



IRISH CATTLE BREEDING FEDERATION

The Beef Euro-Stars; Past, present & future.



Andrew Cromie, ICBF.

ICBF & Sheep Ireland
Genetics Conference 2018

Wednesday & Thursday
5th & 6th December
Hodson Bay Hotel,
Athlone



'Sustainable Farming –
Progress through Genetics'



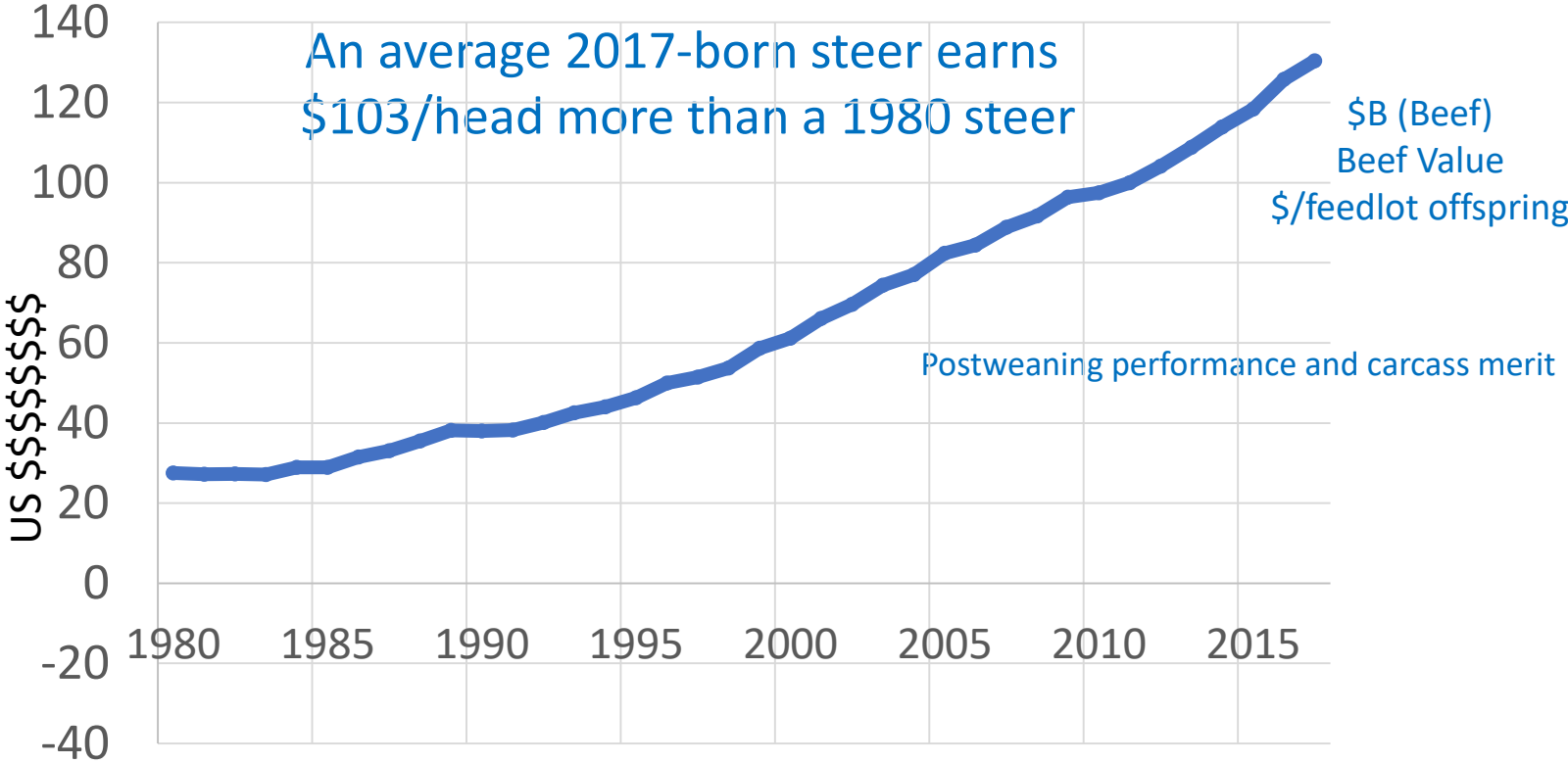
Department of
**Agriculture,
Food and the Marine**

An Roinn
**Talmhaíochta,
Bia agus Mara**

Overview of Talk.

- Some key messages from yesterday.
- Development of Euro-Stars.
- Genetic Trends in Irish Suckler Beef Herd.
- Euro-Star Replacement Index – 2019+
- Validation of Euro-Stars.

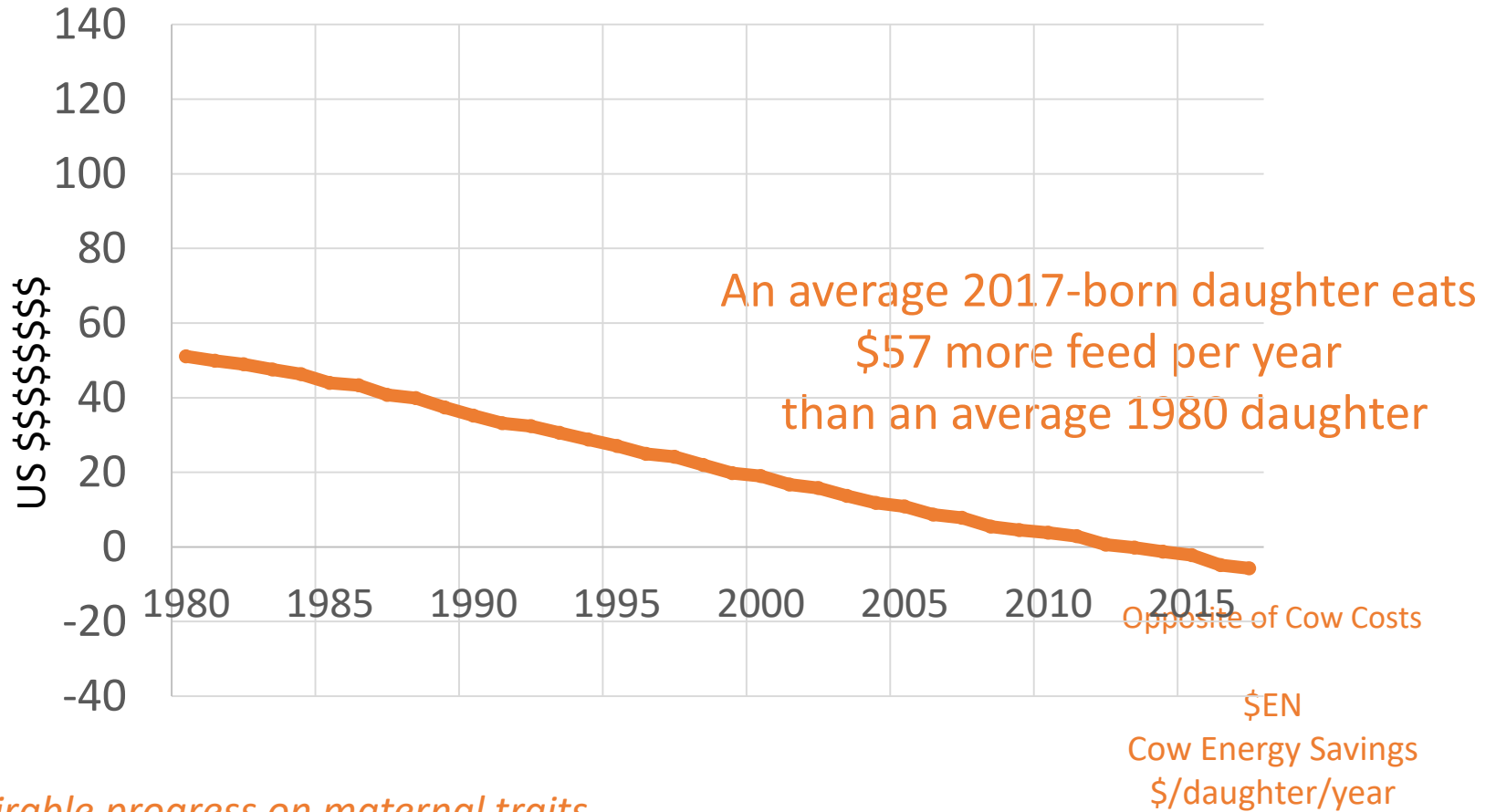
American Angus Association Genetic Trends



