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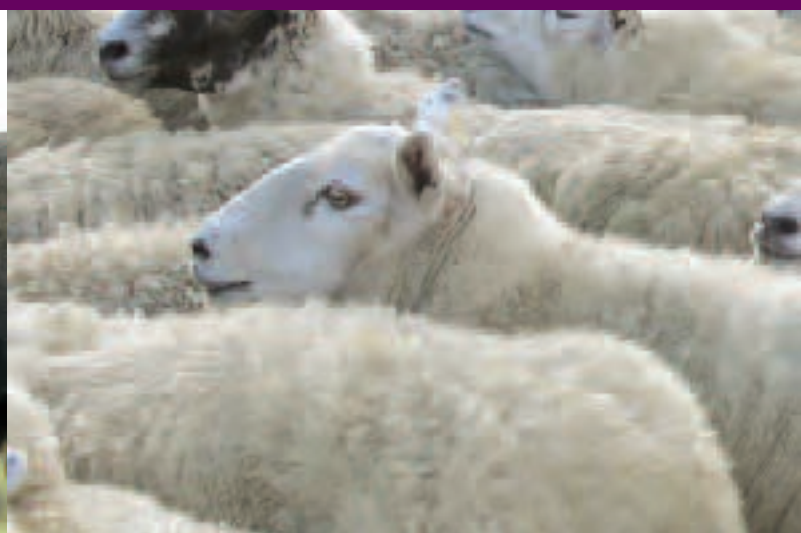
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ICAR

Technical Tour Booklet



ICAR 2012 Conference

Monday 28th May – Friday 1st June 2012

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Dear ICAR guest.

On behalf of the organizing committee I would like to welcome you to our dairy, beef and sheep technical tours.

The objective of each tour is to demonstrate how Irish dairy, beef and sheep farmers are using data and information to improve the profitability of their farming enterprises.

Each of the farmers involved are using a range of data and information services from the ICBF database. Some of these services are provided directly by ICBF and Sheep Ireland (e.g., ICBF HerdPlus and LambPlus) whilst others are provided by shareholders of ICBF (e.g., AI, milk recording and herdbook registrations).

In the course of the each visit, we will give a review of the particular farm that we are visiting, followed by a summary of the key data and information services being used on that farm. We will also aim to highlight how the range of data recording services being used on the farm, are helping to improve the profitability of the farm business. In your respective countries, we hope to provide you, our ICAR guests, with some valuable insights which may prove useful as you endeavor to roll out similar data recording and information systems in your respective countries.

In facilitating farm visits, we are delighted to have the support of the Teagasc Business and Technology (B&T) advisors, who are a key component of our data, knowledge and profitability message at farm level. In addition Munster Cattle Breeding group will join us for the dairy technical tours to demonstrate Electronic DIY milk recording and capture of recording of data through AI handhelds.

Finally, I would like to take the opportunity to thank each of our host farmers, who have kindly allowed us to visit their farms, as part of the ICAR conference program and for participating in the discussion on the farm.

Regards

John

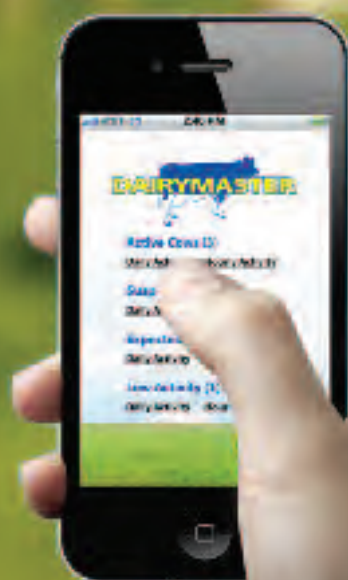
John O'Sullivan,
Chairman of the ICAR
organizing committee.



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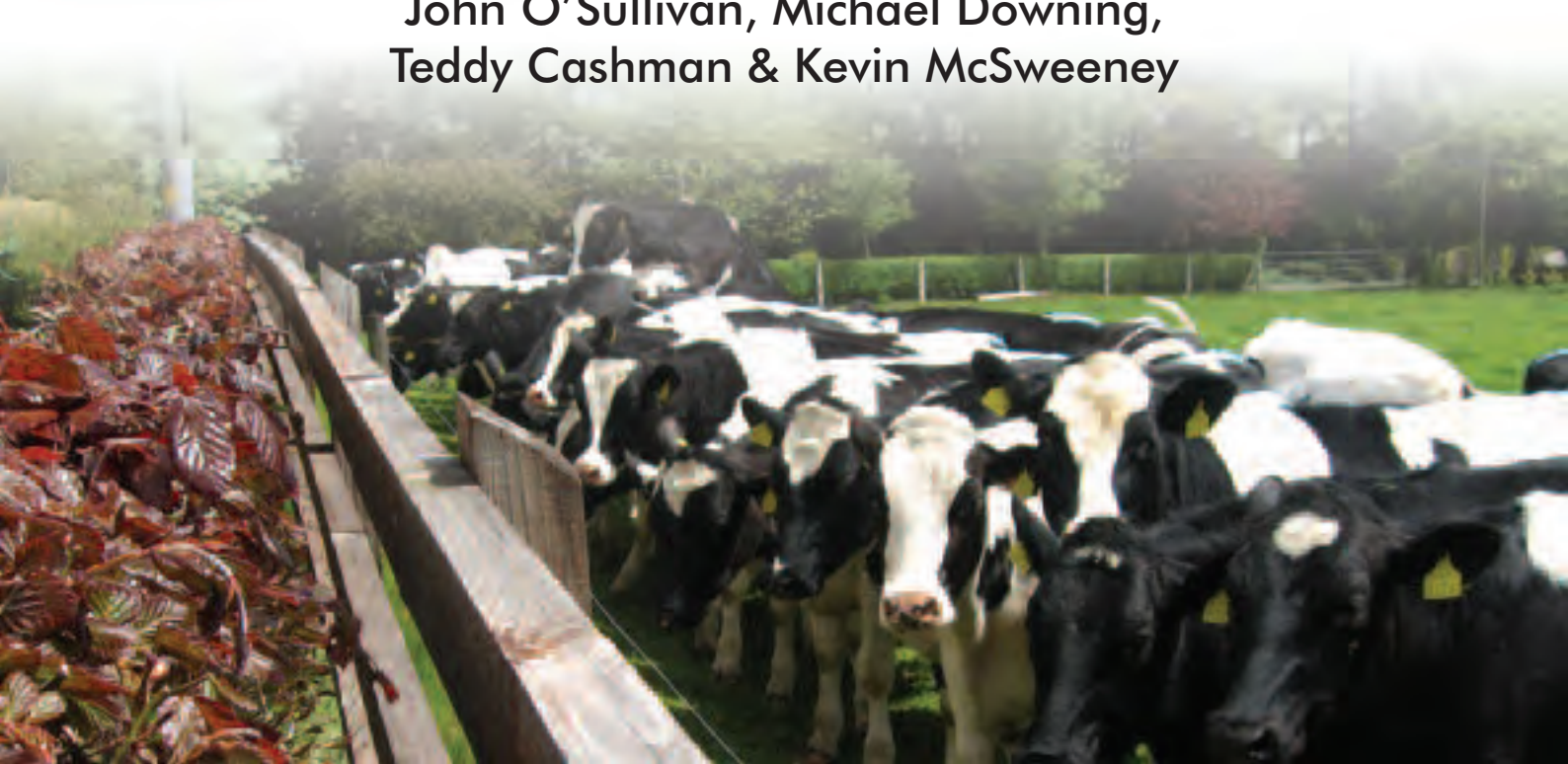
Dairy

