

ICBF / FBD Beef Breeding Event

Tully, 8th October 2010

Agenda

2pm	Welcome
2.15	Beef Herdplus @
3pm	€uro-Stars & Genomics
3.45	GENE IRELAND@
4pm	Dinner
5pm	Bull Sale

Beef Herdplus Demonstration

Martin Burke & Pat Donnellan
ICBF

Beef Production in Ireland

Key Statistics

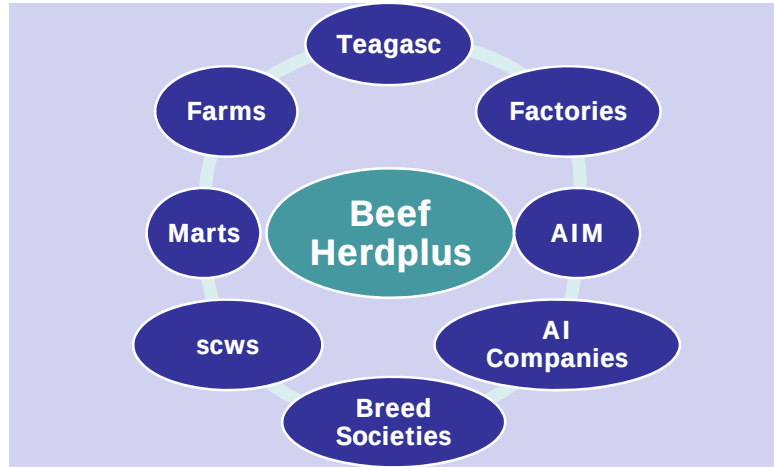
- 2.2 million cows
- 1.0 million beef cows
- 17 cows / herd
- 6 major beef breeds
- 350k Dairy cows also bred to beef sires
- Heavily export focused.

• 22% replacement

• 16% Live export

• 62% Slaughtered in Ireland

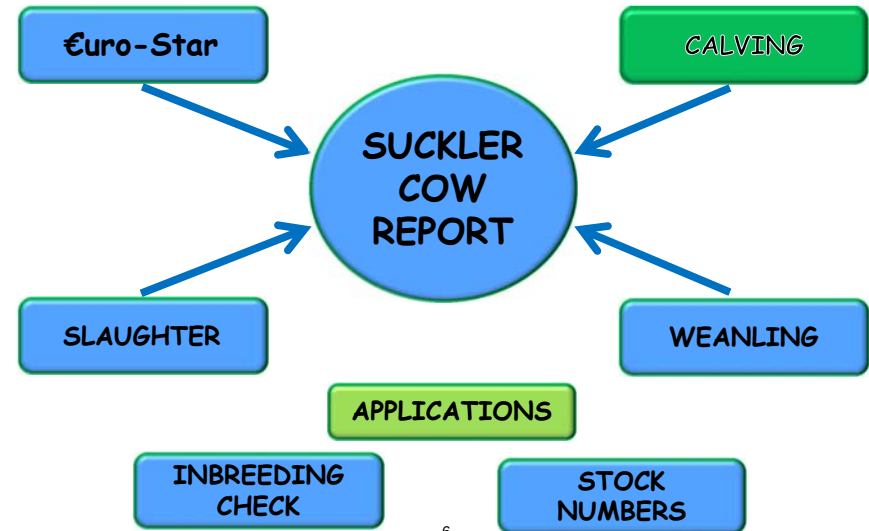
HERDPLUS OVERVIEW



- ICBF Database well connected in our Cattle Breeding Industry
- Beef Herdplus Reports have very deep data sources behind them.

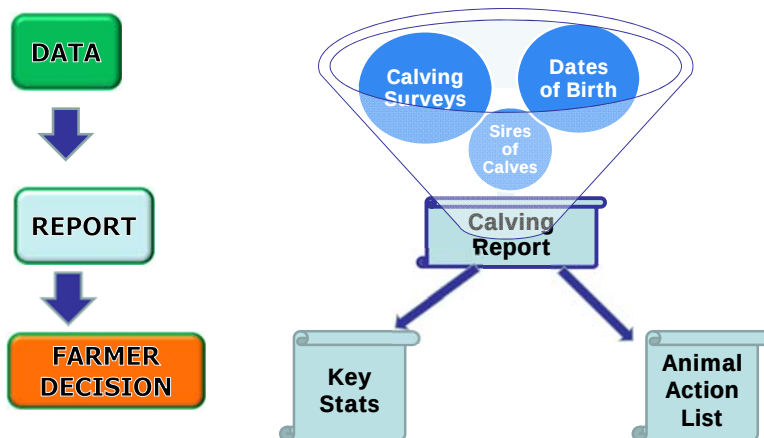
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HERDPLUS PRODUCTS



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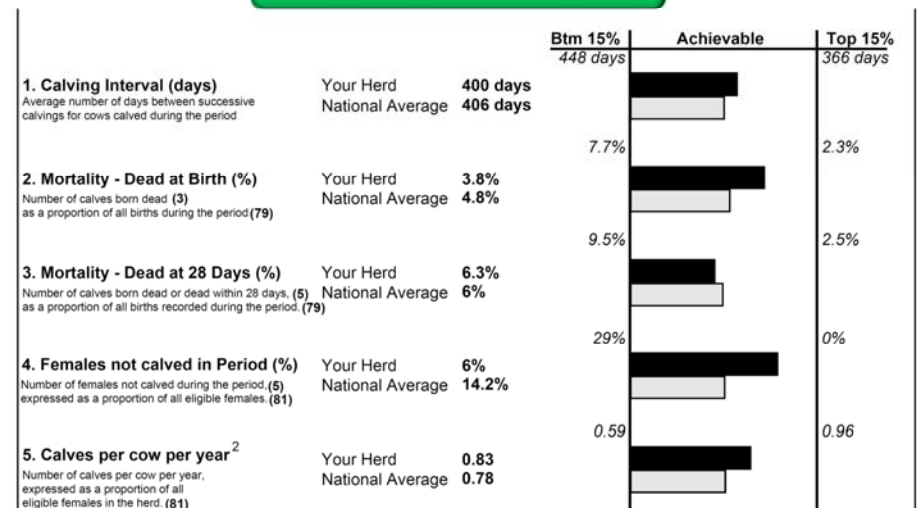
HERDPLUS PROCESS e.g. Calving Data



- All Products follow the same process.
- Reports & Action Lists in 'User Friendly' formats.

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CALVING REPORT



- Calving Performance of your herd analysed.
- Gauge how your herd rates Nationally.