June 2018

Admirable progress on terminal traits

American Angus Association Genetic Trends



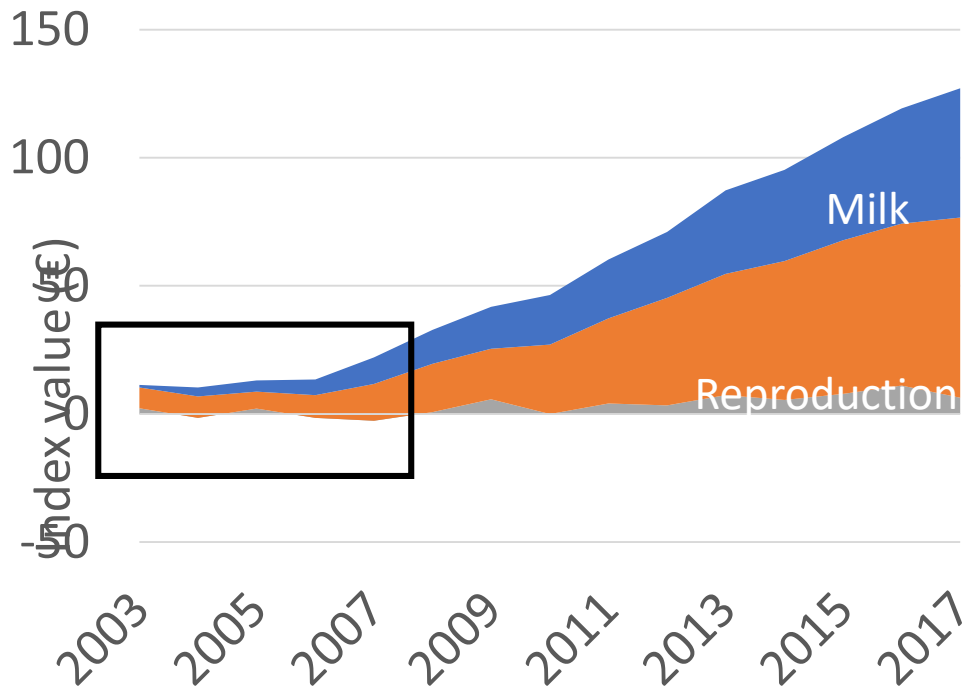
June 2018

Undesirable progress on maternal traits

American Angus Trends for cow-calf system

- An average 2017 daughter eats \$57 more feed per year than an average 1980 daughter
 - Heavier liveweight
 - Higher milk production
 - Higher maintenance requirements
 - All of these costs are carried by the cow-calf operator
- An average 2017 feedlot offspring earns \$103 more at slaughter due to improved postweaning performance and carcass characteristics
 - But cows don't produce feedlot offspring every year!
 - At least some of this benefit is captured by the feedlotter
- Collectively, for the cow-calf operator this is genetic change not improvement

Dairy – EBI



- Dairy production benefits worth **€1.5b**
- Value driven by fertility, then milk.
- Other traits (calving, health) modest

€83 per dairy cow per year

ICBF Conference: dairy fertility not sorted yet – sheep health improving

There is still plenty of work still to be done on improving genetics in Irish dairy herds and sheep flocks, write Jack Kennedy and Darren Carty.



RELATED STORIES

[Barry Cassidy](#) on 05 Dec 2018

Macra launches consultation on issues facing rural young people

[Thomas Hubert](#) on 05 Dec 2018

Greenhouse gas emissions from agriculture increased in 2017

[Thomas Hubert](#) on 05 Dec 2018

Small drop in November PPI

Over 250 people gathered to hear the latest research at the ICBF Genetics Conference in Athlone 2018

Development of Euro-Stars.

- 2004 – Individual traits.
- 2006 – Economic sub indexes.
- 2008 – Overall Economic Index (Suckler Beef Value).
- 2012 – Split overall index => Replacement index & Terminal index.
- 2014 – Update economic values for Replacement and Terminal indexes.

Development of Euro-Stars.

	2004 -No Index	2008 - SBV	2012 - Rep Index Old	2015 - Rep Index Now	2019+
Calving		7%	15%	16%	?
Feed Intake		18%	24%	18%	?
Carcass weight for age.	100%	48%	26%	21%	?
Milk		7%	13%	18%	?
Fertility		20%	18%	23%	?
Docility			4%	4%	?

Bull Details				Progeny Test (EPD)					Tully	On-Farm BLUP			Calving Survey		Sen
Code	BULL NAME	AI station	Breed	Rel	Growth Kgs	Conf Score	Fat Score	% Kill Out	FCE	Rel	Muscle	Skeleta;	% CD	GL Days	Price
BJP	BOHEY JASPER	PG/NW	AA	0.57	9.2	0.74	0.48	1.98	.	.	.	.	3.5	279	€ 8
DVE	DRUMDEEVIN DANCER	PG/NW	AA	0.66	8.5	0.68	0.39	0.94	.	.	.	.	1.7	280	€ 8
KJE	KBJ JETTA 64 D	PG/NW	AA	0.58	19.2	0.69	0.36	1.50	.	.	.	.	6.3	281	€ 8
LHL	LAHEENS LARRY	DOVEA AI	AA	0.67	1.0	0.50	0.34	0.89	.	.	.	.	1.3	281	€ 8
LJP	LAVALLY JACKPOT	PG/NW	AA	0.50	13.1	0.62	0.50	1.38	92	.	.	.	2.6	279	€ 6
MTL	MINIT OF LISS	PG/NW	AA	0.50	7.9	0.79	0.55	1.48	134	.	.	.	1.0	279	€ 8
PBO	PROUD BOY OF DUNLEVER	PG/NW	AA	0.59	-0.3	0.57	0.29	1.72	.	.	.	.	1.6	280	€ 8
RHG	RAINBOW HILLS GOVERNOR 128X	PG/NW	AA	0.55	12.6	0.61	0.36	1.69	.	.	.	.	8.8	281	€ 10
RHD	RAINBOW HILLS INDEPENDENCE 117	PG/NW	AA	0.65	14.7	0.89	0.46	2.33	.	.	.	.	3.3	281	€ 10

ICBF Active Beef Bull List 2004.