Technical Tours

Thursday 31st May 2012

Dairy Tours to the farms of

John O'Sullivan, Michael Downing,
Teddy Cashman & Kevin McSweeney



Visit to the farm of John and Teresa O'Sullivan & family

Lisduff, Whitechurch, Cork



Management Team at Lisduff: John O'Sullivan, David McGrath, John Jnr. O'Sullivan, Victor O'Sullivan & Baxter

The O'Sullivan's have been farming in Whitechurch since the present owner's grandfather returned from the USA in 1918 and bought a holding that forms part of the main farm today. In 1943 the adjoining farm was purchased and the late Sean O'Sullivan started the LISDUFF Herd of pedigree Holstein-Friesians on this farm in 1953. In 1996 both farms were united to form the present home base of 170 acres for the milking herd.

The enterprise has expanded over the years and is currently managed by John O'Sullivan and his sons John and Victor with the assistance of David McGrath. The Herd now consists of 250 cows, with 200 of these on the farm at Lisduff and 50 on another farm 9 kilometres away where milk production commenced in 2011. ICAR visitors will visit the home farm and see the facilities, including the new 32-unit fully automated milking parlour. Production is based on grass supplemented with maize and wheat whole-crop silage and purchased concentrates. All females and some males are registered with the Irish Holstein Friesian Association and the sale of both female and male breeding stock make up a substantial portion of the farms income. The main aims of the enterprise can be summarised as follows:

1. The ongoing aim of producing high value milk as economically and profitably as possible by growing the maximum amount of high quality grass and utilising it effectively.
2. To improve female fertility which is necessary to achieve aim no. 1.
3. To continue to produce high type animals that classify VG or EX
4. To breed animals that are compatible with aims no. 1, 2 and 3 and that have appeal to most other dairy producers and can command high value sales in the market place.
5. To grow the business to maximum (efficient) output after the abolition of quotas in 2015.

We look forward to your visit and hope that you have a pleasant and informative afternoon.

*John and Teresa O'Sullivan
and Family.*

Objectives of visit to O'Sullivan Farm

Overall objective

To establish how the O'Sullivan farm is using data and information to improve the profitability of their farming business.

Components of the farm visit

- To get an overview of the O'Sullivan farm, based on key performance figures.
- To understand how data and technology are improving the profitability of this farm.
 - Overview of key performance figures, including reports.
 - Co-op performance report – Identify strengths & weaknesses.
 - Calving reports - Female fertility. Particular focus on this farm.
 - Milk recording reports – Data for

- breeding, culling & stock sales.
- IHFA catalogue – Selling breeding stock.
- New milking parlour.
- Demonstration of EDIY milk recording & AI.
- To identify the breeding objectives for the O’Sullivan farm and establish how bull and cow selection are contributing to herd profitability.
- EBI reports – Improving the next generation. Bull Selection for 2012.
- Milk solids + female fertility + functional type.
- Role of genomics on this farm.
- Comparison of selected Lisduff cows (including bull mothers and potential bull mothers) with herd average.
- Summary of farm visit.

Key performance figures for Lisduff Farm.

