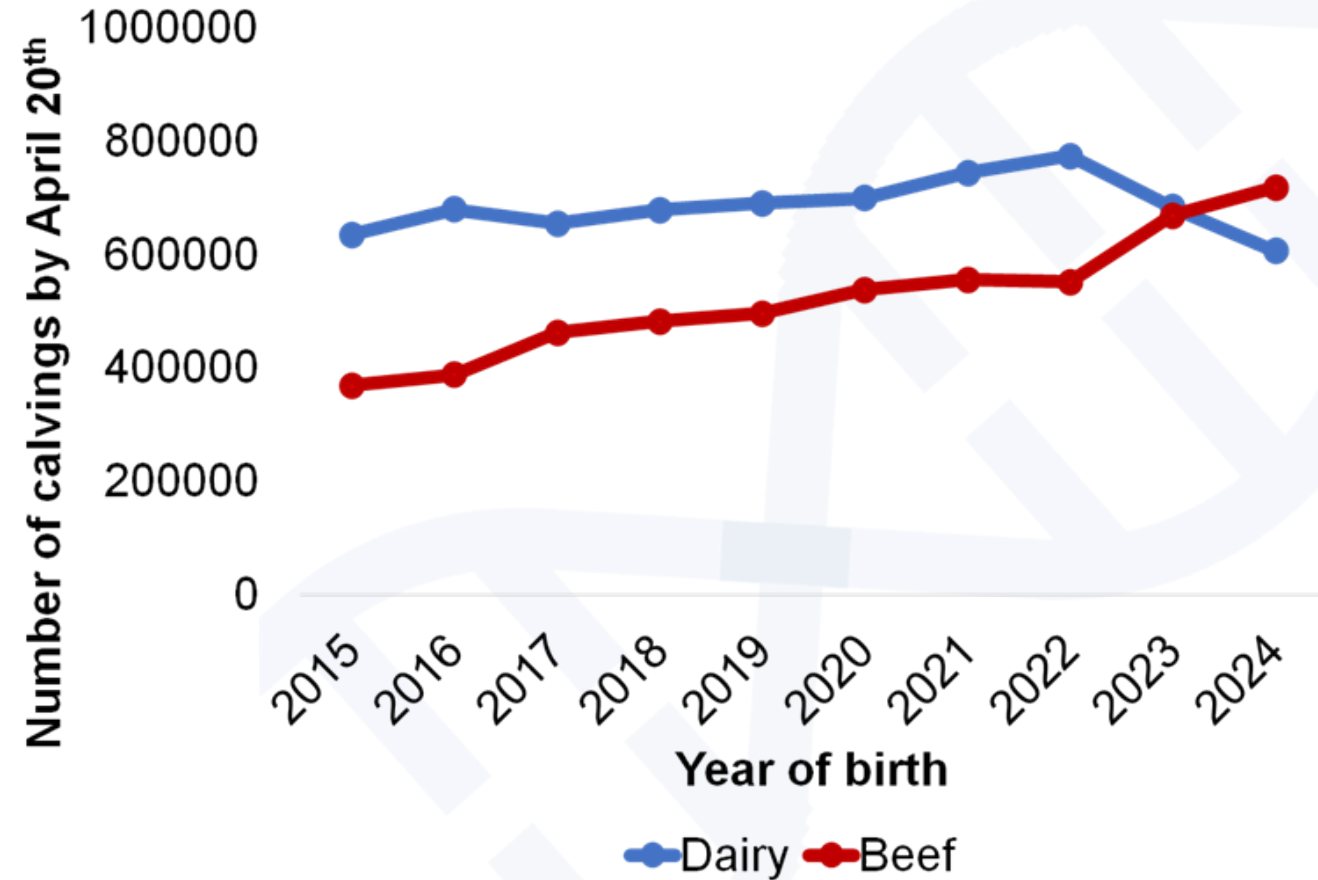


AgTech - it's in our DNA

**Who will  
leave more  
profit??**



# New trends emerging

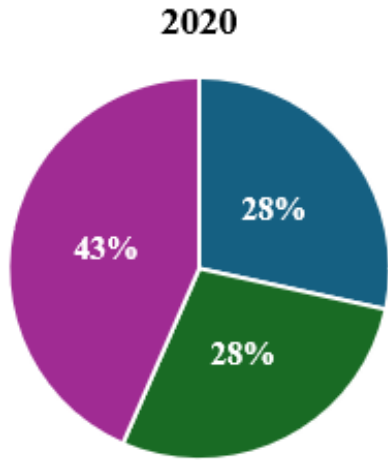


1. Dairy-beef increasing
2. Timing of beef use earlier
3. More precision in mating decisions





# Calf crop trends

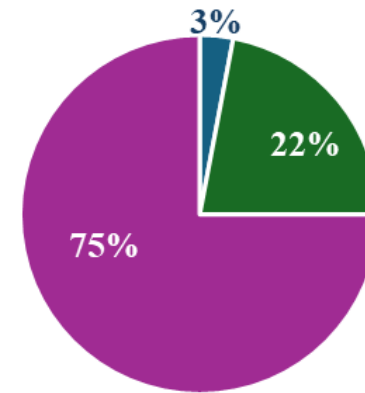


■ Dairy males ■ Dairy females ■ Beef from dairy

- Dairy males displaced by dairy-beef
- Sexed semen adoption increasing