• Proofs from;

- Central progeny test (commercial data)
- Tully central performance test (pedigree data)
- On-farm BLUP (pedigree data)
- AI Calving survey (commercial data)

• Systems not connected & not comparable.

• No €-value?

• Which bull is best?

RUH	ROOSE ULAH														€ 8
AVT	AVIATEUR DU														€ 8
JOK	JOKER DU PO														€ 8
BIG	BUTINEUR DU														€ 8
NEZ	NOTEZ LE ET														€ 8
FPS	FRIPON DE SC														€ 8
GUY	GENERAL DU														€ 10
NRO	NERO														€ 8
TIY	TINTIN DE MY														€ 10
VDC	VICTORIEUX D														€ 12
BSK	BARRACKS DU														€ 8
CF44	DOONALLY CF														€ 8
CF43	DOONALLY DC														€ 8
CF49	DOONALLY FA														€ 8
CF46	DOONALLY FA														€ 8
CF47	DOONALLY FE														€ 8
CF48	DOONALLY FL														€ 8
CF41	ENFIELD CLOV														€ 8
HKI	HARA KIRI														€ 12
HWN	HOLLOWTREE														€ 8
KFC	KNOCKKANE FL														€ 8
MDO	MOGADOR														€ 8
BWT	BAWINGARRIF														€ 8
CJO	CLASHAGAD J														€ 8
CKT	CLONAKENNY														€ 8
CFB	CLOONFREE E														€ 8
GDS	GOLDENFIELD														€ 8
RCE	RATHCOR EXP														€ 8
SBD	SHINAGH BAN														€ 7
BHH	BARNHILL HAM														€ 8
BHO	BREEMOUNT I														€ 8
BHY	BARNHILL HAF														€ 8
FL17	BOLIDE														€ 7
CIO	CORBALLY IDK														€ 8
DGA	DERG ALAN	PG/NW	LM	0.89	20.1	1.08	-0.07	3.57	.	0.88	97	85	3.1	287	€ 8
DAD	DUHALLOW AIDEN	MUNSTER AI	LM	0.83	28.2	1.07	-0.24	3.58	129	0.68	121	97	4.0	285	€ 7
DWB	DUHALLOW BRENDAN	MUNSTER AI	LM	0.88	30.5	0.94	-0.19	2.59	129	0.68	104	80	4.3	285	€ 7
KHH	KNOCKNAGREE HAWTHORN	MUNSTER AI	LM	0.58	11.8	0.85	-0.08	3.10	108	0.88	108	101	3.5	285	€ 7
PYR	POULNASHERRY CRUSADER	MUNSTER AI	LM	0.80	32.6	1.16	0.03	3.64	119	0.90	108	95	0.6	286	€ 7
BKY	BALLAGAN KELLY	MUNSTER AI	ST	0.81	36.3	0.79	0.21	1.76	107	0.75	83	78	5.0	284	€ 7
DFI	DOLFI (ET)	DOVEA AI	ST	0.84	23.5	0.81	0.08	1.07	.				1.1	284	€ 10
DBO	DRUMNEIL BOLERO	PG/NW	ST	0.86	21.7	0.66	-0.05	1.60	.	0.62	75	109	3.4	283	€ 8
FBX	FREIGHDUFF BRENDAN	PG/NW	ST	0.50	29.5	0.83	0.11	1.53	126	0.91	125	86	4.0	284	€ 12