Holstein Cows							
2012		2011					
Farm size (Ha)	142	Milk yield (litres/cow)	7566				
Milking platform, grass Area (Ha)	54	Annual Fat %	3.83				
Annual Protein %			3.37				
Dairy Cows in milk	175	Milk yield (kg MS/cow)	562				
0-1 y.o replacements	138	SCC ('000 cells/ml)	176				
1-2 y.o replacements	138	Concentrates per cow. (Kg/cow/year)	1440				
2+ Years Replacements	45						
Other stock (LU)	50	Grass utilised (Tonne DM/Ha)	9.5				
Stocking rate (LU/ha)	2.90	Grazing Season Days	265				
Milk quota (litres)	1.4M	% cows Spring Calving	60				
Current herd milk performance and feeding							
Milk yield (litres/cow)	26	Target DM Intake (Kgs)	20 +				
Fat %	3.90	Concentrate feeding (kgs/cow/day)	3.75				
Protein %	3.40						
Milk yield (kg MS/cow)	1.95	Grass - % of diet	81				
SCC ('000 cells/ml)	100	Silages - % of diet	0				
Herd Fertility Performance: 2011 and 2012 to date							
2011		2012					
Median Calving Date	23/2/11	Start of calving	1/1/12				
3 week submission rate (%)	32	6 week calving rate (%)	57				
6 week in-calf rate (%) ¹	41	Median calving date	10/2/12				
Breeding season length (days)	104	% calved before April 1st	43				
Empty rate (%)	15	Heat detection aids used	Tail Paint				
Teagasc Profit Monitor 2011 . Costs and Profits							
	(C/L)		(C/L)				
Milk Price	36.8	Overhead Costs	10.08				
Purchased feed	7.6	Total Costs	24.61				
Vet and breeding (A.I.)	2.35	Net Margin	14.85				
Total variable Costs	14.52	Target Margin	15.0				
Genetics for Profit (Farm EBI Report)							
(from latest EBI report)	Cows	Breeding heifers	2012 Calves				
EBI (€)	€51	€80	€87				
Milk SI (€)	€50	€55	€63				
Fertility SI (€)	€0	€19	€16				
Bull Selection 2012							
AI code	EBI (€)	Milk SI (€)	Fertility SI (€)	Milk Kgs	Fat%	Prot %	Kgs Solids
Wght Avg	€131	€84	€33	451	-.01	.04	32.8

Bulls used: Guarini (ITA), Cogent Twist (GBR), Cordes Maid Stonewall (USA), Pirollo Gold Wyman (USA) & Gormez Lee (IRE).



Dairy Herd Performance Report

Jan - Dec 2011

Herd Owner: JOHN J O'SULLIVAN
 Designator: IE1510112 / D269039X
 Supplier Number: 550170 / Liquid



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Table 3: Dairygold/ICBF Performance Score Card

	Your Herd	Dairygold Average	Dairygold Top 10%	Your Rank out of 100	Your Star Rating
Milk performance for 2011 (Jan - Dec) based on Dairygold data					
Fat + Protein (Kg/cow) Average Fat and Protein yield per cow for your herd	516	421	491	94%	★ ★ ★ ★ ★
Litres per Cow per Day Avg litres of Milk per cow from Jan - Dec 2011	19.08	15.15	18.3	97%	★ ★ ★ ★ ★
Fat % to end December 2011 Weighted average Fat % from Jan - Dec 2011	3.83	3.87	4.14	23%	★ ★
Protein % to end December 2011 (Weighted average Protein % from Jan - Dec 2011)	3.37	3.4	3.51	40%	★ ★
Average Milk Price (cpl) incl. VAT Average milk price received from Jan - Dec 2011. (Includes Bonuses/Penalties. Excludes Leases)	36.8	26.6	37.7	83%	★ ★ ★ ★ ★
SCC (,000 cells/ml) The weighted average Somatic Cell Count for Jan - Dec 2011	176	N/A	140	77%	★ ★ ★ ★ ★
Fertility & Calving data based on HerdPlus 2011 Calving Report					
Calving Interval (days) Average number of days between successive calvings for cows calved during the period	438	413	381	23%	★ ★
Days to calve 50% of cows Start 02/01/2011 - Median 23/02/2011	63	64	30	53%	★ ★ ★
Total Dairy Replacements Dairy Females born in the period (95) as a proportion of eligible cows (178)	53%	33%	48%	97%	★ ★ ★ ★ ★
%AI bred replacements Female calves born in the period from dairy AI (95) as a proportion of eligible cows (178)	63%	20%	43%	100%	★ ★ ★ ★ ★
EBI Statistics based on the latest HerdPlus EBI report 2012					
Herd EBI (2012) Average EBI for Cows (247) with EBI data	€ 37	€ 77	€ 102	18%	★
Yearly EBI Gain (2012-2013) Gain in Herd EBI based on: 0-1yr old 1-2yr old & 22% replacement rate	€ 10	€ 5.1	€ 8	94%	★ ★ ★ ★ ★
EBI of 2011 Inseminations Weighted Average EBI of dairy AI bulls recorded in Spring 2011	€ 137	€ 187	€ 217	12%	★
Table of Terms					
Dairygold Average	The average performance of Participating Dairygold Liquid Suppliers				
Dairygold Top 10%	The top 10% cut off point of Participating Dairygold Liquid Suppliers				
Your Rank out of 100	Your performance expressed across all Dairygold herds eg. 1% = Bottom Supplier, 50% = Average Supplier 100% = Top Supplier				
Your Star Rating	Your performance is displayed in stars e.g. 1 star is bottom 20% and 5 stars = top 20%				
Eligible Cows	Number of dairy cows in the herd on December 2011				
★ = 0 - 20% ★★ = 21 - 40% ★★★ = 41 - 60% ★★★★ = 61 - 80% ★★★★★ = 81 - 100%					



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Dairy Calving Statistics (01/07/2011 --- 02/05/2012)

Herd Owner: JOHN J O'SULLIVAN

Herd Number: IE1510112

Print Date: 02/05/2012

Page: 1(3)

(a). Summary Data - Report is based on dairy cows that calved between 01/07/2011 and 02/05/2012. (Embryo dates excluded)**Spring Calving Dates**

	Start Calving	Median Calving ¹	Last Calving	Calving Period	Avg Age Calving
Cows	01/01/2012	08/02/2012	23/04/2012	16 weeks + 1 days	5y 6m
Heifers	02/01/2012	01/02/2012	14/04/2012	14 weeks + 5 days	2y 4m