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Beef Calving Report - Section A - 8/10/10

Cows calved more than once (ordered by last Calving Interval)

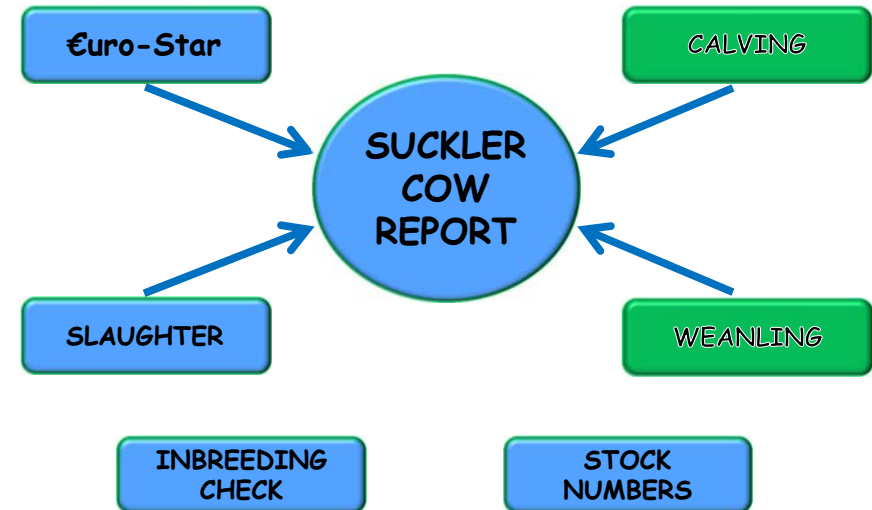
Jumbo	Animal Number	Breed	Age	*No of Calvings	Age at First Calving (Months)	Last Calving	Avg. Calving Interval	Last Calving Interval
372	IE123456789372		6y	3	29	15/11/2009	474	584
677	IE123456789676		5y 2m	2	29	27/09/2009	557	556
224	IE123456789224		6y 6m	3	24	17/11/2009	479	551
622	IE123456789622		5y 7m	2	30	06/12/2009	453	452
682	IE123456789682		6y 1m	3	30	07/12/2009	491	449
723	IE123456789723		5y 6m	3	30	23/12/2009	405	421
991	IE123456789991		7y 7m	4	32	10/12/2009	373	416
234	IE123456781234		8y 7m	5	25	08/12/2009	422	411
321	IE123456784321		12y 8m	8	31	14/11/2009	493	405
321	IE123456784321		6y 7m	3	31	25/11/2009	385	404

*No of Calvings: Embryo calves are not included.

**Animal Flushed: Calving Interval Figures may be inaccurate.

- Every Female Listed.
- Possible problem animals identified.

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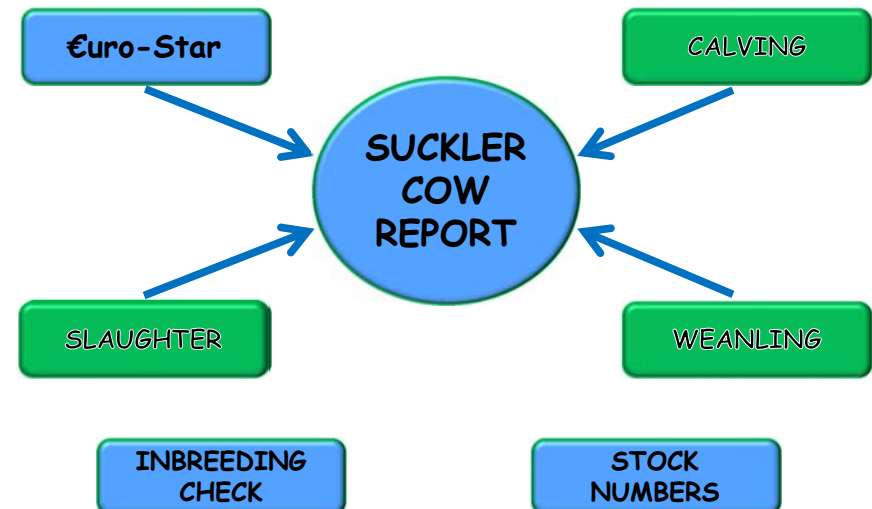
Weanling Performance Report

Animal Details		Ancestry		Weight Performance					
				Date	Age (Days)	Weight	Nbr of Days	Weight Gain	Daily Gain
Jumbo:	523	Sire:	HIH H.Triumph						
Official Tag:	IE151013714523		LM (100%)	07/09/2009	0	40 Kg	-	-	-
Breed:	LMX	Dam:	IE151521520321	09/06/2010	275	294 Kg	275	254 Kg	0.92
Date of Birth:	07-Sep-09		BA (50%), FR (50%)	20/07/2010	316	370 Kg	41	76 Kg	1.85

Animal Details		Ancestry		Weight Performance					
				Date	Age (Days)	Weight	Nbr of Days	Weight Gain	Daily Gain
Jumbo:	524	Sire:	HIH H.Triumph						
Official Tag:	IE151013701524		LM (100%)	12/10/2009	0	63 Kg	-	-	-
Breed:	LMX	Dam:	IE151521520324	09/06/2010	240	325 Kg	240	262 Kg	1.09
Date of Birth:	12-Oct-09		BA (50%), FR (50%)	20/07/2010	281	429 Kg	41	104 Kg	2.54

- Easily identify good & poor performers.
- Earmark particular cows for breeding/culling.

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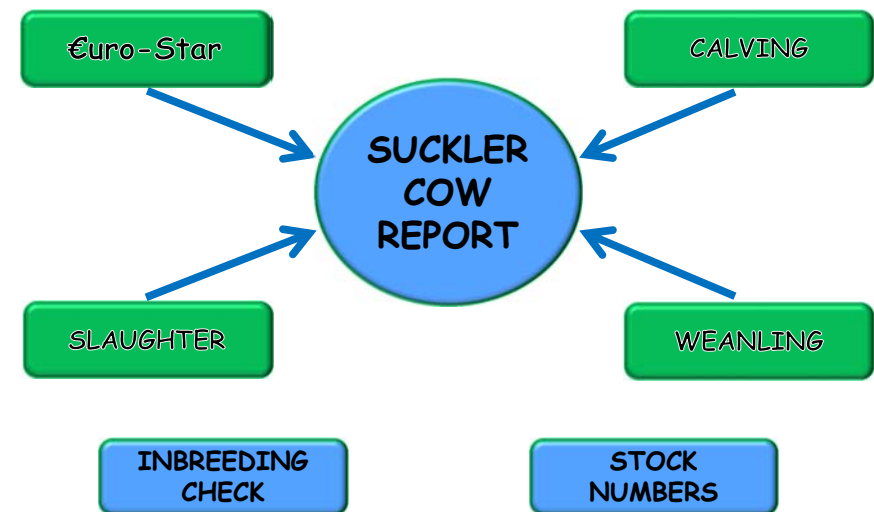
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Table 1. Summary Data - Based on all Home Bred Heifers slaughtered in the period (progeny of suckler beef cows)