ICBF ACTIVE BULL LIST - BEEF AI SIRES - SPRING 2008

Bull Details		Suckler Beef Value				Beef Value								Replacement Value								Additional key traits				Supplier Details							
						Calving				Weaning export				Beef Carcass				Milk & Fertility				Calf Quality							Calving Diff %				
Code	Name	Brd	€-val	Rel %	Within breed	Across breed	€-val	Rel %	Within breed	Across breed	€-val	Rel %	Within breed	Across breed	€-val	Rel %	Within breed	Across breed	€-val	Rel %	Within breed	Across breed	€-val	Rel %	Within breed	Across breed	PD	Rel %	Within breed	Across breed	Owner	Price	Avail
MOD	MANCINI OF DRUMLISTER	AA	€91	58	****	****	€1	45	*	****	€50	70	****	***	€38	76	****	**	€138	11	****	****	€119	71	****	***	5.5	89	*	***	EUROGEN	9	H
LWF	LAWSON'S FORD BAGATEL	AA	€75	92	****	****	€10	95	****	****	€8	85	**	*	€29	96	****	**	€102	42	****	****	€110	95	****	**	2.4	89	**	****	DOVEA GE	16	H
PTJ	PRIESTTOWN JUPITER	AA	€51	76	****	**	€0	75	*	****	€34	69	****	**	€13	85	****	**	€112	25	****	****	€52	82	****	**	3.9	88	*	****	NCBC	9	H
KJE	KBJ JETTA 64D	AA	€44	88	****	**	€10	90	****	****	€16	77	****	**	€13	93	****	**	€33	42	*	****	€78	91	****	**	2.6	87	*	****	NCBC	9	H
JSN	JESANA NAPOLEON	AA	€33	94	****	**	€15	97	****	****	-€15	91	*	*	€8	97	****	**	€17	51	*	****	€65	98	****	**	1.0	99	****	****	DOVEA GE	8	H
PBO	PROUD BOY OF DUNLEVEY	AA	€22	83	***	*	€16	80	****	****	€1	75	*	*	-€11	92	**	*	€49	45	**	****	€25	89	***	*	1.0	94	****	****	NCBC	8	H
PRZ	PERLOU	AA	€55	77	****	**	€6	76	****	****	€28	71	****	****	€24	87	****	**	€68	61	****	****	€81	88	****	**	5.2	88	*	****	NCBC	9	H
PTA	PARATI	AA	€55	77	****	**	€6	76	****	****	€28	71	****	****	€24	87	****	**	€68	61	****	****	€81	88	****	**	5.2	88	*	****	NCBC	9	H
RGL	RATHGARVAN LOUIS	AA	€55	77	****	**	€6	76	****	****	€28	71	****	****	€24	87	****	**	€68	61	****	****	€81	88	****	**	5.2	88	*	****	NCBC	8	M
APX	ARDCLONE PYXIS	AA	€55	77	****	**	€6	76	****	****	€28	71	****	****	€24	87	****	**	€68	61	****	****	€81	88	****	**	5.2	88	*	****	NCBC	10	H
TIY	TINTIN DE MY	AA	€55	77	****	**	€6	76	****	****	€28	71	****	****	€24	87	****	**	€68	61	****	****	€81	88	****	**	5.2	88	*	****	NCBC	10	H
BIV	BIENVENU DE JOLJEAN	AA	€55	77	****	**	€6	76	****	****	€28	71	****	****	€24	87	****	**	€68	61	****	****	€81	88	****	**	5.2	88	*	****	NCBC	10	H
VDC	VICTORIEUX D'AU CHEM	AA	€55	77	****	**	€6	76	****	****	€28	71	****	****	€24	87	****	**	€68	61	****	****	€81	88	****	**	5.2	88	*	****	NCBC	12	L
KTN	KILLANETIG NOBEL	AA	€55	77	****	**	€6	76	****	****	€28	71	****	****	€24	87	****	**	€68	61	****	****	€81	88	****	**	5.2	88	*	****	NCBC	9	H
USU	USUS 6018 DE JENEFEE	AA	€55	77	****	**	€6	76	****	****	€28	71	****	****	€24	87	****	**	€68	61	****	****	€81	88	****	**	5.2	88	*	****	NCBC	8	L
OVO	OBER VAN HET HUBKES	AA	€55	77	****	**	€6	76	****	****	€28	71	****	****	€24	87	****	**	€68	61	****	****	€81	88	****	**	5.2	88	*	****	NCBC	10	H
GUY	GENERAL DU GORTIL G	AA	€55	77	****	**	€6	76	****	****	€28	71	****	****	€24	87	****	**	€68	61	****	****	€81	88	****	**	5.2	88	*	****	NCBC	11	H
RYP	ROCKY DU PONT DE ME	AA	€55	77	****	**	€6	76	****	****	€28	71	****	****	€24	87	****	**	€68	61	****	****	€81	88	****	**	5.2	88	*	****	NCBC	12	H
ETB	ECLAT ET DE BOURGE	AA	€55	77	****	**	€6	76	****	****	€28	71	****	****	€24	87	****	**	€68	61	****	****	€81	88	****	**	5.2	88	*	****	NCBC	8	H
IVH	VAN HET NEGENBONDE	AA	€55	77	****	**	€6	76	****	****	€28	71	****	****	€24	87	****	**	€68	61	****	****	€81	88	****	**	5.2	88	*	****	NCBC	9	H
BIG	BUTINEUR DU GRAND C	AA	€55	77	****	**	€6	76	****	****	€28	71	****	****	€24	87	****	**	€68	61	****	****	€81	88	****	**	5.2	88	*	****	NCBC	9	M
EDJ	DU JARDIN ESPOIR DU J	AA	€55	77	****	**	€6	76	****	****	€28	71	****	****	€24	87	****	**	€68	61	****	****	€81	88	****	**	5.2	88	*	****	NCBC	10	H
DEP	DESPOTE DE L'EAU D'E	AA	€55	77	****	**	€6	76	****	****	€28	71	****	****	€24	87	****	**	€68	61	****	****	€81	88	****	**	5.2	88	*	****	NCBC	10	H
VAF	VALENTIN 2235 PAPILLC	AA	€55	77	****	**	€6	76	****	****	€28	71	****	****	€24	87	****	**	€68	61	****	****	€81	88	****	**	5.2	88	*	****	NCBC	8	H
MNZ	MAGNOLIA 0103 DE SOM	AA	€55	77	****	**	€6	76	****	****	€28	71	****	****	€24	87	****	**	€68	61	****	****	€81	88	****	**	5.2	88	*	****	NCBC	11	H
AED	D'OZO ADMIRE ET	AA	€55	77	****	**	€6	76	****	****	€28	71	****	****	€24	87	****	**	€68	61	****	****	€81	88	****	**	5.2	88	*	****	NCBC	9	H
DIB	DE BOMAL DISTRAIT DE	AA	€55	77	****	**	€6	76	****	****	€28	71	****	****	€24	87	****	**	€68	61	****	****	€81	88	****	**	5.2	88	*	****	NCBC	8	H
VCR	DROMISKIN VICEROY	AA	€55	77	****	**	€6	76	****	****	€28	71	****	****	€24	87	****	**	€68	61	****	****	€81	88	****	**	5.2	88	*	****	NCBC	14	H
JWN	HOLLOWTREE NICKOLAS	CH	€180	90	****	****	-€6	87	****	***	€90	95	****	****	€150	97	****	****	-€33	51	****	**	€372	94	****	****	7.2	96	****	**	NCBC	9	H
MYI	MAERDY IMPECCABLE	CH	€175	65	****	****	-€11	59	****	****	€102	77	****	****	€164	73	****	****	-€122	26	*	*	€411	74	****	****	7.4	78	****	**	GOULDING	100	L
LNZ	LANZAC	CH	€170	82	****	****	-€31	75	*	*	€104	92	****	****	€151	94	****	****	€85	35	****	****	€280	90	****	****	16.3	84	*	*	DOVEA GE	12	H
ICR	ICARE	CH	€168	65	****	****	-€20	58	*	*	€121	84	****	****	€155	72	****	****	-€55	36	****	**	€360	71	****	****	10.5	78	**	*	GOULDING	12	H
HCE	HORACE	CH	€152	61	****	****	-€8	52	****	***	€98	85	****	****	€146	69	****	****	-€124	39	*	*	€354	70	****	****	7.2	71	****	**	GOULDING	50	L
MDO	MOGADOR	CH	€149	94	****	****	-€21	92	*	*	€108	98	****	****	€140	98	****	****	-€32	66	****	***	€301	97	****	****	12.8	98	*	*	NCBC	9	H
MQI	MARQUIS	CH	€145	67	****	****	-€20	58	*	*	€79	77	****	****	€140	79	****	****	-€20	28	****	***	€290	76	****	****	11.6	82	*	*	EUROGEN	15	H
MJR	MAJOR	CH	€142	71	****	****	-€33	68	*	*	€106	81	****	****	€146	77	****	****	-€21	38	****	***	€289	78	****	****	17.5	82	*	*	GOULDING	160	L
NEX	NELSON	CH	€140	63	****	****	-€6	66	****	***	€85	73	****	****	€115	64	****	****	-€20	11	****	***	€284	69	****	****	6.8	89	****	**	GOULDING	38	H
PXU	ENFIELD PLEXUS	CH	€139	81	****	****	-€21	80	*	*	€90	88	****	****	€132	87	****	****	-€5	25	****	***	€265	87	****	****	12.1	95	*	*	NCBC	11	H
TZA	LYONSDEMESNE TZAR	CH	€139	78	****	****	-€32	81	*	*	€115	89	****	****	€137	80	****	****	€11	20	****	****	€253	82	****	****	16.5	95	*	*	DOVEA GE	15	H
PIX	PHENIX	CH	€139	62	****	****	-€31	49	*	*	€107	74	****	****	€138	79	****	****	€15	16	****	***	€281	74	****	****	16.5	79	*	*	NCBC	9	H
PTE	PIRATE	CH	€135	93	****	****	-€8	93	****	****	€79	96	****	****	€123	97	****	****	-€59	51	****	**	€288	96	****	****	8.5	98	****	**	NCBC	12	H
ODI	ORGANDI	CH	€132	92	****	****	-€24	91	*	*	€91	96	****	****	€143	97	****	****	-€84	54	*	*	€296	96	****	****	15.1	98	****	**	NCBC	10	H
PBT	PRIME ROBERTO	CH	€130	88	****	****	-€20	86	*	*	€76	93	****	****	€140	94	****	****	-€86	42	*	*	€292	93	****	****	12.3	96	*	*	DOVEA GE	8	H
NAP	NAPOLEON	CH	€130	80	****	****	-€29	74	*	*	€90	82	****	****	€140	92	****	****	-€36	26	****	**	€263	88	****	****	16.3	91	*	*	DOVEA GE	8	H
VWK	ENFIELD NEWLOOK	CH	€126	91	****	****	-€31																										