	All			Heifers			Eligible Cows ²	
	Total	Male	Female	Total	Male	Female		
Total Calves born	250	94	156	89	20	69	Total Dairy Calvings	245
Calves Live at Birth	231	88	143	82	19	63		
Calves Dead at Birth	19	6	13	7	1	6		

(b). Top 5 Key Performance Indicators (KPI's)

	Your Herd	Nat Avg	Btm. 5%	Top 5%
1. Calving Interval (days) Average number of days between successive calvings for most calving dates (two periods) (157)	441 days	403 days	464 days	364 days
2. Spring 6 Week Calving Rate Number of cows calved within the first 6 weeks (7%) as a proportion of all cows calved during the Spring (121)	59%	52%	19%	81%
3. Calves per cow per year³ Number of live calves at 28 days (147) that were born to eligible cows (221)	0.67	0.85	0.63	1.1 calves per cow
4. Females not calved in Period Number of cows in the herd on 02/05/2012 that did not have a calving in the period (49) as a proportion of eligible cows (221)	22%	11%	26%	0%
5. Current Replacements rate Number of 1st calving cows on 02/05/2012 (64) as a proportion of eligible cows (221)	29%	25%	Not Applicable	Target 15-22%

Explanatory Notes

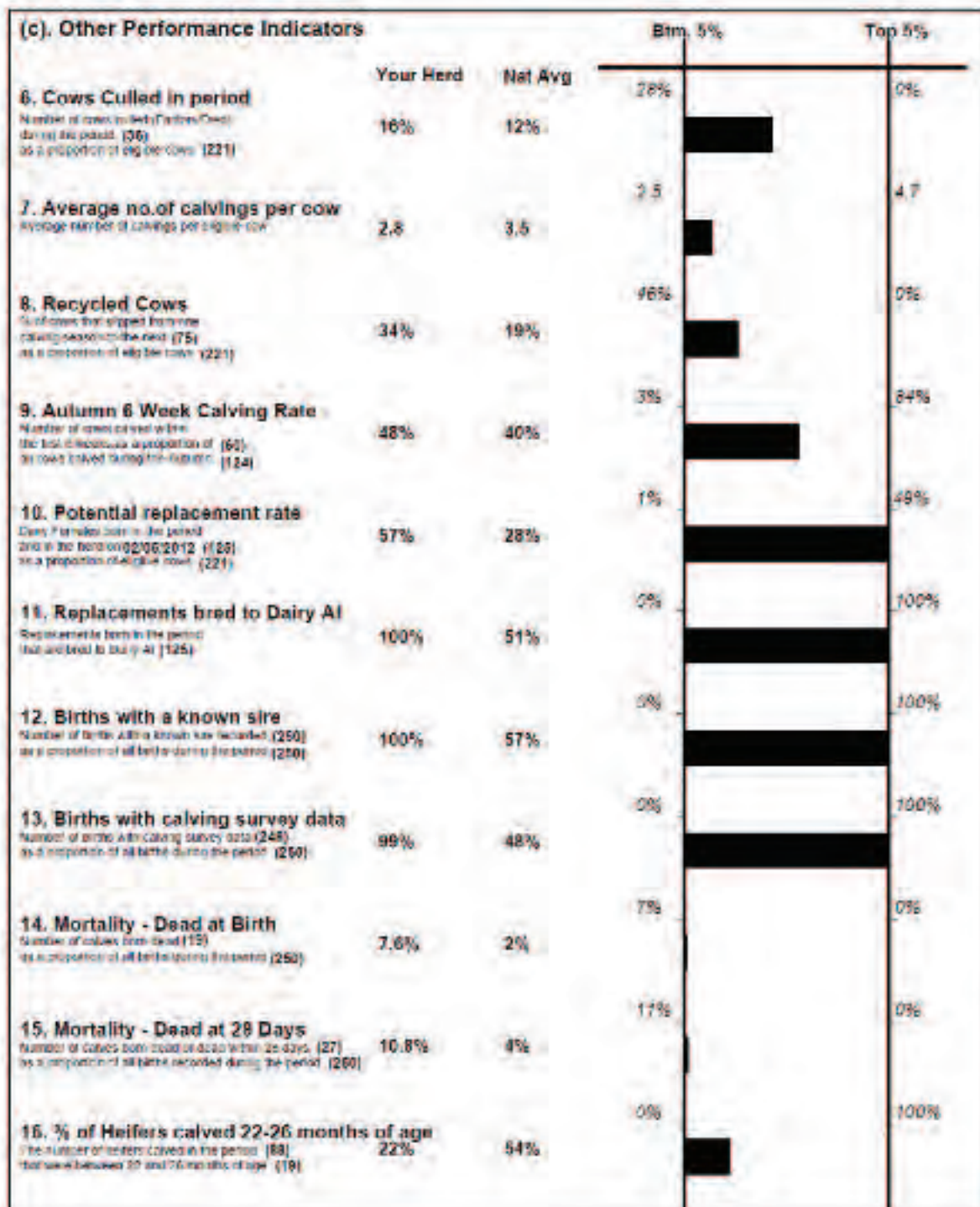
- Median Calving Date:** Date on which 50% of your cows have calved
- Eligible Cows:** Number of dairy cows in the herd on 02/05/2012
- Calves per cow per year:** Number of calves born to eligible cows & live at 28 days / eligible cows.



