



IRISH CATTLE BREEDING FEDERATION

Teagasc IST

18th Oct 2018



Chris Daly
ICBF

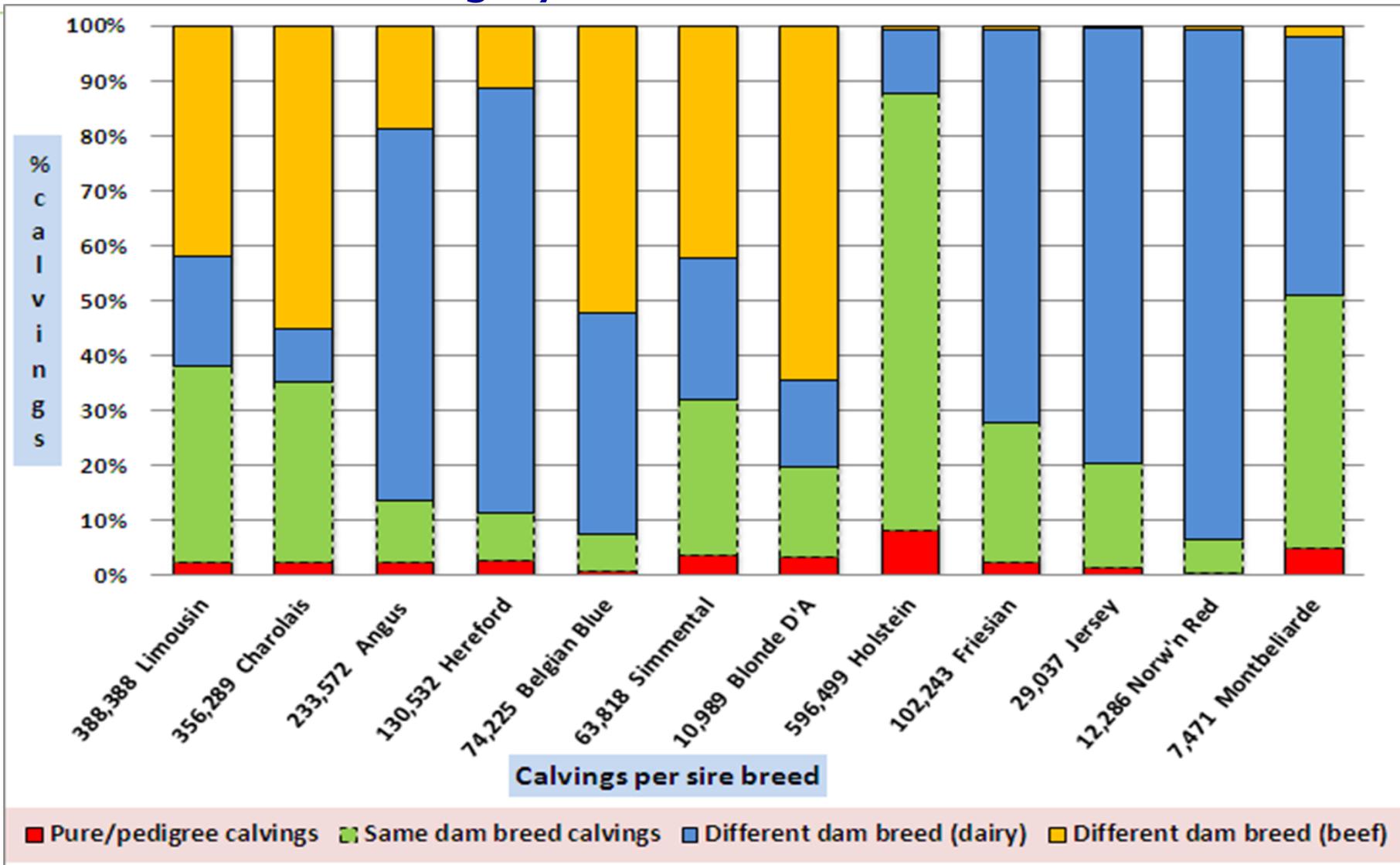


Agenda

1. New Dairy Beef Index
2. Euro-Star Index Updates
3. BDGP Update
4. Calving & Fertility Stats
5. Beef Environmental Efficiency Pilot Scheme
(BEEP)

Dairy Beef Index

Sire Breed x Category of dam breed for 2013 born calves



	Angus	B_blue	Charolais	Hereford	Limousine	Simmental
Beef	9%	5%	36%	3%	35%	5%
Dairy	13%	2%	3%	8%	6%	1%

Purpose of Dairy Beef Index

- Allow dairy farmers select the most profitable beef sires for use on dairy cows.
- One profit index vs interpreting individual traits
- Carcass traits vs calving traits => quality was compromised
- Will be available on all pedigree beef animals
- Not for breeding replacements for the suckler herd!!!