Animal Details					Factory performance			KPI	
No. of animals	Average Euro-Star Carcass Index (£)	Average Age (months)	Range in Age (months)	Average days on farm	Average Cold Weight (kg)	Cents per kg Cold Weight	Overall Average Price/lb (£)	Average Daily Gain (ADG Kg)	Lifetime Value per day (£)
73	8	23	13 - 35	712	327	3.01	1,004	0.41	1.42

Table 2. Quality Payment System Grid (Home Bred Heifers)

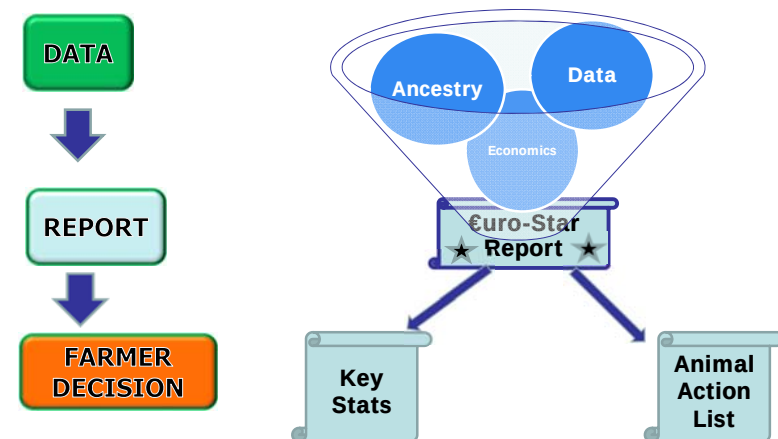
	E	U+	U=	U-	R+	R=	R-	O+	O=	O-	P
1											
2-											
2=			1								
2+											
3-											
3=				1	1		2				
3+				2	7	2					
4- (L)			1	4	3	4	1				
4=			1	1	6	6		1	1		
4+ (H)			3	3	7	4	2				
5				1	4	4					



Would you buy a car without knowing the mileage...??

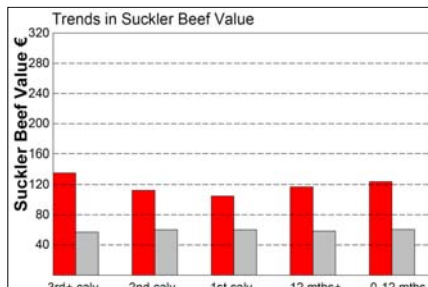
[illegible]

- Euro-Stars being increasingly used as a Selection, Culling & Purchasing tool.
- Whether Pedigree or Commercial - You need to know the genetics that you are working with.



- What are the Genetic Strengths /Weaknesses of your herd

Suckler Beef Value						
Commercial		Beef Value		Replacement		
Group	No.	Weanling Export	Beef Carcass	↓	Daughter Fertility	Daughter Milk
		Within Across	Within Across	Within Across	Within Across	Within Across
All cows	47	€ 64	€ 86	€ 119	€ 47	€ 42
1st calving	19	€ 62	€ 84	€ 105	€ 33	€ 30
2nd calving	8	€ 52	€ 74	€ 112	€ 63	€ 62



Herd Overview

Jumbo ID	DOB	Weanling Export (Rel %)	Beef Carcass (Rel %)	↓	Daughter Fertility (Rel %)	Daughter Milk (Rel %)	Calv Diff % (Rel %)	Gestation Length % (Rel %)	Docility (Rel %)	Muscle Skeletal (Rel %)
Animal tag	Dam ID	Within Across	Within Across	Within Across	Within Across	Within Across	Within Across	Within Across	Within Across	Within Across
Animal name	Sire ID									
Breed	Mat GSire ID									
CH065	26/09/07	€ 134	€ 161	€ 151	€ 15	€ 80	14.8	2.4	-0.02	114
IE381160550065	FR7121391742	(45%)	(45%)	(42%)	(15%)	(21%)	(58%)	(28%)	(45%)	104
D CLASSIC (ET)	OSC	*****	*****	*****	*****	**	*	**	**	(54%)
CH (100%)	8594100771	*****	*****	*****	***	*	*	***	***	

Herd Progress

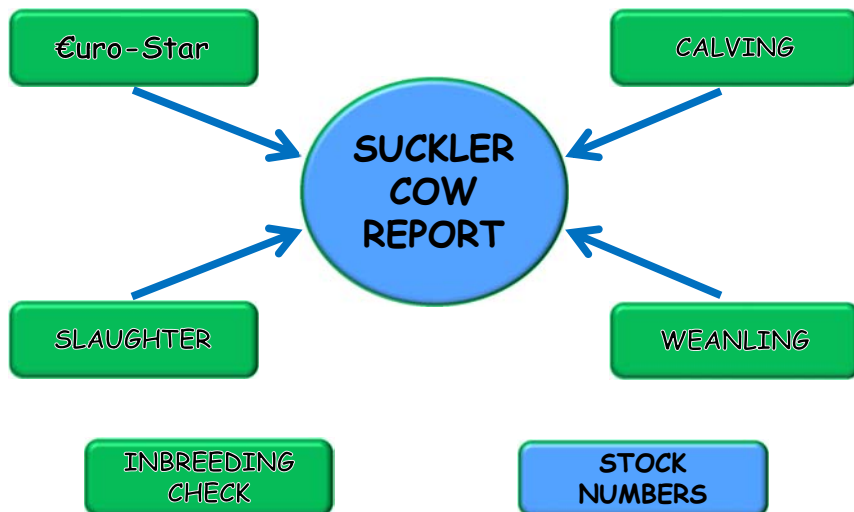
Individual Animal

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Sex	Data	1 Star	5 Star
Male Weanlings	Age at sale (days)	226 days	226 days
	Weight at sale (kg)	294 Kg	354 Kg
	Price (€/animal)	€485	€669
	Price (€/kg)	€1.65	€1.89
	Average SBV	€20	€100

- 10,783 Weanlings sold in Aug, Sep, Oct
- Animals performed in line with their €uro-Stars
- 5 Star animals were more profitable.