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Dairy Calving Statistics (01/07/2011 --- 02/05/2012)

Herd Owner: JOHN J O'SULLIVAN
Herd Number: IE1510112
Print Date: 02/05/2012
Page: 2(3)



Milk Recording Annual Farm Report

PROGRESSIVE GENETICS
KYLEMORE ROAD
BLUEBELL
DUBLIN
D14502142

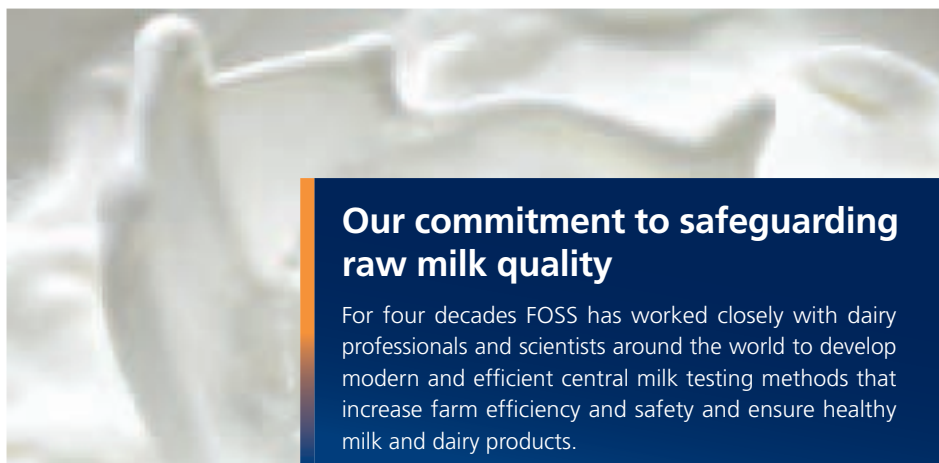
Herd Owner: JOHN J O SULLIVAN
Herd No: IE1510112
Print date: 27-MAR-12
Report Period: 01-JAN-2011 - 31-DEC-2011

1. Production Summaries - Valid Lactations

Only animals that have had a valid lactation are included in these summaries. A valid lactation is one that was : (i) completed on the farm during the 12 month period (ii) has a valid lactation end reason (i.e. either dried off or completed 305 days) and (iii) has a minimum lactation length of 150 days.

Group	No. of cows	Average days in milk	Completed Lactations Only							SCC	EE €
			M Kg	M Gal	F%	P%	F Kg	P Kg	F+P Kg		
Overall	188	385	10655	2342	4.01	3.45	440	375	815	153	37
		305	8185	1852	3.96	3.38	354	311	675		
		CI: 438									
1st Lactation	57	422	10630	2279	3.94	3.43	421	366	787	94	46
			8197	1751	3.86	3.34	317	273	590		
2nd Lactation	53	362	10353	2214	3.92	3.45	407	357	764	75	31
			8412	2010	3.80	3.31	357	321	687		
		CI: 420									
3rd Lactation	24	404	11913	2546	4.20	3.61		418	922	134	41
			10029	2142	4.16	3.44	417	345	762		
		CI: 457									
4+ Lactation	52	407	11455	2445	4.07	3.44	457	394	855	293	10
			8645	2051	4.03	3.37	389	325	714		
		CI: 443									
Winter	71	415	11905	2548	4.02	3.43	479	409	890	126	35
			9733	2079	3.88	3.35	355	328	711		
		CI: 441									
Spring	115	382	10385	2218	4.01	3.46	415	359	775	172	38
			8845	1890	3.97	3.41	351	301	652		
		CI: 436									

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FULL PEDIGREE HO (100%) Female

LOT 1

Lisduff Mary 68 EBI € 212

22-Nov-2010

IE151011223063 (3063)

Overall Indexes	EBI	EBI Rel	Milk	Fertility	Calving	Beef	Health	Maintenat
	€ 212	62%	€ 61	€ 125	€ 55	€ 11	€ 0	€ 5

Milk Traits	Milk Kg	Fat Kg	Prot Kg	Fat %	Prot %
	280	15.44	11.25	0.06	0.04

Productivity Traits	CI	Survival
	-7.2(days)	3.3(%)

Type Traits	Overall	Feet/Legs	Udder
	1.10	1.08	0.81

Owner John J O'Sullivan, Lisduff, Whitechurch, Co Cork

Breeder John J O'Sullivan, Lisduff, Whitechurch, Co Cork

Sire

Radon (RDO) € 130

by **Ramos (RXO)**

Donor

Lisduff Mary 36 EX 90 IE151011252241 (1426) € 137 by **O Bee Manfred Justice (OJI)**

Milk Kgs	BF%	PR%	BKgs	PKgs	SCC	Days	Lact	Calving Date
8896	3.91	3.28	348	292	49	305	1	04-10-09
10189	3.87	3.25	395	331	105	305	2	22-11-10
6346	4.11	3.08	261	195	37	177	3	01-11-11

G Dam

Lisduff Mary 18 VG 86 RI09889690 (1120)

by **Manghla Storm ET (MEO)**

Milk Kgs	BF%	PR%	BKgs	PKgs	SCC	Days	Lact	Calving Date
7680	4.70	3.59	361	276	160	305	1	16-03-02
7865	4.89	3.33	384	279	166	305	2	02-04-03
8121	4.50	3.38	365	275	202	249	3	14-04-04
9719	4.66	3.32	455	342	96	305	4	01-04-05
9655	4.39	3.45	462	335	228	305	5	16-04-06

3rd Dam

Lisduff Mary 5 ET GP 84 0108853835 (929)

by **Besue Buck (BBF)**

Milk Kgs	BF%	PR%	BKgs	PKgs	SCC	Days	Lact	Calving Date
8795	4.68	3.45	412	303	170	305	1	01-01-98
8933	4.62	3.59	414	321	73	290	2	02-01-99
10034	4.73	3.49	475	359	66	305	3	01-01-00
8795	4.51	3.44	396	302	62	298	4	23-03-01
9524	4.77	3.30	455	314	118	305	5	07-02-03
9150	4.57	3.28	418	300	146	305	7	25-03-04
8449	4.71	3.45	398	292	79	291	8	01-05-05