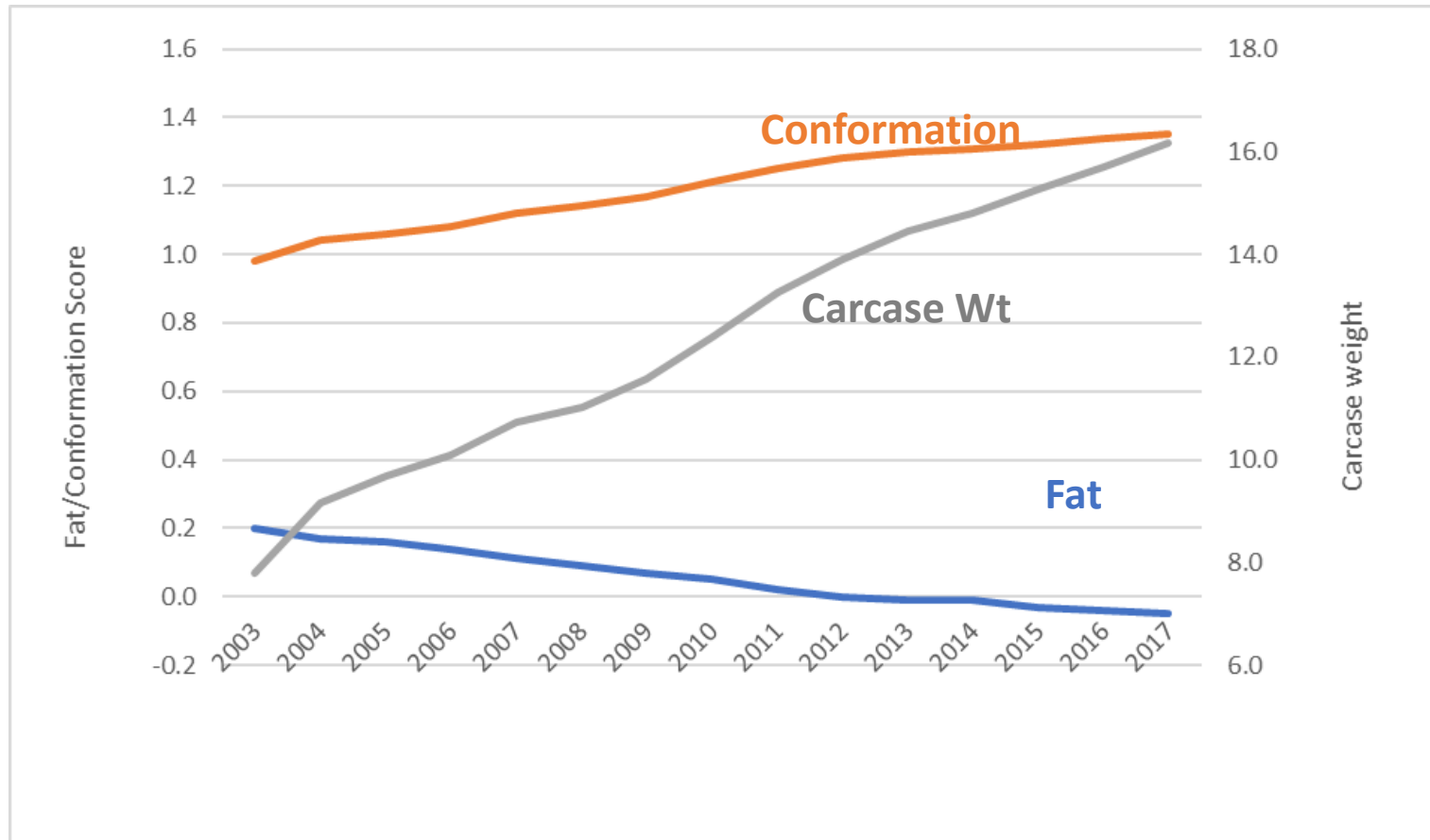
ICBF Spring Active Beef Bull List 2018

Bull Details					Replacement				Calving			Milk		Semen	
Rank	AI Code	Name	Breed	Gene Ireland	Index	Rel %	Stars Within	Stars Across	Calv Diff %	Rel %	Calv Recs	Daughter Milk (kgs)	Rel %	Price	Supplier
1	SA4059	Beguin	SA	No	€252	59	5	5	1.6	83	121	15.8	72	€26	Munster,PG
2	SA2189	Ulsan	SA	No	€203	63	5	5	1	96	780	11.7	73	€10	Dovea
3	SI4383	Derreen Declan	SI	No	€192	54	5	5	3.2	74	69	12	49	€12	Dunmasc
4	ZAG	Castleview Gazelle	LM	Yes	€191	77	5	5	4.4	99	27072	0.9	76	€10	Munster,PG
5	SFL	Du Stordeur Flaneur	BB	No	€183	96	5	5	5.1	99	10244	4.4	99	€15	Bova
6	VTA	Vaillant	SA	No	€179	77	5	5	2.1	93	300	6.2	85	€14	Bova
7	ISL	Islavale Cracker 11	SI	No	€171	76	5	5	7.2	97	1148	8.6	86	€10	Dovea
8	SI2469	Lisnacraann Fifty Cent	SI	Yes	€170	57	5	5	4	96	893	12.7	50	€12	Munster,PG
9	QCD	Cloondroon Calling	SI	Yes	€161	82	5	5	6.8	98	1785	6.5	89	€10	Dovea
10	SA4060	Baron	SA	No	€161	50	4	5	3.5	68	17	10.3	63	€22	Munster,PG
11	JSS	Usse	LM	No	€160	52	5	5	3.9	78	79	7.9	69	€16	Eurogene
12	SI2152	Curaheen Earp	SI	Yes	€159	59	5	5	4.7	98	2183	10.5	50	€10	Munster,PG
13	VMO	Voimo	CH	No	€159	64	5	5	5.4	86	151	7.6	75	€38	Munster,PG
14	CH2218	Bivouac	CH	No	€155	59	5	5	4.1	90	258	3.9	70	€10	Dovea
15	XCD	Clonagh Direct	SI	No	€155	60	5	5	3.1	88	227	11.7	54	€16	Dunmasc
16	GEU	Gordon Et D	LM	No	€155	60	5	5	3.1	88	227	11.7	54	€10	Munster,PG
17	SI4030	Auchorachan	SI	No	€155	60	5	5	3.1	88	227	11.7	54	€50	Eurogene
18	TSO	Curaheen Ty	SI	No	€155	60	5	5	3.1	88	227	11.7	54	€50	Celtic Sires