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HOME - HerdPlus CONTACT SUPPORT LOG OUT

Beef HerdPlus - Profit through Science

HERD INFO

RECORD EVENTS

CALVING

FERTILITY

REPORTS

STOCK REPORTS

HerdPlus News

GENE IRELAND - Now Signing for the Spring Programme

€uro-Star Report

Suckler Cow Welfare Scheme

HerdPlus Reports

€URO-STAR

SLAUGHTER

INBREEDING

GENE IRELAND

SUCKLER SCHEME

HerdPlus DAIRY Page >>

Today, Friday

ICBF Bull Search

Search by:

• AI Code, Tag, Herd Book No, ITT

• Name or part of name

Search

Active Bull Lists

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INBREEDING CHECK

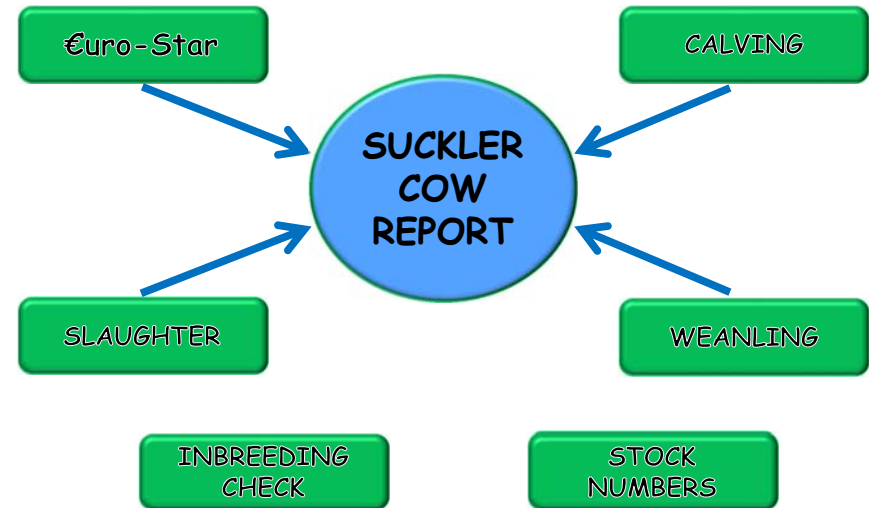
Jumbo	Animal Number	DOB	HTA
48P	IEWPLS0048P	01/02/96	OK
332	IE211063450332	11/02/99	25
334	IE211063470334	11/02/99	OK
338	IE211063420338	17/02/99	25
397	IE211063440397	13/04/99	OK
423	IE211063450423	26/01/00	OK
548	IE211063460548	09/02/01	OK
684	IE211063420684	03/03/02	OK
751	IE211063430751	12/11/02	OK
829	IE211063460829	02/03/03	OK
888	IE211063480888	15/11/03	OK
937	IE211063470937	15/02/04	OK
965			
976			



- Identify possible Inbreeding problems before Bull is used!

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HERDPLUS PRODUCTS



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STOCK NUMBERS

HOME - HerdPlus CONTACT SUPPORT LOG OUT

Beef HerdPlus - Profit through Science

HerdPlus News

GENE IRELAND - Now Signing for the Spring Programme
Sign-ups for the Spring Beef test bull program are now well under way. [Click here](#) to view available bulls.
If you have any queries or are interested in joining please call 023 - 8620456 or 1850 600 900

Euro-Star Report
Spring 2009 is the latest Euro-Star Report available in the Beef Performance section. Every beef animal in the herd gets a suckler beef value (€ value) and a star rating (all females and males, both pedigree and commercial).
For HerdPlus clients [click here](#) to view your report. For non HerdPlus clients [Click here](#) to view sample

Suckler Cow Welfare Scheme
New screens released & now available on this web page for updating all the events required for Suckler Cow Scheme. [Click here](#)

HerdPlus Reports
The following reports are now available for HerdPlus clients. For beef farmers who are not yet members, you can sign up to the electronic package for €20 for year one (€60 per year after that).

HERD INFO

RECORD EVENTS

CALVING

FERTILITY

REPORTS

STOCK REPORTS

EURO-STAR

SLAUGHTER

INBREEDING

GENE IRELAND

SUCKLER SCHEME

HerdPlus DAIRY Page >>

Today, Friday

ICBF Bull Search

Search by:

• AI Code, Tag, Herd Book No, ITT

• Name or part of name

Active Bull Lists

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STOCK NUMBERS

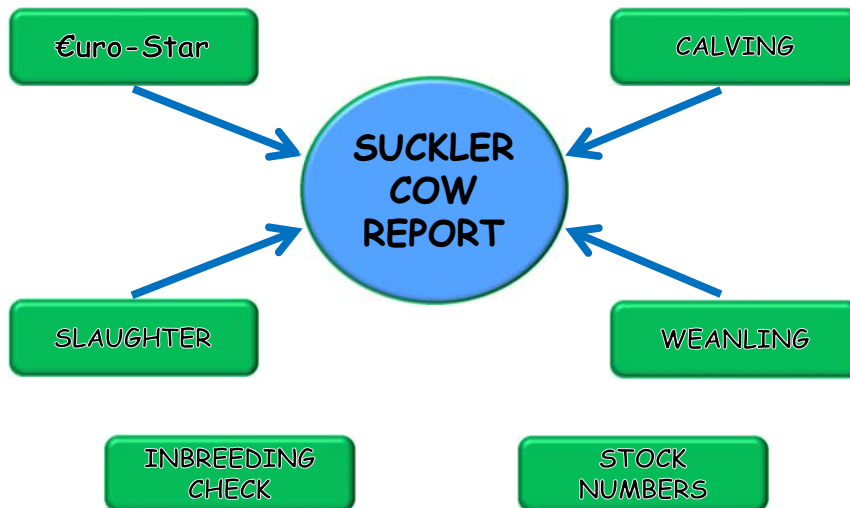
Nitrates Report

Nitrates Report - 2009														N		P	
Animal Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average	kg/ha	Total	kg/ha	Total
Dairy Cows	0	0	0	0	0	0	0	0	0	0	0	0	0	85	0	13	0
Suckler Cows	74	73	73	75	76	75	75	75	73	79	82	82	76.1	65	4947	10	761
Total Cattle 0 - 12 mths	70	65	58	63	60	61	61	62	62	80	90	76	67.3	24	1615	3	262
Total Cattle 12 - 24 mths	67	75	78	82	80	76	58	58	57	54	54	62	66.7	57	3802	8	534
Total Cattle 24+ mths	21	18	24	27	33	35	34	34	34	26	22	29	28.2	65	1833	10	282
Total	232	231	233	247	249	247	228	229	226	239	248	249	236.3		12197		1779

This report calculates the average number of animals in the herd each month and calculates the kgs of Nitrogen (N) and Phosphorus (P) produced in the herd based on these figures.