- Projections: approximately 75% of calf crop from dairy will be dairy-beef



2030??



1. Who will rear them?

2. Are they good quality and how does the farmer know??

# Tools to improve profitability



Genetic merit indices for  
**breeding**



Decision support tools for  
**management**

# Genetic merit indices



Breeding  
indices



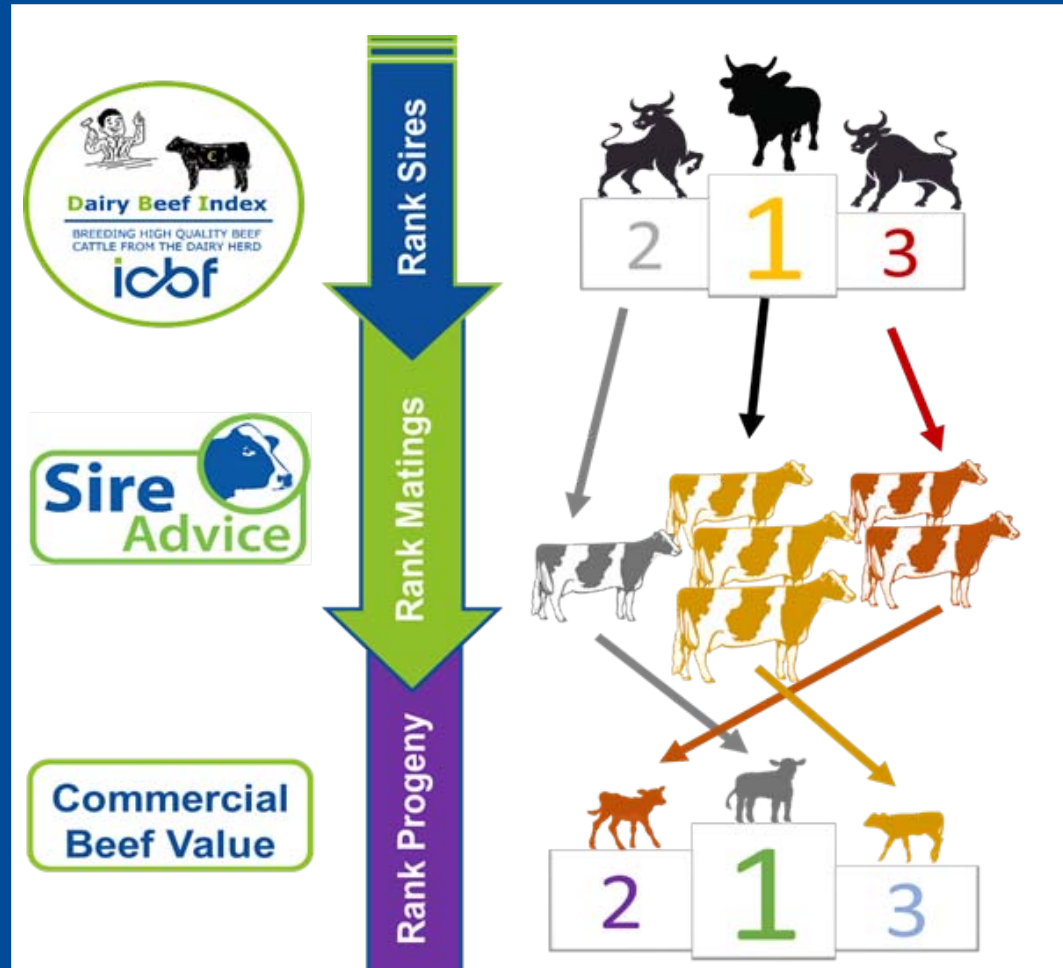
- **Purpose:** To breed dairy replacements
- **Using:** Dairy sires