4th Dam

Creva Mary 35 L1 VG 85 0108180028

by **Pennsprings Mr C (PSM)**

Milk Kgs	BF%	PR%	BKgs	PKgs	SCC	Days	Lact	Calving Date
7511	4.42	3.37	325	261	95	305	1	18-01-94
7419	5.08	3.34	377	263	138	305	2	11-02-95
8290	5.40	3.43	448	284	338	305	3	01-07-96
9016	5.24	3.32	472	317	790	305	4	15-08-97
10675	4.89	3.22	522	344	176	305	5	22-11-98
8575	4.93	3.50	423	300	658	305	6	02-03-00
7241	4.55	3.58	329	259	2017	305	7	05-03-01



LoCall 1850 600 900

Economic Breeding Index (EBI) Herd Summary April 2012

Herd Owner: JOHN J O'SULLIVAN

Herd Number: IE1510112

Data Extracted: 27/02/2012

1. EBI Herd Summary

Average EBI for all dairy cows with: (i) a known sire (or milk recorded progeny with a known sire) and (ii) are currently on your farm.

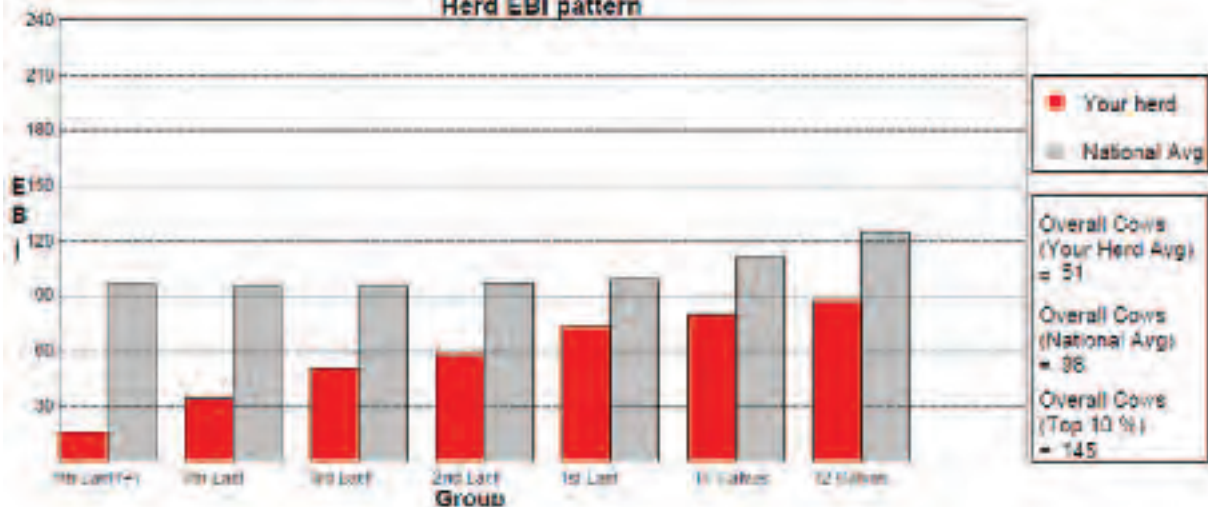
* Number of animals with any missing (or EBI) equal

Animal Group	Num of Cows	Milk Kg	Fat %	Prot %	Surv% @ Days	Milk % Contrib	Fertility % Contrib	Calving % Contrib	Beef % Contrib	Mainten. % Contrib	Health % Contrib	EBI €
Cows with EBI	221	381				€ 50.2	€ -0.2	€ 16.7	€ -8.0	€ -0.1	€ 1.5	€ 51
Missing EBI	0	10.2	-0.07	0.9		58.7%	-0.2%	19.5%	-10.3%	-9.5%	1.8%	
Total Cows	221	11.6	-0.01	0.9								
1st Lactation	71	328				€ 46.7	€ 23.1	€ 19.1	€ -12	€ -7.1	€ 3.4	€ 73
		8.0	-0.06	1.2		41.9%	20.7%	17.1%	-10.8%	-8.4%	3.1%	
		10.7	0	-0.7								
2nd Lactation	48	389				€ 52.4	€ 1.4	€ 18.5	€ -8.2	€ -8.1	€ 2.1	€ 58
		10.5	-0.07	0.9		57.8%	1.5%	20.4%	-9%	-8.9%	2.3%	
		12.3	-0.01	0.8								
3rd Lactation	38	418				€ 54.2	€ -5.4	€ 16.9	€ -6.5	€ -9.9	€ 1.4	€ 51
		10.5	-0.09	0.8		57.5%	-5.7%	17.9%	-6.9%	-10.5%	1.5%	
		13.0	-0.01	1.3								
4th Lactation	25	433				€ 57.8	€ -20.5	€ 12.8	€ -6.6	€ -9.5	€ -0.2	€ 34
		12.8	-0.06	0.6		53.8%	-19.1%	11.9%	-6.1%	-8.8%	-0.2%	
		13.4	-0.01	2.3								
5th Lactation (+)	39	397				€ 45.2	€ -26.3	€ 12.4	€ -7.1	€ -7.3	€ -1.3	€ 16
		10.3	-0.08	0.3		45.4%	-26.4%	12.4%	-7.1%	-7.3%	-1.3%	
		11.3	-0.03	2.6								