Traits Under Consideration

Calving Traits:

- Calving difficulty, based on dairy heifers and cows
- Gestation
- Calf mortality

- Polledness
- Feed intake
- Docility

Carcass Traits:

- Carcass weight
- Conformation
- Mortality
- Meat Eating Quality premiums

} Ability to meet carcass specifications being considered

Plan from Here

- Test calving proofs created, BDGP recorded birth size used as a predictor trait
- Decision on what to publish (single or multiple calving ptas?)
- Compilation of Overall dairy beef index
- ICBF Technical Advisory Group next week
- Aim: Dairy Beef Index available for 2019 breeding season

Euro-Star Indexes

- Current indexes published 10th Oct.

Replacement Index Breed Percentiles (Oct 2018)

	20%	40%	60%	80%
	★★	★★★★	★★★★★	★★★★★★
All Breeds (Across Breed)	€46	€65	€82	€101
Angus	€69	€85	€98	€113
Aubrac	€115	€132	€146	€162
Blonde d'Aquitaine	€32	€49	€63	€78
Belgian Blue	-€17	€10	€32	€53
Charolais	€17	€38	€57	€78
Dexter	€50	€62	€73	€85
Hereford	€30	€45	€58	€75
Irish Maol	€36	€50	€59	€72
Kerry	€37	€47	€54	€63
Limousin	€59	€76	€92	€110
Other Minor Breeds	€38	€56	€73	€93
Piedmontese	€88	€105	€120	€135
Parthenaise	€78	€96	€110	€125
Salers	€127	€142	€156	€173
Shorthorn	€97	€109	€120	€132
Simmental	€92	€109	€124	€140
	★★	★★★★	★★★★★	★★★★★★
	20%	40%	60%	80%

Euro-Star Indexes

Terminal Index Breed Percentiles (Oct 2018)

	20%	40%	60%	80%
	★★	★★★★	★★★★★	★★★★★★
All Breeds (Across Breed)	€50	€78	€110	€128
Angus	€50	€58	€65	€75
Aubrac	€100	€112	€122	€134
Blonde d'Aquitaine	€116	€126	€133	€140
Belgian Blue	€127	€140	€151	€162
Charolais	€108	€119	€129	€140
Dexter	-€47	-€30	-€17	-€1
Hereford	€29	€37	€44	€54
Irish Maol	-€32	-€22	-€12	€1
Kerry	-€87	-€73	-€60	-€43
Limousin	€108	€117	€126	€137
Other Minor Breeds	-€3	€14	€29	€47
Piedmontese	€116	€128	€138	€150
Parthenaise	€116	€127	€137	€148
Salers	€78	€88	€95	€105
Shorthorn	€6	€17	€26	€38
Simmental	€49	€66	€77	€88
	★★	★★★★	★★★★★	★★★★★★
	20%	40%	60%	80%

Euro-Star Indexes

- Next Evaluation will be published on 14th Dec.
- Deadline for samples (tissue tags/hair cards) is 24th Oct.
- Particularly important for pedigree breeders selling bulls.
- Deadline for data (weights, carcass data, etc.) mid-Nov.

BDGP Update

- 10th Oct was final evaluation before deadline (31st Oct).
- 754 herds not meeting 20% requirement.
- 240 with no suckler cows.
- Remaining 514 herds require ~2.3 females per herd.
- 3% herds non-compliant.
- Letters and reports received in post yesterday.
- Will also receive a follow up phone call.
- Only option now is to purchase eligible females.

BDGP Update

Purchasing Eligible Females

Any purchased females must:

1. Have a genomic evaluation.
2. Be 4 or 5-stars at the time of purchase
3. Be born between 1st Jan 2013 and 30th Jun 2017

Farmers have two options when purchasing:

1. Mart
2. Purchase privately

Purchasing Eligible Females

Mart Boards

Lot No 224		Qty 1	COW	705 KGs
QA Days Breed	LM	DOB	Moves	3
Y				
Remarks				
TB Test	BVD Test	GNC		ICBF Evals
16/03/2018	No			1
Seller				
ICBF.com	Tag No	Replacement Index	Within Breed	Across Breed
	0192	€140	★★★★★	★★★★★
				Genomic Eval
				Yes
17:41:32				