**EBI**



# Decision support tools

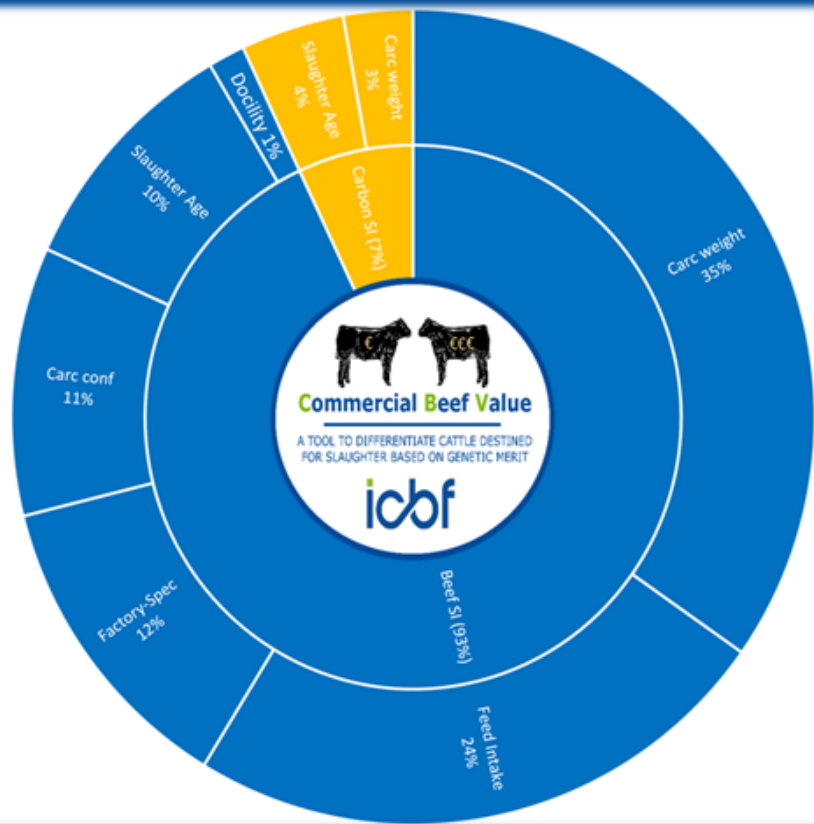
## Management tools



**Ross Evans**  
**22<sup>nd</sup> May**

The evolving  
landscape of  
beef from the  
dairy herd: A  
perspective  
from Ireland

# CBV: Commercial Beef Value



Tool for beef farmers to give a better insight into non-breeding animals profit potential

## TRAITS



Carc



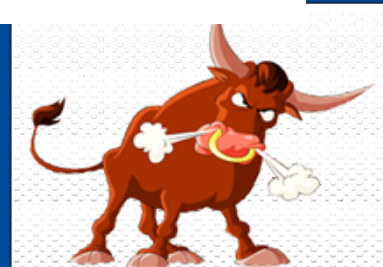
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F



Age at finish



Dociity



# Commercial Beef Value (CBV)

## Star Ratings & Breed Types


icbf	CBV Star-rating Percentiles*				
	★★	★★★	Average	★★★★	★★★★★
Across Breed	€23	€89	€134	€192	€261
Suckler	€199	€237	€251	€265	€293
Dairy x Beef	€52	€72	€82	€93	€125
Dairy X Dairy	-€19	-€4	€2	€8	€21