19	SI2099	Kilbride Farn	SI	No	€155	60	5	5	3.1	88	227	11.7	54	€10	Bova
20	ZLL	Lanigan Red	SI	No	€155	60	5	5	3.1	88	227	11.7	54	€30	Bova
21	KYA	Cornamuckla	SI	No	€155	60	5	5	3.1	88	227	11.7	54	€10	Munster,PG
22	ZEP	Hawkley Red	SI	No	€155	60	5	5	3.1	88	227	11.7	54	€10	Dovea
23	PZB	Bonaparte	SI	No	€155	60	5	5	3.1	88	227	11.7	54	€10	Munster,PG
24	DZJ	Drumlegagh	SI	No	€155	60	5	5	3.1	88	227	11.7	54	€12	Eurogene
25	AHC	Auroch Deut	SI	No	€155	60	5	5	3.1	88	227	11.7	54	€10	Munster,PG
26	YFK	Kilbride Farn	SI	No	€155	60	5	5	3.1	88	227	11.7	54	€15	Eurogene
27	OKH	Keltic Handsome	LM	Yes	€138	66	5	5	6.1	99	4322	1.5	54	€12	Munster,PG
28	SI4083	Clonagh Frosty King Et	SI	Yes	€137	50	4	5	4.1	65	36	12.2	50	€10	Munster,PG
29	ESH	Early Sunset High Time 81g	AA	No	€134	96	5	5	1.4	99	1991	6.2	98	€10	Munster,PG

ICBF Active Bull List 2018

- Replacement Index
- Ranked across breed.
- Integration of foreign data.
- GENE IRELAND.

Beef – Terminal traits

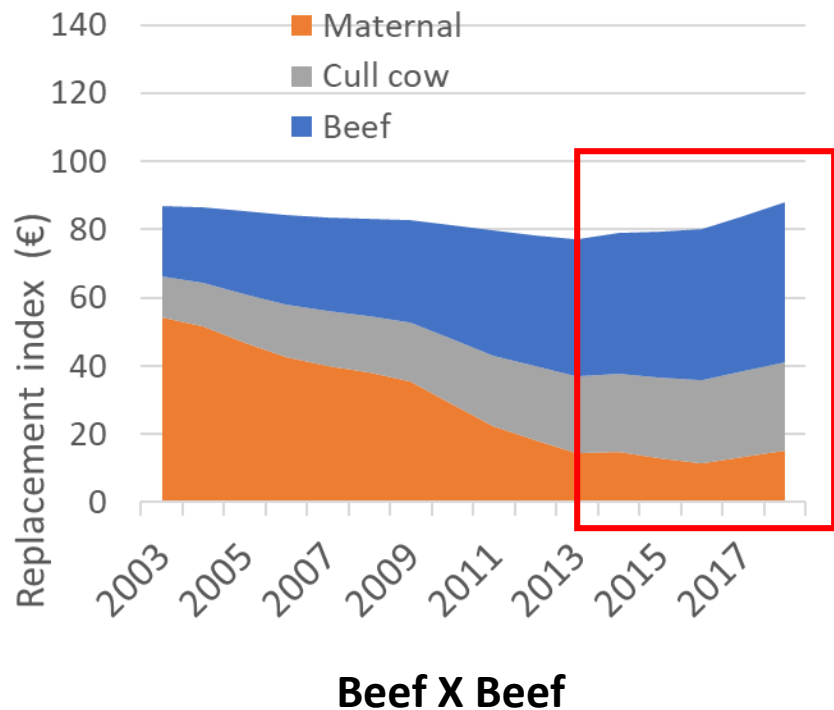


Beef – Terminal

	NPV (€m)
Beef (Terminal)	
Slaughtered in Ireland	464
Live cattle exports	105
Total	569

**€33 per suckler cow
per year**

Beef – Replacement index



- Replacement index steady
- **But** maternal traits have deteriorated
- Compensated by terminal traits

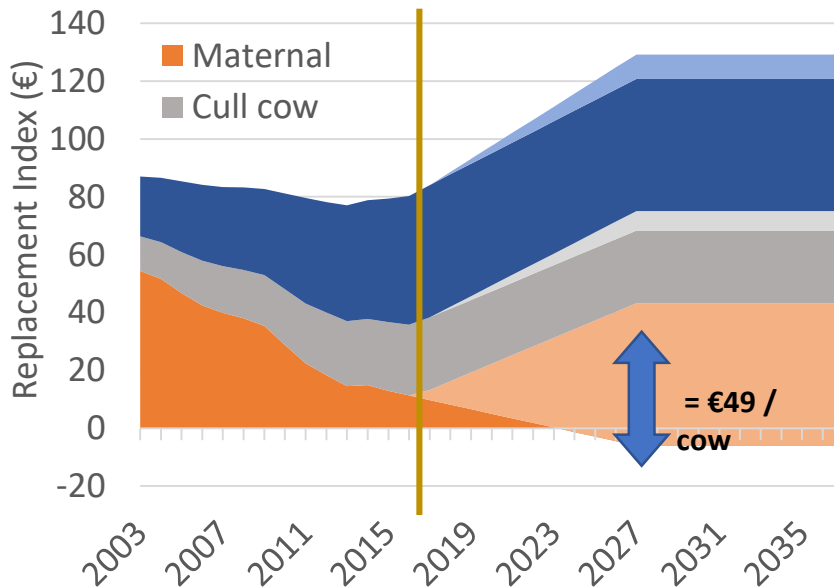
-€25 per suckler cow per year

Beef – Past value

	Value (€m)
Beef (Terminal)	
<i>Slaughtered</i>	464
<i>Live cattle exports</i>	105
Cull cows	31
Suckler cows (Maternal)	-420
Total	180