Animal is 4 or 5-stars

Animal has a genomic evaluation

Purchasing Eligible Females

Mart App



3 3G 17:09 85%

Marts Carnew

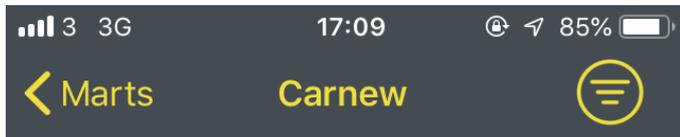
Catalogue Current Lot Sold

Q Lot

Lot	Breed	Sex	Qty	Age
1	AAX	M	2	6
2	AAX	M	2	5
3	AAX	F	1	6
32	BBX	M	1	10
33	BBX	M	1	9
34	SIX	M	1	10
35	SIX	M	1	8
36	SIX	M	1	10
37	SIX	M	1	10
38	SIX	M	1	10
39	SIX	M	3	7

Purchasing Eligible Females

Mart App



FILTER RESULTS



FEMALE

MALE



1

AA

AAX

AUX

E

HEX

LIMOU

LM

LMX

F



AGE

CLEAR ALL

APPLY FILTERS



FROM

MIN

TO

MAX

MONTHS



QUANTITY

1

2

3

4

5+



ICBF

ONLY SHOW ICBF



BBQA

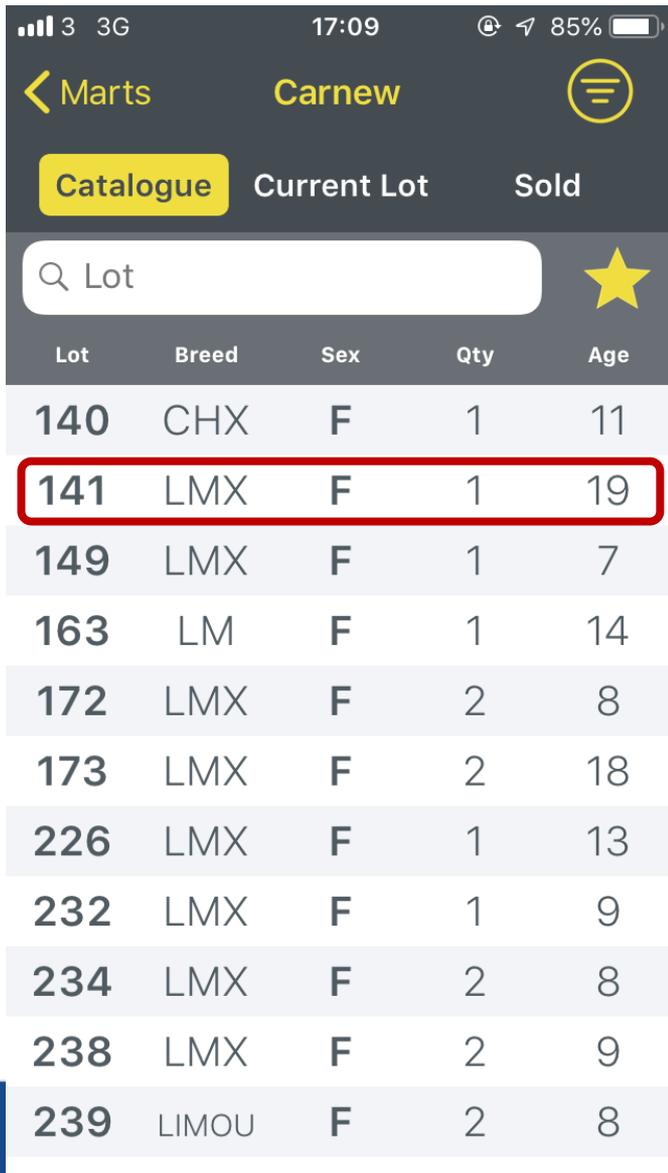
ONLY SHOW BBQA

CLEAR ALL

APPLY FILTERS

Purchasing Eligible Females