*\* Based on the Sep 2023 evaluation*

- 3 x breed types
- More informative for farmers

# Commercial Beef Value (CBV)

## Breed Percentiles

	2023 Born Dairy x Beef Calves <i>(dairy dams mated to beef sires)</i>				
	★★	★★★	Average	★★★★	★★★★★
Angus	€53	€66	€72	€79	€98
Aubrac	€112	€126	€132	€139	€160
Blue	€122	€150	€160	€169	€187
Charolais	€139	€159	€167	€177	€200
Friesian	-€11	€2	€7	€12	€25
Hereford	€40	€54	€61	€69	€90
Limousin	€137	€152	€159	€168	€192
Simmental	€70	€87	€97	€108	€132

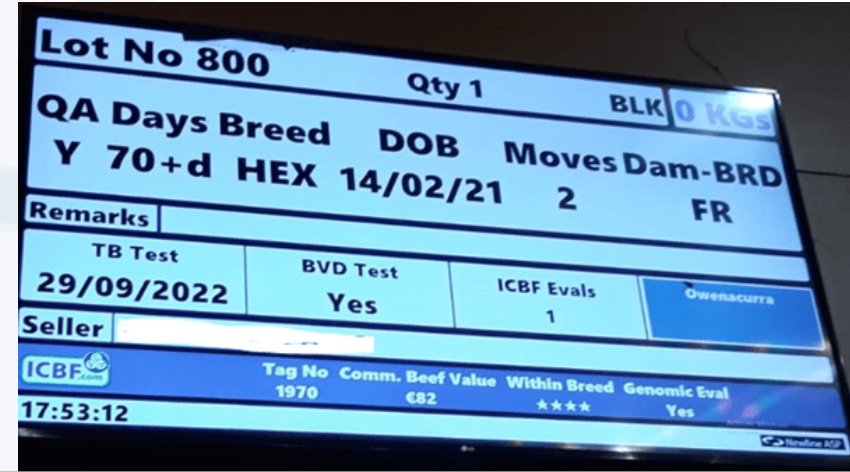
**Advice to farmers: Use this table as a guide when buying calves based on CBV**

# Where to find CBV?

Auction houses

Mark Waters

Session 9: Unlocking Genetic Potential: The National Genotyping Programme for Ireland's Cattle Herd



Commercial Beef Value

[www.icbf.com](http://www.icbf.com) -> Herdplus members

Showing 1 to 63 of 63 entries Hide filters

Animal Details										Commercial Beef Value					
Jumbo	Animal Number	Breed	Birth Date	Sex	Dam	Sire	Genomic Eval	Geno Sire Verified	Non-Geno Sire Pass	Breed Type	Value €	Star Ranking (Across Breed)	Star Ranking (Within Breed Type)	Carcass Weight (kg)	Carcass Conformation (1-15 scale)
4931	3722	AA (63%), HO (31%)	11-APR-24	M	372	AA4603	N	N	Y	Dairy x Beef	132	★★★★☆	★★★★☆	5.8	0.14
4934	3722	AA (50%), HO (44%)	16-APR-24	M	IE	AA2163	N	N	Y	Dairy x Beef	109	★★★★☆	★★★★☆	-1.1	-0.08
4938	3722	AA (50%), HO (31%)	19-APR-24	M	IE	AA2163	N	N	Y	Dairy x Beef	96	★★★★☆	★★★★☆	0.0	0.13