2. Dairy Youngstock

12 Calves	65	416				€ 63.1	€ 16.2	€ 22.2	€ -10.6	€ -7.8	€ 4.1	€ 87
Missing EBI	0	12.2	-0.07	1.2		50.8%	13.1%	17.9%	-8.5%	-6.3%	3.3%	
Total Calves	65	14.1	0.01	-0.2								
11 Calves	123	340				€ 54.9	€ 19.6	€ 20.5	€ -9.7	€ -8.9	€ 3.8	€ 80
Missing EBI	0	10.6	-0.06	1.2		46.8%	16.7%	17.5%	-8.3%	-7.6%	3.2%	
Total Calves	123	12.3	0.01	-0.4								

Herd EBI pattern



Genomic Evaluation Report								
Jumbo	2692				Lact. No			
Tag	IE151011222692				Sex	F		
Name	LISDUFF LETALE 15 ET				Sire	OJI (E251)		
DOB	10-Aug-2009 1y 9m				Dam	IE151011282013 (E122)		
Breed	HO (100%)				Dam's Sire	RUJ (E142)		
Date of Evaluation	18-May-2011							
	Official Genomic Evaluation	Reliability	Weighting on Genomics	DNA Value	Parent Average Evaluation	Reliability	Diff. from Parent Avg	Increase in Reliability
Index								
EBI €	219	64%	45%	207	185	35%	+33	20%
Milk Sub Index €	85	71%	52%	71	94	40%	-9	31%
Fertility Sub Index €	107	58%	38%	108	65	32%	+42	26%
Calving Sub Index €	35	64%	45%	34	38	36%	-3	28%
Beef Sub Index €	-10	59%	40%	-8	-4	33%	-8	26%
Maintenance Sub Index €	-3	58%	40%	-3	-8	31%	+5	27%
Health Sub Index €	5	68%	52%	6	3	34%	+2	34%
Milk Sub Index								
Milk (Kg)	338	71%	52%	278	499	40%	-161	31%
Fat (Kg)	17.8	71%	52%	15.8	18.3	40%	-0.5	31%
Protein (Kg)	15.6	71%	52%	12.9	19.3	40%	-3.7	31%
Fat (%)	0.09	71%	52%	0.1	-0.01	40%	+0.1	31%
Protein (%)	0.08	71%	52%	0.07	0.03	40%	+0.05	31%
Fertility Sub Index								
Calv Int (Days)	-5.71	59%	39%	-5.83	-3.13	32%	-2.58	27%
Survival (%)	3.26	56%	35%	3.23	2.32	32%	+0.94	24%
Calving Sub Index								
Dir. Calv Diff (%)	1.86	67%	40%	2.12	1.48	37%	+0.37	30%
Mat. Calv Diff (%)	9.06	61%	38%	8.72	8.46	36%	+0.6	25%
Gest Len (Days)	-3.07	85%	48%	-2.98	-2.9	35%	-0.17	30%
Calf Mort (%)	-0.91	53%	30%	-0.85	-1.08	32%	+0.17	21%
Beef Sub Index								
Cut Cow Weight (Kg)	1.89	58%	40%	1.88	5.55	31%	-3.66	27%
Carcass Weight (Kg)	-1.76	60%	41%	-1.23	1.78	33%	-3.52	27%
Carcass Conf (Grade)	-0.81	60%	41%	-0.77	-0.75	33%	+0.06	27%
Carcass Fat (%)	-0.02	58%	37%	0	-0.09	33%	+0.06	26%
Maintenance Sub Index								
Cut Cow Weight (Kg)	1.89	58%	40%	1.88	5.55	31%	-3.66	27%
Health Sub Index								
Lameness (Locomotion)	-0.17	52%	37%	0	-0.45	24%	+0.28	28%
Udder (SCC)	-0.09	70%	50%	-0.1	-0.08	35%	+0.03	35%
Explanatory Notes:								
Official Genomic Evaluation = the new official index based on combining the DNA information with the parental average information. DNA Value = the index based on DNA information only.								
Weighting on Genomics = the percentage of the official evaluation that is based on DNA information.								
For more information on Genomics terminology see attached sheet or on relevant section of our website www.icbf.com								

Visit to the farm of Michael & Kevin Downing

Whitechurch, Cork



The Downing Farm has a proud history of achievement in dairy farming and assisting the development of the dairy farming industry. They have been part of their co-op's monitor farm program and have won many milk quality and farming awards.

Kevin farms in partnership with his father Michael and are ably assisted on the farm by herd manager Tom Carr who has been with the Downings for almost 30 years. The farm comprising of 70.4 hectares, is situated 10 km north of Cork city at an altitude of 600 feet above sea level. They also farm 19.6 hectares of rented land, which is 1 km from the home farm.

The herd has just completed the transition from split calving (60/40 Spring/Autumn) to 100% Spring calving. There are currently 124 cows milking in the herd and 100% Dairy AI is used each year with a focus on improving herd fertility while maintaining the current high milk constituents.

All females are reared as replacements with the top EBI heifers kept each year to achieve a replacement rate of ~20% with surplus stock sold as in-calf heifers. Bull calves are sold at 2-3 weeks of age with the top EBI male calves reared each year for sale as stock bulls.

The main aims of the farm are to

1. Improve grassland productivity through improved conversion of grass dry matter into milk solids.
2. Improve the calving pattern on farm to achieve 80% calving in the first 6 weeks.
3. To continue to produce the best quality and profitable breeding stock.
4. Plan for future expansion post 2015.

Wishing all the ICAR delegates a happy and memorable stay in Ireland

Slán agus go n-éirí an t-ádh leat.

Kevin & Michael.

Objectives of visit to Downing Farm

Overall objective

To establish how the Downing farm is using data and information to improve the profitability of their farming business.

Components of the farm visit.

- To get an overview of the Downing farm, based on key performance figures.
- To understand how data and technology are improving the profitability of the farm.
 - Overview of key performance figures, including reports.
 - Co-op performance report – Identifying strengths & weaknesses.
 - Calving reports & female fertility. Particular focus on this farm.
 - Breeding charts.
 - Grass budgeting.
- To identify the breeding objectives for the Downing farm and establish how bull and cow selection are contributing to herd profitability.