- Calculates the average number of animals in the herd each month
- Calculates the kgs of Nitrogen (N) & Phosphorus (P) produced

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Animal Details				Ancestry Details				Euro-Star Index								
Jumbo:	888			Sire's Sire:	1986000598			Within Breed	Index	Ref%	Across Breed					
Official Tag:	IE211063480888			Sire's Sire:	BILL			★★★★	Suckler Beef Value	€ 180	42% ★★★★★					
Animal Name:				Sire's Dam:	1982005426			Beef Value								
Date of Birth:	15/11/2003			Sire:	HOU			★★★★	Weanling Export	€ 89	47% ★★★★★					
Breed:	HO (3.13%), FR (25%), LM (71.88%)			Dam:	HYMOUR			★★★★	Beef Carcass	€ 119	48% ★★★★★					
Herdbook:				Dam:	IE211063470508			Replacement Value								
Scored:				Dam's Sire:	BBL			★★★★	Daughter Fertility	€ 56	★★★★					
Weighed:	07/07/2004			Dam's Sire:	BENBULBEN CHARLIE			★★★★	Daughter Milk	€ 85	33% ★★★★★					
BLUP Index (Reliability 31%)				Dam's Dam:	WNA244395			Other Key Traits								
MUSCLE	102	SKELETAL	128	DOCILITY	-0.18			★★★★	Mat Calving Diff %	€ 3.84	45% ★★★★★					
				Dam's Dam:	CILLDAUTUN KARINA 4			★	Gestation Length	€ 2.91	35% ★★					
								★	Docility	-0.18	28% ★					
Calving & Fertility Performance										Weanling & Carcass Performance						
											€					
Calving Date	Tag Number	Calving Survey	Calving Interval	Sex	Current Status	Sire	Sire Breed	Age days	Weight Kgs	Growth Kg/Day	Price/Kilo	Calf Quality	Docility	Age at Slaughter (months)	Carcass Conf. & Fat	Carcass Weight
1 15/01/2006	IE211063481143	Normal		M	Dead	HKG	SI							24	U3	459
2 07/02/2007	IE211063431320	Normal	387	M	Dead	HKG	SI	176	374	1.45				25	U4L	460
3 17/03/2008	IE211063471547	Normal	403	M	Dead	90346	CH					V.Good	Quiet	22	U-3+	429
4 22/02/2009	IE211063421674	Normal	341	M	In herd	BUF	LM	208	347	1.48		V.Good	Quiet			
5 07/02/2010	IE211063451751	Normal	349	F	In herd	50085	CH									

- Key Beef HerdPlus Report
- Allows you to evaluate every Suckler Cow in your herd in detail

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Calving

1. Report
2. Action List



Weanling

3. Report
4. Action List



Slaughter

5. Report
6. Action List

- Number of Beef Herdplus Products has steadily increased.
- Data is only limiting factor in product design.

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€uro-Star

7. Report
8. Action List

Jumbo	Animal Number	DOB	Sex	Breed	Size	Dam	Mark for Culling
400	IE211063481143	15/01/2006	F	LM	374	IE211063481143	No
401	IE211063431320	07/02/2007	M	LM	374	IE211063431320	No
402	IE211063471547	17/03/2008	M	LM	347	IE211063471547	No
403	IE211063421674	22/02/2009	M	LM	347	IE211063421674	No
404	IE211063451751	07/02/2010	F	LM	349	IE211063451751	No

Profiles

9. Herd
10. €uro-Star
11. Fertility
12. Slaughter



Applications

13. Record Data
14. Inbreeding
15. Stock Report
16. Catalogue

- 16 Beef Herdplus Products
- All Products developed in conjunction with Suckler Farmers
- Constantly being improved based on feedback

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Discussion
Group



Beef
Output



Sire
Advice

- More Beef Herdplus Products on the way
- Design & Delivery to be finalised following input from Suckler Farmers

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- Excellent uptake of the service
- Reports constantly improved
- Currently 7400 Farmers joined
 - 4550 Dairy
 - 2850 Beef
- €60/year - On-line, €120/year - Postal
- Hassle free way to get Breeding information on your Herd



Lo-Call 1850-600-900

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The Suckler Beef Value index

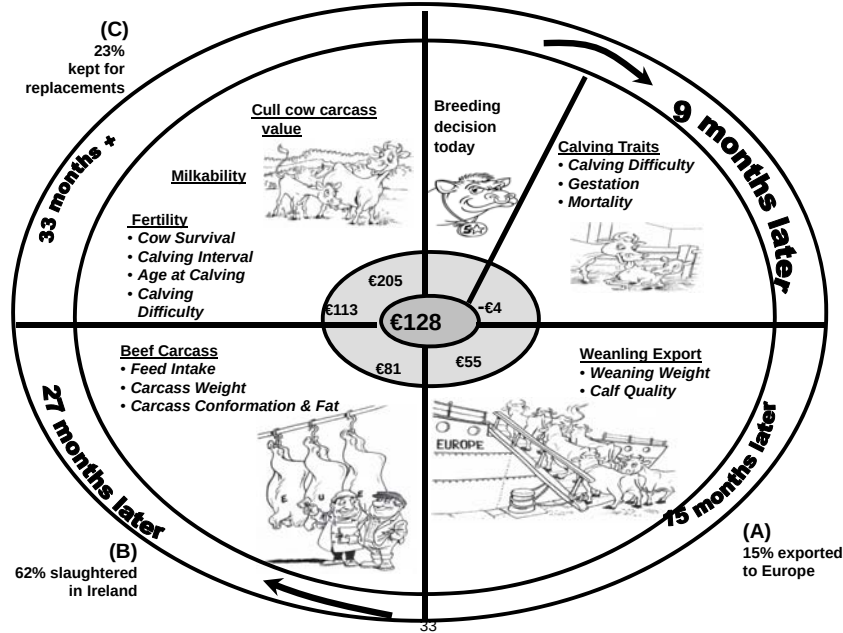
- A brief description of the system
- Where to get most up-to-date information on stock bulls, AI sires?
- Proof that the indexes are working