# Validation: Phenotypic analysis

## A: Dairy steers finished in 2023

CBV Rank	Calf Price	Finishing Price	Finishing Age
Top 10%	€99	€1,538	817

## B: AA X FR steers finished in 2023

CBV Rank	Calf Price	Finishing Price	Finishing Age
Top 10%	€249	€1,763	778

Btm 10%	€56	€1,263	833
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Btm 10%	€191	€1,490	831
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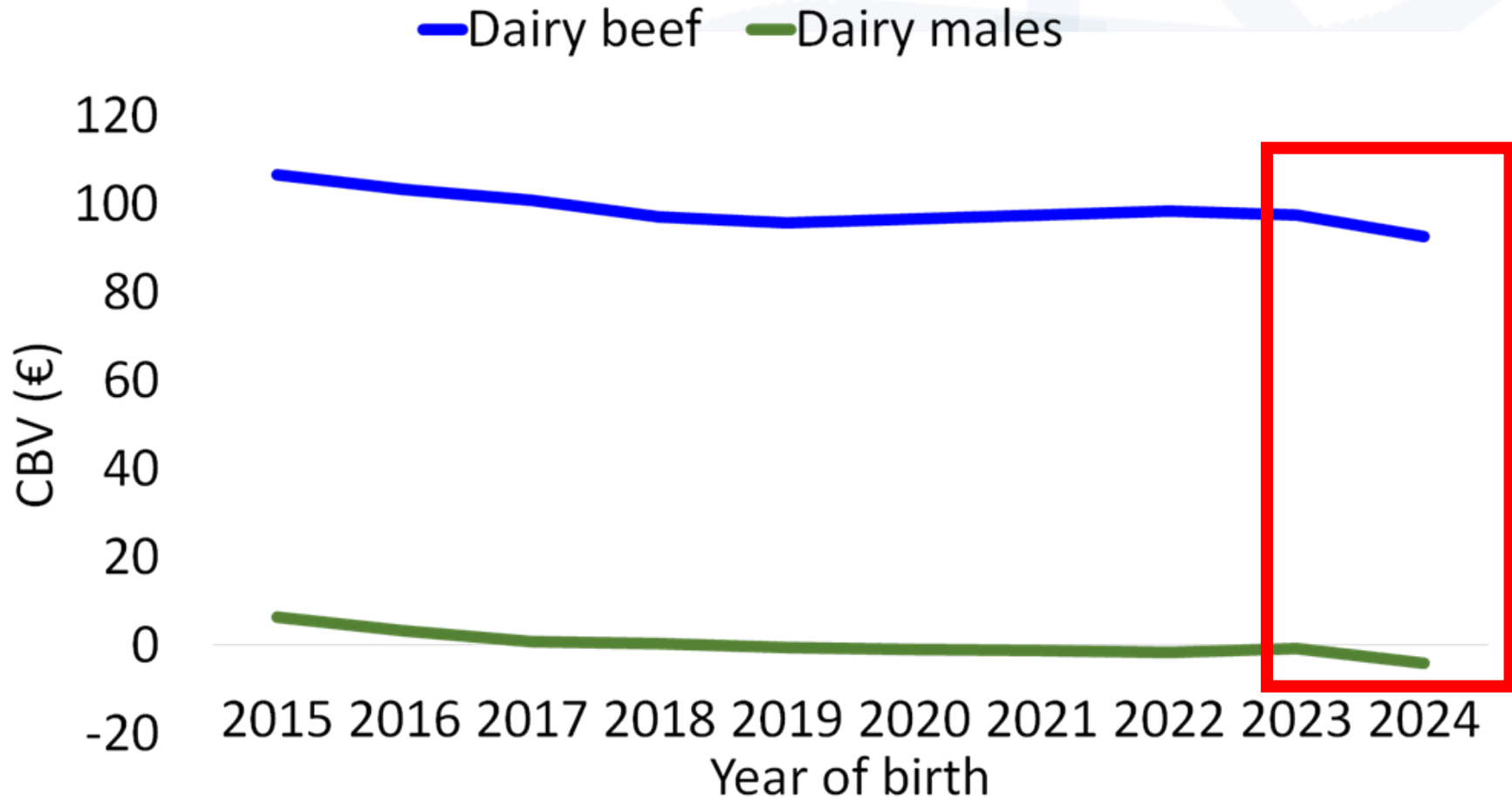


# Validation: Teagasc Research Trial

<b>Animal group</b>	<b>CBV</b>
<b>HF</b>	<b>-€1</b>
<b>High AA</b> (high beef sub index AA €107)	<b>€95</b>
<b>Low AA</b> (low beef sub index AA €65)	<b>€61</b>