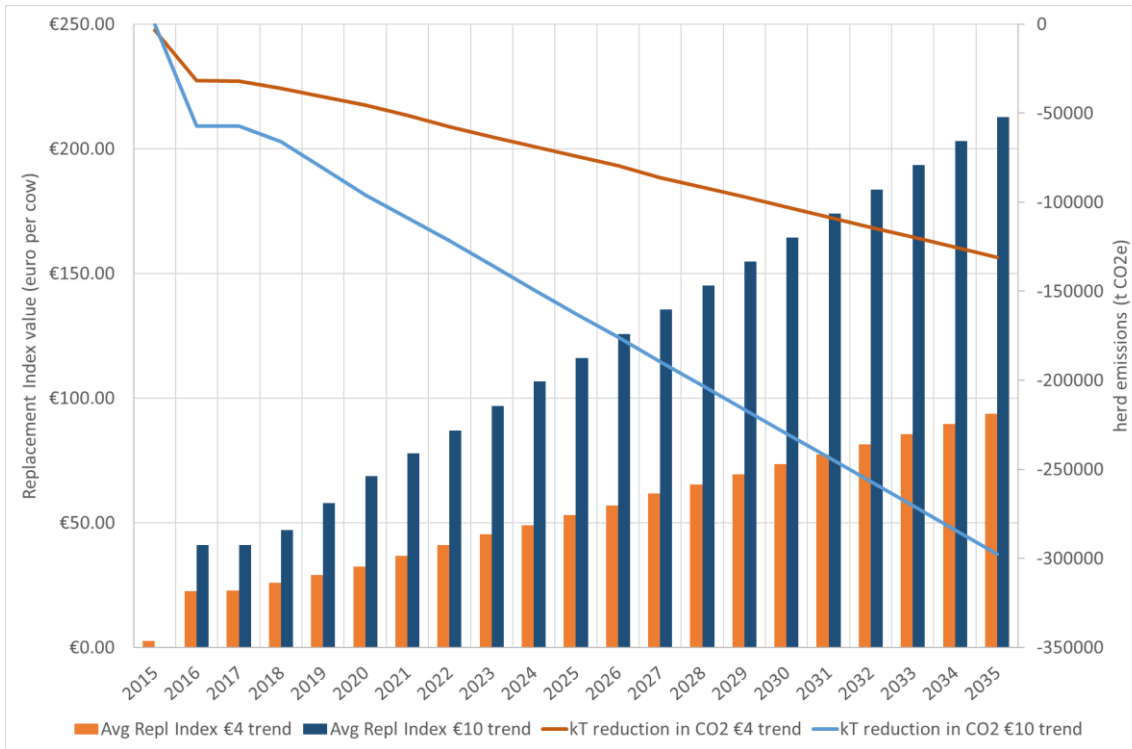


Beef – BDGP



Value of new maternal gain from BDGP = €540m

GHG benefits from BDGP



20 years of €10/yr gain in Replacement index = 10% reductions in suckler emissions.

Validation of Euro-Stars.

- Suckler beef calves born from 1st Jan 2014.
- First calved in as replacement females between 1st Jan 2017 and 30th June 2017.
- Evaluation from 1st official genomic evaluation run => August 2016.
- None of their own performance data has been included in the evaluation.
- How good was that evaluation at predicting future cow performance & profitability?
 - Based on 1st parity performance & slaughtered young bull progeny

Validation of Euro-Stars – Cow weight.

Cow Details			Cow Traits						Progeny Traits		
Star Category	Count	Rep Index	Cow Lwt	AFC	CI Days	% Alive	Cow Milk	Wean weight	Age Slau	Cwt kg	C Conf
1 Star	4,134	€22	600.3	924.9	391.2	81.5%	3.69	282.8	509.2	383.7	10.2
2 Star	5,855	€49	584.3	907.2	388.5	83.0%	3.76	286.0	505.2	387.2	10.2
3 Star	8,581	€65	577.9	895.8	386.5	84.3%	3.81	287.4	501.3	382.5	10.2
4 Star	11,712	€82	580.1	888.0	384.5	85.2%	3.87	289.5	504.1	384.9	10.1
5 Star	20,931	€114	573.1	866.0	382.9	86.4%	3.96	287.2	503.4	382.8	10.0
No Stars	8,253		547.9	910.6	383.9	85.4%	3.98	298.7	499.6	380.9	9.5
Grand Total	59,466	€83	575.8	889.0	384.9	100.0%	3.89	288.9	503.2	383.3	10.0
Diff 1 vs 5 star		€91	-27.3	-59.0	-8.3	4.9%	0.26	4.4	-5.8	-0.8	-0.3

- Lighter cows.

Validation of Euro-Stars - Fertility.

Cow Details			Cow Traits						Progeny Traits		
Star Category	Count	Rep Index	Cow Lwt	AFC	CI Days	% Alive	Cow Milk	Wean weight	Age Slau	Cwt kg	C Conf
1 Star	4,134	€22	600.3	924.9	391.2	81.5%	3.69	282.8	509.2	383.7	10.2
2 Star	5,855	€49	584.3	907.2	388.5	83.0%	3.76	286.0	505.2	387.2	10.2
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Grand Total	59,466	€83	575.8	889.0	384.9	100.0%	3.89	288.9	503.2	383.3	10.0
Diff 1 vs 5 star		€91	-27.3	-59.0	-8.3	4.9%	0.26	4.4	-5.8	-0.8	-0.3

- Lighter cows, with better fertility.

Validation of Euro-Stars – Wean Wt.

Cow Details			Cow Traits						Progeny Traits		
Star Category	Count	Rep Index	Cow Lwt	AFC	CI Days	% Alive	Cow Milk	Wean weight	Age Slau	Cwt kg	C Conf
1 Star	4,134	€22	600.3	924.9	391.2	81.5%	3.69	282.8	509.2	383.7	10.2
2 Star	5,855	€49	584.3	907.2	388.5	83.0%	3.76	286.0	505.2	387.2	10.2
3 Star	8,581	€65	577.9	895.8	386.5	84.3%	3.81	287.4	501.3	382.5	10.2
4 Star	11,712	€82	580.1	888.0	384.5	85.2%	3.87	289.5	504.1	384.9	10.1
5 Star	20,931	€114	573.1	866.0	382.9	86.4%	3.96	287.2	503.4	382.8	10.0
No Stars	8,253		547.9	910.6	383.9	85.4%	3.98	298.7	499.6	380.9	9.5
Grand Total	59,466	€83	575.8	889.0	384.9	100.0%	3.89	288.9	503.2	383.3	10.0
Diff 1 vs 5 star		€91	-27.3	-59.0	-8.3	4.9%	0.26	4.4	-5.8	-0.8	-0.3

- Lighter cows, with better fertility and more milk.

Validation of Euro-Stars – Progeny.