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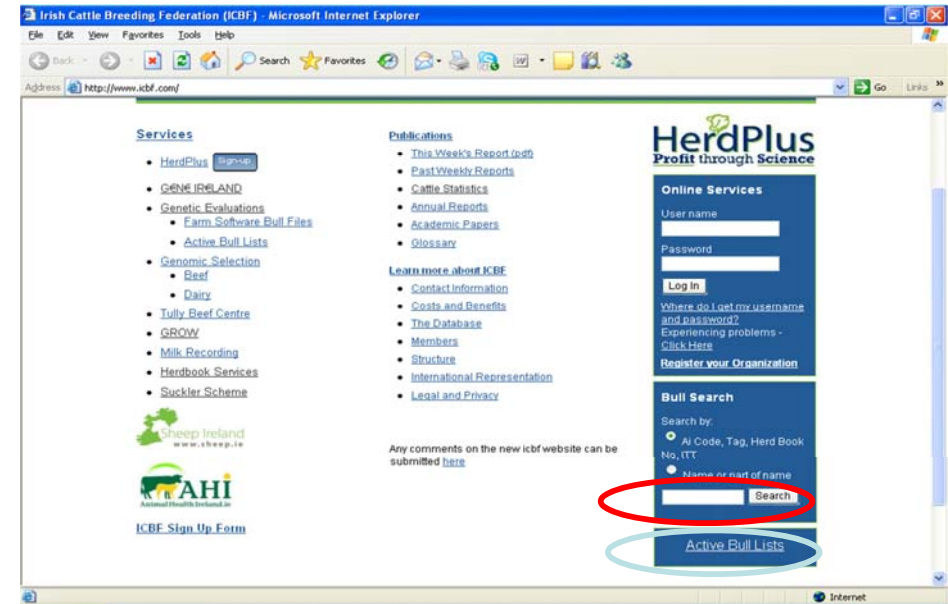
The Suckler Beef Value Index: SBV



€uro-star Suckler Beef Index: SBV



Finding information: www.icbf.com



Uniform template for all bulls

€uro-Star Rating (ICBF, Aug 2010)					
AI Code: CF52	Breed: CH (100%)	Sire: HERMES/HME			
Animal Name: DOONALLY NEW	Owner: NATIONAL CATTLE BREEDING CNTR	Dam: INTRUSE / 7193100567			
Date of Birth: 18-JAN-1997	Date of Evaluation: Aug 2010	MGS: CAMPAGNARD / 1887109836			
National ID:	€uro-star Index	Calving Traits	Weanling	Beef Carcass	Milk
International ID: CHLFRAM007197126709	Linear Type	Pedigree	Fertility	Prev Eval	

% Rank	Star Rating (within breed)	Index and Traits	€uro-Value	Data Reliability	Star Rating (across breed)	% Rank
91%	★★★★★	Suckler Beef Value (SBV)	€129	99%	★★★★★	93%
99%	★★★★★	Weanling Export	€107	99%	★★★★★	99%
99%	★★★★★	Beef Carcass	€176	99%	★★★★★	99%
1%	★	Daughter Fertility	€-89	93%	★	1%
1%	★	Daughter Milk	€-126	96%	★	1%

Other Key Traits					
12%	★	Calving Difficulty (% 3 or 4)	11.30%	99%	★
99%	★★★★★	Gestation Length (Days)	.87 Day(s)	99%	★★★★★
93%	★★★★★	Dockity (1-5 score)	0.15	99%	★★★★★

Data Reliability: 40% - 60% = Average 20 - 40% = Below Average < 20% = Poor

Sales catalogues

€uro-Star Indexes					
% Rank	Star Rating (within breed)	Indexes & Traits	€uro-Value	Data Reliability	Relative Data Reliability Comment
97%	★★★★★	Suckler Beef Value (SBV)	€ 98	34%	High
9%	★	Weanling Export	€ 40	41%	High
95%	★★★★★	Beef Carcass	€ 129	44%	High
72%	★★★★★	Daughter Fertility	€ -25	2%	Medium
61%	★★★★★	Daughter Milk	€ -95	9%	Medium

Other Key Traits					
48%	★★★★★	Calving Difficulty	5.7%	41%	High
85%	★★★★★	Gestation Length		15%	Medium
86%	★★★★★	Dockity		43%	High

GROW Linear Score Evaluation (Within-Breed Percentiles)					
Animal scored. Linear scores and weaning weights in evaluations					
Width at withers	Narrow	Width	Wide	Muscle	128 64% 88%
Width behind withers	Narrow	Width	Wide	Steeple	124 62% 88%
Lean Development	Thin	Lean	Thick	Function	88 28% 15%
Over the shoulder	Low	Over the shoulder	High		
Depth of ribs	Narrow	Depth of ribs	Wide		
Depth of ribs	Narrow	Depth of ribs	Wide		
Length of back	Short	Length of back	Long		
Length of ribs	Short	Length of ribs	Long		
Length of ribs	Short	Length of ribs	Long		
Width at hips	Narrow	Width at hips	Wide		
Location	Poor	Location	Good		

Feet and Leg Descriptions					
Front leg side view	Straight	Front leg side view	Struck		
Front leg rear view	Turn out	Front leg rear view	Turn in		
Rear leg side view	Turn out	Rear leg side view	Turn in		
Standard deviation	From breed average	Standard deviation	From breed average		

Tully Performance					
Average daily gain (g/day)	2.2	Average daily gain (g/day)	2.2		
Feed efficiency (g/g)	4.3	Feed efficiency (g/g)	4.3		
Dry matter intake (g)	9.4	Dry matter intake (g)	9.4		
Lean muscle depth (mm)	19	Lean muscle depth (mm)	19		
Lean fat depth (mm)	2	Lean fat depth (mm)	2		
End weight (kg)	546	End weight (kg)	546		

Comments					
Dam is consistent breeder of quality progeny. Her previous calf was Blonde supreme Champion at Piltown Show 2009.					

Copyright, Irish Cattle Breeding Federation ICBF, Aug 2010.

- Extra reliability comment
- Info on whether animal was scored
- Linear trait prediction

€uro-Star SBV indexes

- Aims to be an objective assessment of genetic merit of animals after removing the effects of different management
- **BUT...** Differences in indexes between animals must be reflected on farm otherwise no value to using them
- Validation is important

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Validation: Calving performance

AI sires with > 50 progeny recorded

Calving difficulty		
Across breed Star Rating	*	*****
Number of AI bulls	221	132
Average no. of progeny	861	888
Calving difficulty reliability	92	91
Calving difficulty index (%)	12	2
Actual calving difficulty %	9	4
Actual herdmate difficulty %	6	5

Gestation		
Across breed Star Rating	*	*****
Number of AI bulls	60	112
Average no. of progeny	355	89
Gestation reliability %	93	93
Gestation index (days)	5	0
Actual gestation (days)	291	284

5% less serious calving difficulty out on farm

1 week less gestation

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Validation: Weanling performance