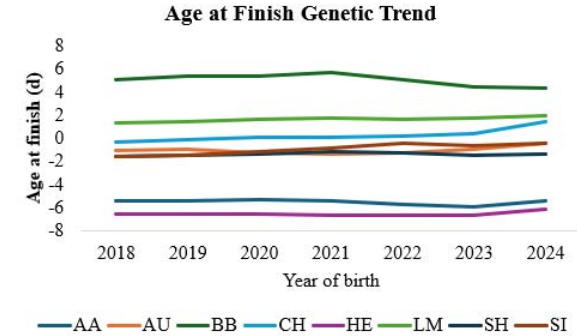
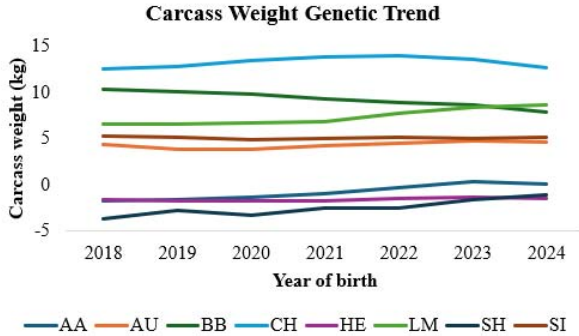
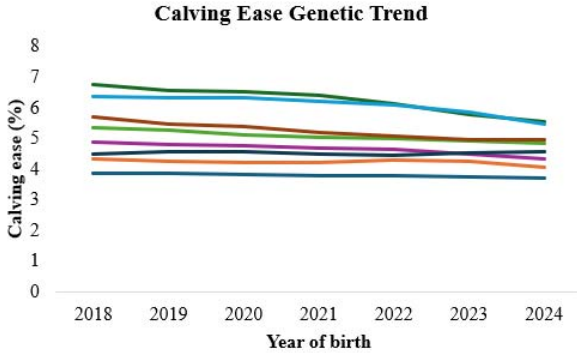
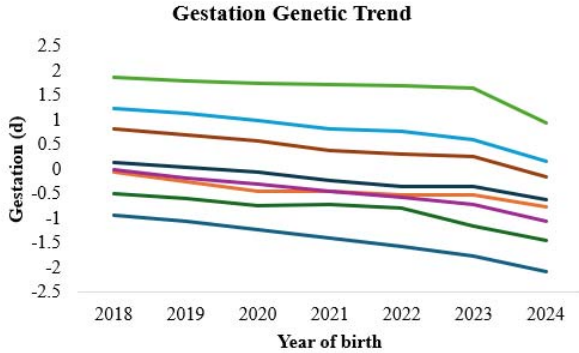
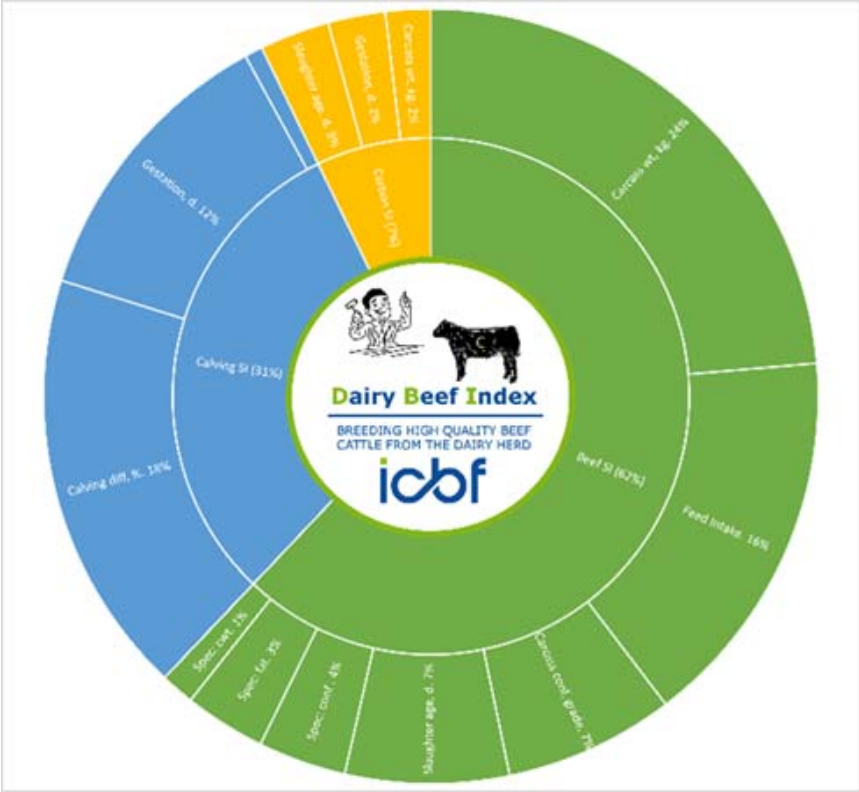
Source: Nicky Byrne, Teagasc Grange