Mart App



3 3G 17:09 85%

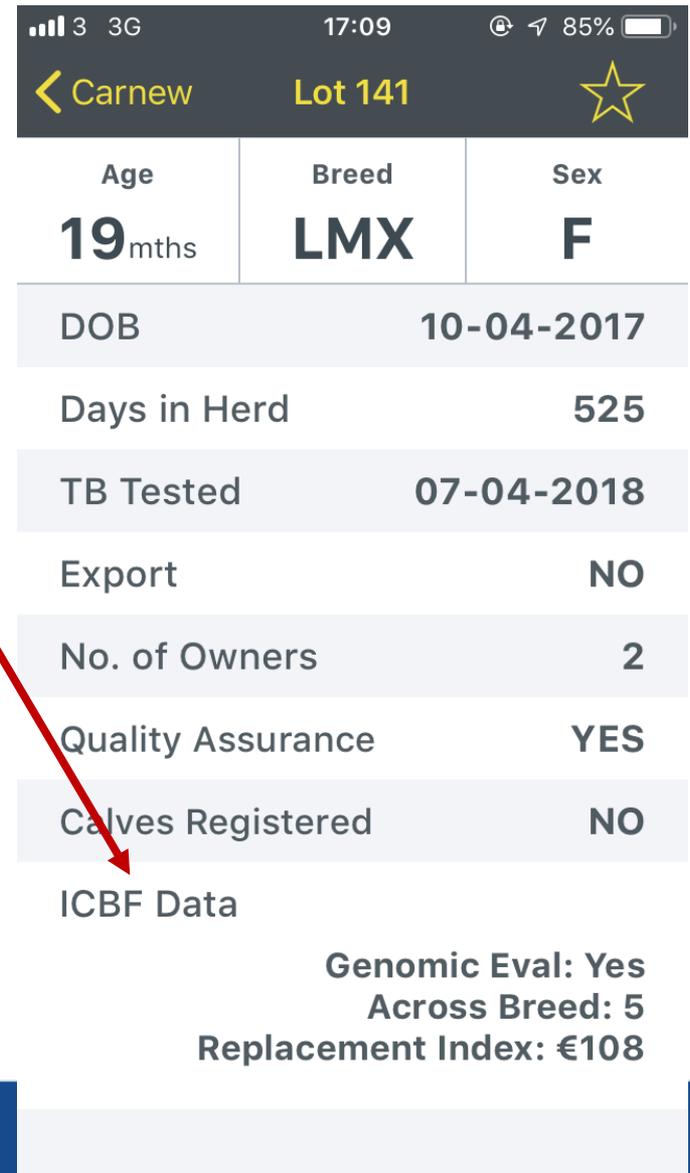
< Marts Carnew

Catalogue Current Lot Sold

Q Lot

Lot	Breed	Sex	Qty	Age
140	CHX	F	1	11
141	LMX	F	1	19
149	LMX	F	1	7
163	LM	F	1	14
172	LMX	F	2	8
173	LMX	F	2	18
226	LMX	F	1	13
232	LMX	F	1	9
234	LMX	F	2	8
238	LMX	F	2	9
239	LIMOU	F	2	8

Tap the animal



3 3G 17:09 85%

< Carnew Lot 141

Age	Breed	Sex
19 ^{mths}	LMX	F

DOB 10-04-2017

Days in Herd 525

TB Tested 07-04-2018

Export NO

No. of Owners 2

Quality Assurance YES

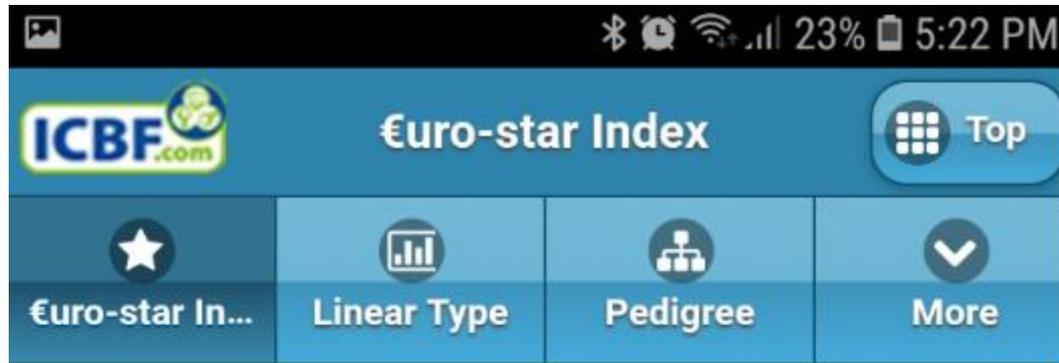
Calves Registered NO

ICBF Data

Genomic Eval: Yes
Across Breed: 5
Replacement Index: €108

Purchasing Eligible Females

Private Purchases: ICBF App



Note: Genotype included in evaluation.