AI sires with > 10 progeny through marts

Across breed Star Rating	*	*****
Number of AI bulls	34	81
Average no. of progeny	63	259
Weanling Export Index	-€15	€90
Weanling reliability %	89	92
Average age at sale	227	228
Average weaning weight	269	319
Average herdmate weight	280	314
Average price per kg	€1.58	€1.89
Average herdmate pperkg	175	185

• 50 kg heavier at sale time

• 5kg heavier than herdmates

• Extra 31cents/kg

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Validation: Carcass performance

AI sires with > 10 progeny slaughtered

Across breed Star Rating	*	*****
Number of AI bulls	25	91
Average no. of progeny	52	309
Beef Carcass Index	-€23	€139
Carcass reliability %	80	91
Average age at slaughter	724	693
Average carcass weight	322	391
Average herdmate weight	339	372
Average conformation	R-	R+
Average herdmate conf	R-	R+
Average fat	3+	3
No. of bulls with Tully sons	5	47
No of sons	18	332
pd feed intake	0.18	0.04

• 1 month younger but 69kg heavier

• 2 points better on EUROP scale

• High feed intake in Tully also hitting 1* bulls

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Validation: Daughter Milk

AI sires with > 20 daughters with progeny weaning weights

Across breed Star Rating	*	*****
No. of AI Bulls	53	52
Daughter Milk Index	-€96	€131
Daughter Milk Reliability	70	67
Average no. of progeny mat wwt	104	68
Average no. of herdmatres mat wwt	743	343
Av weight of grandprogeny (kgs)	317	325
AV. herdmatre weaning weight (kgs)	320	317

8kg heavier than 1* sires

8kg heavier than their herdmatres

Level of quality weaning weights recorded very low!!

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Validation: Fertility performance

AI sires with > 10 daughters

Across breed Star Rating	*	*****
No. of AI Bulls	134	152
Fertility Index	-€65	€89
Average no. of progeny	176	103
age 1st Calving (days)	948	907
Maternal calving diff (%)	7	4
herdmatre maternal cdiff (%)	6	4
Calving Interval (days)	408	389
herdmatre calving interval	400	393
Survival (%)	81	87
herdmatre survival (%)	82	83

- lower age 1st calving
- lower calving problems
- shorter calving interval
- Better survival

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Current Tully intake

- 51 Bulls in Test Measured for
 - Liveweight at 3 week intervals
 - Feed intake on a daily basis
 - Ultrasonic muscle and fat depth
- New information then incorporated into indexes

	ADG since birth	Daily DM Feed intake	Ultrasonic Muscle
min	1.06	8.8	62
avg	1.44	10.8	85
max	1.74	13.4	100

	SBV old	SBV new	Change	Carcass old	Carcass new	Change
min	€19	-€15	-€61	-€7	-€30	-€48
average	€102	€99	-€2	€93	€91	-€3
max	€215	€205	€98	€174	€158	€65

23 sires increased in SBV, 26 sires dropped

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Summary

- Indexes validating well for well proven sires
- Low amounts of maternal data
- New developments are ongoing:
 - Across breed Docility evaluations: a worlds first
 - New fertility evaluations incorporating later parities
 - Carcass cut traits from digital imagery
- Farmers should use the figures when selecting AI bulls, stock bulls and replacement heifers
- Use website to track your bulls indexes over time

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Genomics

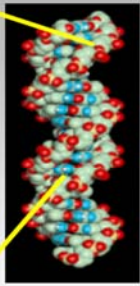
- Biggest advance in animal breeding since AI
- DNA is another source of information in addition to pedigree, performance and progeny
- By looking at the DNA profile of a young animal we can predict with more accuracy how good they will be at breeding

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Genomics

- Use proven bulls to see what constitutes 'good' DNA

Gene	Carcass	Calving	Docility
1	+3	-1	-0.3
2	+2.5	-2	-0.09
3	-0.3	+0.9	+0.3
4	+4	-0.2	-0.54
5	-7	+2	+0.14
⋮	⋮	⋮	⋮
800,000	-14	+3	+1.1



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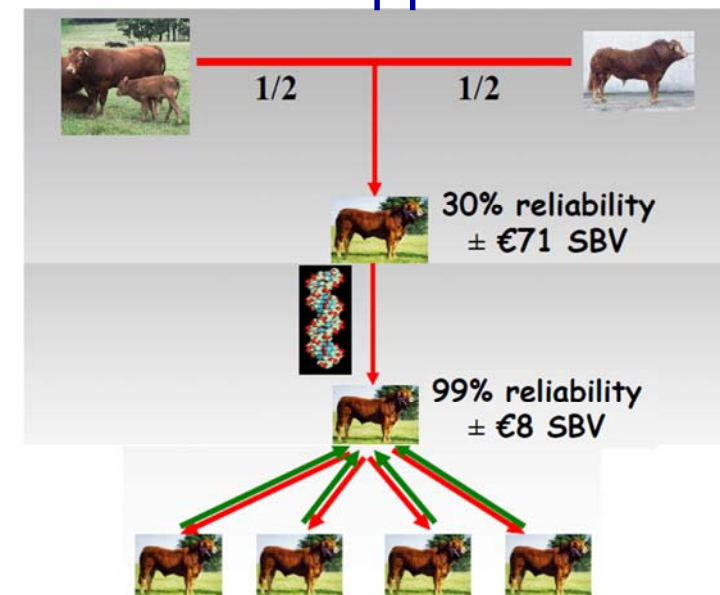
Current Status

- Collecting tissue (semen, blood) from highly proven AI and stock bulls
- List of AI bulls wanted on ICBF website
- Check your AI tanks for wanted bulls €€!!

BREED	AI bulls	Tully bulls	Stock bulls '09	Moorepark	Stock bulls '10	TOTAL	Missing AI bulls	Potential
AA	40	29	9	25	31	134	121	255
AU	2	2	3		1	8	28	36
BA	13	9			1	23	42	65
BB	48	9	1		5	63	118	181
CH	73	73	22	1	126	295	194	489
HE	39	21	10	8	22	100	139	239
LM	71	98	36	1	124	330	157	487
PI	2	3	1			6	23	29
PT	4	4				8	12	20
SA	10	12			2	24	27	51
SI	49	58	15	1	19	142	96	238
TOTAL	351	318	97	36	331	1133	957	2090