# Job done??



# Dairy farmers selection decisions

## Calving related traits improving



## Beef related traits stagnant or declining

# Minimum Beef Bull Requirements to achieve High CBV progeny

Siobhan Ring, ICBF

## Required:

- Dairy Herd EBI Scorecard: Beef SI
- Beef SI of Beef Bull's DBI

Herd Number: D3250947 (Eval Nov 2022)	Your Herd	National Average	National Top 10%	Your National Rank	Star Rating <sup>1</sup>
<b>Herd EBI</b>	€202	€159	€194	95%	*****
<b>Milk Sub-Index</b> (Milk, Fat & Protein)	€ 60	€44	€60	91%	*****
<b>Fertility Sub-Index</b> (Calving Interval & Survival)	€ 97	€66	€82	97%	*****
<b>Carbon Sub-Index</b>	€ 2	€7	€14	20%	*
<b>Calving Sub-Index</b> (Gestation, Calving Difficulty, Mortality)	€ 32	€28	€37	77%	****
<b>Beef Sub-Index</b> (Carcass Weight, Conformation & Fat)	€ -4	€-2	€4	39%	**
<b>Maintenance Sub-Index</b> (Cow Liveweight)	€ 7	€13	€20	7%	*
<b>Management Sub-Index</b> (Milking speed & Temperament)	€ 2	€1	€3	79%	****
<b>Health Sub-Index</b> (SCC, Mastitis, & Lameness)	€ 4	€6	€9	30%	**

<sup>1</sup> Star Rating: \* = 1 - 20% \*\* = 21 - 40% \*\*\* = 41 - 60% \*\*\*\* = 61 - 80% \*\*\*\*\* = 81 - 100%

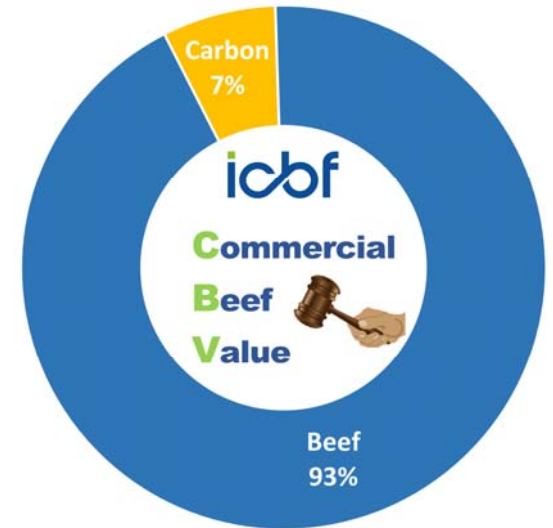
**Table.** Min required DBI Beef SI of (AA/HE) beef bulls to achieve a 4\* or 5\* CBV dairy-beef calf categorized by dairy herd ranking on EBI Beef SI

Herd Rank on Dairy Beef SI (EBI)	Herd Dairy Beef SI (EBI)	Beef Bull Beef SI (DBI) to achieve CBV of:			
		€80 [4*CBV]	€93 [4*CBV]	€123 [5*CBV]	€176 [5*CBV]
Average of 1* Herds	-€13	€86	€99	€129	€182
Average of 2* Herds	-€5	€78	€91	€121	€174
Average of 3* Herds	-€2	€75	€88	€118	€171
Average of 4* Herds	€0	€73	€86	€116	€169
Average of 5* Herds	+€4	16 €72	€82	€112	€165



# Summary

1. Who will rear them?
2. Are they good quality and how does the farmer know??



## Take home messages;

- CBV is a tool for beef farmers to leverage information when buying stock
- Potential to drive the needed change where breeders respond effectively to industry demands

# Our Farmer & Government Representation



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



# Our AI & Milk Recording Organisations



# Our Herdbooks



# Acknowledging Our Members





Thank you!