Cow Details			Cow Traits						Progeny Traits		
Star Category	Count	Rep Index	Cow Lwt	AFC	CI Days	% Alive	Cow Milk	Wean weight	Age Slau	Cwt kg	C Conf
1 Star	4,134	€22	600.3	924.9	391.2	81.5%	3.69	282.8	509.2	383.7	10.2
2 Star	5,855	€49	584.3	907.2	388.5	83.0%	3.76	286.0	505.2	387.2	10.2
3 Star	8,581	€65	577.9	895.8	386.5	84.3%	3.81	287.4	501.3	382.5	10.2
4 Star	11,712	€82	580.1	888.0	384.5	85.2%	3.87	289.5	504.1	384.9	10.1
5 Star	20,931	€114	573.1	866.0	382.9	86.4%	3.96	287.2	503.4	382.8	10.0
No Stars	8,253		547.9	910.6	383.9	85.4%	3.98	298.7	499.6	380.9	9.5
Grand Total	59,466	€83	575.8	889.0	384.9	100.0%	3.89	288.9	503.2	383.3	10.0
Diff 1 vs 5 star		€91	-27.3	-59.0	-8.3	4.9%	0.26	4.4	-5.8	-0.8	-0.3

- Lighter cows, with better fertility, more milk & no loss in carcass performance of progeny.
- Repeatable across breeds.
- Continue to use this validation set of animals in future.

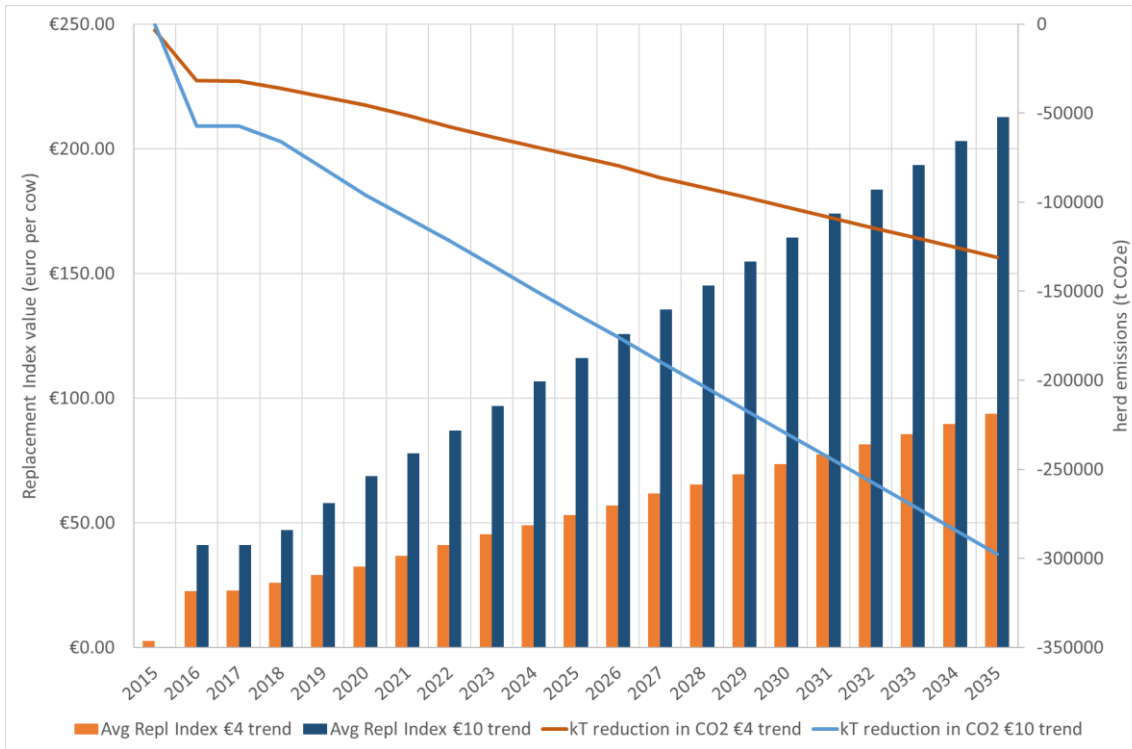
Increasing Genetic Gain; Focus Areas.

- GEN€ IRELAND & Whole Herd Performance Recording.
- DNA calf-based registration.
- Dairy Beef Index.
- New traits of interest.....

Development of Euro-Stars – 2019+

	2015 – Rep Index Now	2019+
Calving	16%	?
Feed Intake	18%	?
Carcass weight for age.	21%	?
Milk	18%	?
Fertility	23%	?
Docility	4%	?
<i>New – GHG (cow live-weight & direct measures)</i>		
<i>New – Societal traits (e.g., polledness, welfare).</i>		
<i>New – Carcass cut & meat eating quality.</i>		
<i>New – health & disease traits.</i>		

How do we shift from €4/year gain to €10/gain?



20 years of €10/yr gain in Replacement index = 10% reductions in suckler emissions.

Bull Breeders are Key.

BEEF BREEDING

Commercial farmers making their voice heard

Pedigree breed societies continue to lock horns with ICBF on the future direction of beef breeding.

The latest spat comes as breeding trends finally move in the right direction. In recent years calves per cow per year have increased from 0.79 to 0.85, delivering commercial farmers an extra 60,000 calves per annum.

Meanwhile, calving interval has fallen from 407 days to an average of 393 days, with the other key profit drivers such as age at first calving all going in a positive direction.

Concerns have been expressed as to the effect the BDGP scheme is having on the quality of progeny from the suckler herd. However, as Adam Woods reported last week, this is not supported by the facts, with carcass conformation being maintained while age at slaughter and carcass weight have both improved.

There is no doubt these trends are being driven on the back of providing commercial farmers with increased information on which to make breeding decisions. While it is easy to see why some may have an interest in shutting down this information flow, commercial suckler farmers need to make their voices heard as to the value it is delivering. Now is a time for cool heads and for all parties to focus on what is right for the commercial suckler farmer. Breeders who don't like change will like irrelevance even less.

inflation.

The EU is proposing a cut of 5% in direct payments. Meanwhile, payments have not been increased in recent CAP reforms and farmers are aware that these payments are being eaten away by rising costs.

Now, for the first time, the stark effects of inflation are spelled out clearly for farmers, by ICBF president Joe Healy. He quantified the effect of modest inflation which is the EU's target rate.

The proposed CAP cut would reduce direct pay

European Commissioner for Agriculture Phil Hogan at the launch of his proposals for the CAP after 2020.

HSA investigation

A farmer lost his life on Saturday 30 June in Clogher, Clonmorris, Co Mayo.

The farmer, who was in his 50s, had been collecting bales and the accident is understood to have involved machinery.

A second farmer in his 70s was killed on Tuesday 3 July following a farm accident at Three Mile House, Co Mon

- “Breeders who don’t like change will like irrelevance even less”. IFJ, 5 July 2018
 - Think pig industry now controlled by plc’s that provide genetics to suppliers. Do we want this for beef?
- ICBF are committed to the within breed/pedigree improvement model.
 - Huge potential for Irish beef farmers and industry, both pedigree and commercial.
- How do we make this work?



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Summary.

- Genetics is a powerful tool to effect change.
- Decline in maternal traits has now turned around. Akin to EBI 10 years ago.
- Fantastic opportunity to grow profitability and sustainability for Irish beef farmers.
 - World best re: data, genomics etc.
- Will require all stakeholders to work together to deliver these outcomes.



Our Farmer & Government Representation



Our AI & Milk Recording Organisations



Our Herdbooks



Acknowledging Our Members