Animal has a 
genomic evaluation

Animal is 4 or
5-stars

Rating within COMMERCIAL)	Economic Indexes	€uro value per progeny	Index reliability	Star Rating (across all beef breeds)
	Replacement	€160	46% (Average)	

Calving Statistics

Updated herd criteria

Criteria for herd to be included in national stats		
Calving Interval	Old	≥ 5 cows calved
	New	≥ 10 cows calved with a calving interval (second calvers +)
Calves/Cow/Yr	Old	≥ 5 cows calved
	New	≥ 10 cows calved
% Heifers Calved 22-26 Mts	Old	≥ 5 cows calved and at least 1 heifer calved
	New	≥ 3 heifers calved

Year	Criteria*	Calving Interval (days)	Calves/Cow/Yr	Heifers Calved 22-26 Mts (%)	Age 1st Calving (mts)
2014	Old	412	0.79	17	31.7
	New	406	0.8	17	31.4
2015	Old	407	0.83	18	31.6
	New	400	0.84	18	31.5
2016	Old	399	0.83	20	31.2
	New	392	0.85	20	31.1
2017	Old	400	0.85	24	30.6
	New	394	0.87	25	30.3
2018	Old	403	0.84	22	30.8
	New	396	0.85	23	30.6

Calving Statistics

5 year trends

Fertility & Calving Performance - All Suckler Herds (2014-2018)						
	2014	2015	2016	2017	2018	Difference
Calving Interval (days)	406	400	392	394	396	-10
Calves/cow/yr	0.8	0.84	0.85	0.87	0.85	+0.05
Age 1st Calving (months)	31.4	31.5	31.1	30.3	30.6	-0.8
% heifers calved 22-26 months	17	18	20	25	23	+6

Fertility & Calving Performance - BDGP herds (2014-2018)						
	2014	2015	2016	2017	2018	Difference
Calving Interval (days)	404	396	388	390	393	-11
Calves/cow/yr	0.81	0.85	0.86	0.88	0.86	+0.05
Age 1st Calving (months)	31.1	31	30.5	29.8	30.1	-1
% heifers calved 22-26 months	17	19	22	27	25	+8

Fertility Analysis

Herd Performance by Star Rating

- Analysis of herds with:
 - ≥ 10 cows
 - where $\geq 50\%$ of cows have a Replacement Index.
- 25k herds with an average of 27 cows (685k cows)
- High index herds were best on 3 key fertility traits.

Rep Index Stars	Num Herds	Avg Herd Rep Index (€)	Calving Interval	Calves/Cow/Yr	% Heifers Calved 22-26 Mts
5	7062	98	390	0.89	28
4	6988	83	394	0.86	22
3	5424	74	398	0.85	20
2	3192	65	400	0.84	19
1	2039	50	406	0.82	15
Difference		48	-16	0.07	13

Beef Environmental Efficiency Pilot (BEEP)

- Capturing weights on cows and calves
- Budget for 500k cows and calves (€40 per cow/calf)
- One weight required on each
- Age range of calf to be defined (~200 days is optimum)
- Not collecting birth weights
- Cows will not be heavily in calf!!
- Farmers can use own scales or hire
- Finer details to be finalised

Beef Environmental Efficiency Pilot (BEEP)

Why weigh animals – especially suckler cows?!

Euro-Star Replacement Index		
Trait	Trait Emphasis	Trait Type
Maternal Calving Difficulty	6%	Cow Traits 71%
Age 1st Calving	6%	
Calving Interval	9%	
Survival	8%	
Milk	18%	
Cow Liveweight	14%	
Cow Docility	4%	
Cull Cow Weight	7%	
Calving Difficulty	7%	Calf Traits 29%
Gestation	2%	
Mortality	1%	
Docility	1%	
Feed Intake	4%	
Carcass Weight	10%	
Carcass Conformation	3%	
Carcass Fat	1%	

Beef Environmental Efficiency Pilot (BEEP)

Reaction

HOME » AGRICULTURE » BUDGET 2019: €20 MILLION 'BEEF ENVIRONMENTAL EFFICIENCY PILOT' ON THE WAY

Budget 2019: €20 million 'Beef Environmental Efficiency Pilot' on the way

Claire Mc Cormack | Oct 8, 2018, 10:52pm

43 Shares



A €20 million beef support package – entitled the Beef Environmental Efficiency Pilot – is expected to be announced tomorrow (October 9) as part of Budget 2019, *AgriLand* understands.

As an industry, the beef industry has been poor at recording weights with just 8,000 calf weights being weighed on-farm in 2017 and just 11,000 cow weights inputted, both of which are key drivers of efficiency and, in turn, profitability at farm level. That accounts for around 1% of calves.

Farmers have grappled with low reliability levels and indexes changing year to year. While indexes will still change, getting more weights into the system should mean higher reliability behind figures and less fluctuation.



Our Farmer & Government Representation



Our AI & Milk Recording Organisations



Our Herdbooks



Acknowledging Our Members