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New Approach



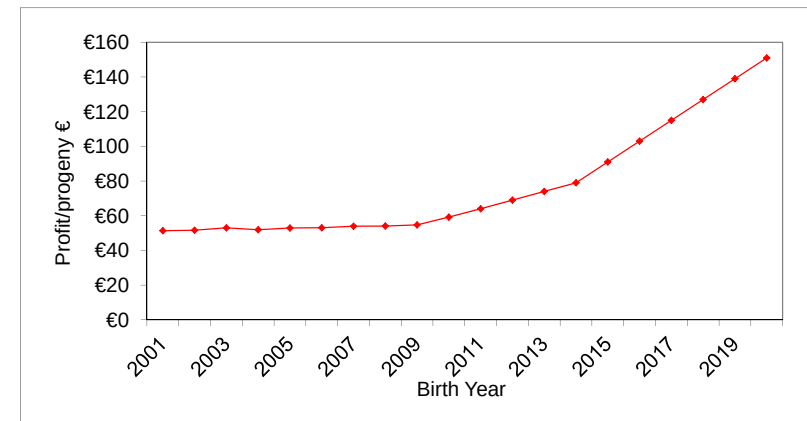
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Implementation

- Once the DNA profiles of proven bulls has been received an analysis will be undertaken to determine the effects of DNA on Euro-Star traits
- Can then estimate how good the DNA of the young calf is and combine with all other information
- Same Euro-Star information but more reliable indexes for stock bulls and young AI bulls (and females)
- Potentially available in end 2011

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Potential - SBV



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G€NE IR€LAND

Niall Kilrane

ICBF OPEN DAY, TULLY
8TH October 2010.

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Background

- ICBF are focused on genetic gain (€ profit).
- Genetic Gain is only €5/year. It could be €20/year – worth €15m/year to farmers.
- 80% of beef calves are from stock bulls.
- Only 55% of stock bulls are AI bred.
- Need to increase the quality of AI bulls and stock bulls
- G€N€ IR€LAND is a focused breeding program



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GENE IRELAND - Breeders

- Best bulls from Tully selected for GENE IRE progeny test.
 - Purchased by AI stations/breeders.
- Nationwide across breed progeny test programme.
- Bulls selected for a combination of maternal and beef traits
- 700 straws per bull. Aim to get 100 daughters per bull
- Bull fully maternally tested in 3 years
- What will your legacy be as a breeder?

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EXAMPLE OF GENE IRELAND BULL

Lot 1 Kilbline_1 Cupidon (Et)		Breed: Charolais	
KLU		DOB: 10-Feb-2007	
Owner: National Cattle Breeding Cntr - Kilcorney Enfield Co. Meath		Male	
Breeder: Ireland - Highfield House Bandon			
Sire: Nevera Rj (NRS)		Gandini	SBV = € 98 (84%)
SBV = € 111 (84%)		Aghafad Laureate	SBV = € 100 (84%)
Dam: Kilbline Utica (Et)		Hermes	SBV = € 143 (88%)
SBV = € 101 (84%)		Kilbline (Imp 98)	SBV = € 100 (84%)
IE21130620038		SBV = € 101 (84%)	Reference: 988810016
Euro-Star Indexes			
%	Star Rating (Within Breed)	Indexes & Traits	€ euro-Value
87%	★★★★★	Buckler Beef Value (SBV)	€ 143 63% High
98%	★★★★★	Weaning Export	€ 112 82% High
98%	★★★★★	Beef Carcass	€ 160 80% High
92%	★★★★★	Daughter Fertility	€ 24 12% Medium
41%	★★★★★	Daughter Milk	€ -79 20% Medium
Other Key Traits			
5%	★	Calving Difficulty	13.3% High
4%	★	Gestation Length	95% High
79%	★★★★★	Docility	93% High
GROW Linear Score Evaluation (Within-Breed Percentiles)			
Animal scored		Linear scores and weaning weights in evaluations	
BLUP Composite (Within Breed)		Reliability	
Head at withers	Medium	Body	Medium
Head behind withers	Medium	Flank	Medium
Lean thickness	Thin	High	High
Body condition	Thin	Low	Low
Length of back	Short	Long	Long
Length of neck	Short	Long	Long
Feet in leg	Thin	Thick	Thick
Legs in leg	Thin	Thick	Thick
Feet and Leg Descriptions			
Head top view	Chin up	Head	Head
Head top view	Chin up	Head	Head
Head top view	Chin up	Head	Head
Head top view	Chin up	Head	Head
Head top view	Chin up	Head	Head
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- BORN FEB 2007
- TULLY NOVEMBER 2007
- IN AI SUMMER 2008
- TESTED ON GI SPRING 2009
- 619 BIRTHS ALREADY
- EXCELLENT REPORTS ON FIRST CALVES

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SUMMARY OF 34 BULLS TESTED

	# BULLS TESTED	AVG SBV	AVG INSEMS	AVG BIRTHS	AVG L. SCORE	AVG DAUGHTERS CALVED
AA	1	89	1334	408	14	0
BA	1	12	341	135	22	0
BB	4	55	470	129	28	0
CH	9	134	1200	751	71	6
LM	11	109	943	489	68	6
PT	1	68	446	138	9	0
SH	1	71	690	424	5	0
SI	6	173	1278	833	102	10
TOTALS	34	89 (4 STAR)	838	413	40	3

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GENE IRELAND REVIEW 2010

- PROGRAM BEGAN IN SPRING 2007
- 726 HERDS TOOK PART IN 2009
- MORE BULLS NEEDED
- COST OF TESTING WAS AN ISSUE
- MORE EMPHASIS ON MATERNAL TRAITS
- NEW LOW COST MODEL DESIGNED
 - MORE BULLS = MORE PROGRESS = MORE GENETIC GAIN

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2010 AUTUMN PANEL

CODE	NAME	BREED	SBV	SBV STARS	MILK STARS
MLJ	MOGEELY JOE	AA	56	5	5
KCE	KILMONEY BRUCE	BA	92	5	3
BCZ	BOHERARD CAPTAIN	BB	137	5	4
CXY	CLOVERFIELD EXCELLENT	CH	150	5	5
DEZ	COTTAGE DEVON	CH	186	5	4
LGL	LISNAGRE ELITE	CH	160	5	2
GHX	GOLDSTAR ECHO	CH	126	5	3
GCT	GOULDINGPOLL CAPTAIN	HE	110	5	5
ADX	ARDLEA DAN	LM	129	5	5
NHL	NETHERHALL EPIC	LM	114	5	3
CZH	CARMORN DAUPHIN	LM	85	3	5
CBQ	CAMBRIDGE	PT	54	2	5
BHU	BALLYMACKEOGH HUGH	SA	121	5	5
LYJ	LISLOY JUMBO	SH	71	5	5

OVERALL AVERAGE IS 5 STAR SBV AND 4 STAR MILK

AUTUMN 2010 PANEL



• AVAIL OF NEW TOP CLASS GENETICS

• €5 PER STRAW

• HIGH INDEX SIRES

• GREEN TAG FOR HEIFERS

• FREE LINEAR SCORING

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