- EBI reports – Improving the next generation. Bull Selection for 2012.
 - Breeding Objective: Female fertility + Milk solids.
- Role of genomics on this farm.
- Comparison of selected Parkduv cows (including bull mothers and potential bull mothers) with herd average.
 - Summary of farm visit.

Key performance figures for the Downing Farm

Farm Details: Spring Milk production, from 124 Holstein Cows.

2012		2011	
Farm size (Ha) (Rented)	90 Ha (19.6 Rented)	Milk yield (litres/cow) (Co-op + Calves /Av No Cows)	6293
Milking platform, grass Area (Ha)	70Ha (62Ha, '12)	Annual Fat %	4.34
		Annual Protein %	3.57
Dairy Cows in milk	124	Milk yield (kg MS/cow)	513
0-1 y.o replacements	52	SCC ('000 cells/ml)	131
1-2 y.o replacements	53	Concentrates per cow. (Kg/cow/year)	420
Other stock (LU)	10	Grass utilised (Tonne DM/Ha)	10.5
Stocking rate (LU/ha)	2.3 LU/Ha	Grazing Season Days	280
Milk quota (litres)	800,000	% cows Spring Calving	100

Current herd milk performance and feeding.

Milk yield (litres/cow)	30	Target DM Intake (Kgs)	18
Fat %	3.95	Concentrate fed (kgs/cow/day)	3.0
Protein %	3.31		
Milk yield (kg MS/cow)	2.25	Grass - % of diet	83
SCC (cells/ml)	62,000	Silages - % of diet	0

Herd Fertility Performance: 2011 and 2012 to date

2011/12		2012	
Start Breeding	12/4/12	Start of calving	14/1/12
3 week submission rate (%)	83	6 week calving rate (%)	58
6 week in-calf rate 2011 (%)	60	Median calving date	19/2/12
Breeding season length (days)	91	% calved before April 1st	90
Empty rate 2011 (%)	12	Heat detection aids used	Tail Paint

Teagasc Profit Monitor 2011. Costs and Profits

	(C/L)		(C/L)
Milk Price	38.60	Overhead Costs	12.5
Concentrates	1.70	Total Costs	20.74
Vet and breeding (A.I.)	1.61	Net Margin	19.34
Total variable Costs	8.24	TARGET COSTS	20.00

Genetics for Profit (Farm EBI Report)

(from latest EBI report)	Cows	Breeding heifers	2012 Calves
EBI (€)	€137	€158	€166
Milk SI (€)	€51	€54	€59
Fertility SI (€)	€74	€94	€94

Bull Selection 2012

AI code	EBI (€)	Milk SI (€)	Fertility SI (€)	Milk Kgs	Fat%	Prot %	Kgs Solids
Wght Avg	€229	€75	€131	163	0.18%	0.12%	32.2

Bulls used include: Parkduv Mark (IRE), Lauragh Evert (IRE), Ballybride Aristotle (IRE), Lauragh Lance (IRE), Moorepark Horan (IRE), Fowlerstan Stan (IRE).



Dairy Herd Performance Report

Jan - Dec 2011

Herd Owner: KEVIN DOWNING

Designator: IE1510137 / D2890749

Supplier Number: 550040 / Winter



LoCall 1850 600 900

Table 3: Dairygold/ICBF Performance Score Card

	Your Herd	Dairygold Average	Dairygold Top 10%	Your Rank out of 100	Your Star Rating
Milk performance for 2011 (Jan - Dec) based on Dairygold data					
Fat + Protein (Kg/cow) Average Fat and Protein yield per cow for your herd	512	448	527	81%	★ ★ ★ ★ ★
Litres per Cow per Day Avg litres of Milk per cow from Jan - Dec 2011	17.24	16.02	19	82%	★ ★ ★ ★ ★
Fat % to end December 2011 Weighted average Fat % from Jan - Dec 2011	4.34	3.99	4.19	100%	★ ★ ★ ★ ★
Protein % to end December 2011 Weighted average Protein % from Jan - Dec 2011	3.57	3.46	3.57	95%	★ ★ ★ ★ ★
Average Milk Price (cpl) Incl. VAT Average milk price received from Jan - Dec 2011. (Includes Bonuses/Penalties. Excludes Levies)	38.6	37.3	39.1	81%	★ ★ ★ ★ ★
SCC (.000 cells/ml) The weighted average Somatic Cell Count for Jan - Dec 2011	131	n/a	128	90%	★ ★ ★ ★ ★
Fertility & Calving data based on HerdPlus 2011 Calving Report					
Calving Interval (days) Average number of days between successive calvings for cows calved during the period	434	427	400	43%	★ ★ ★
Days to calve 50% of cows Start 21/01/2011 - Median 28/02/2011	99	48	29	81%	★ ★ ★ ★ ★
Total Dairy Replacements Dairy Females born in the period (53) as a proportion of eligible cows (131)	40%	39%	52%	52%	★ ★ ★
%AI bred replacements Female calves born in the period from dairy AI (53) as a proportion of eligible cows (131)	40%	28%	40%	90%	★ ★ ★ ★ ★
EBI Statistics based on the latest HerdPlus EBI report 2012					
Herd EBI (2012) Average EBI for Cows (112) with EBI data	€ 121	€ 71	€ 100	95%	★ ★ ★ ★ ★
Yearly EBI Gain (2012-2013) Gain in Herd EBI based on: 0-1yr old 1-2yr old & 22% replacement rate	€ 6	€ 4.5	€ 9	75%	★ ★ ★ ★
EBI of 2011 Inseminations Weighted Average EBI of dairy AI bulls recorded in Spring 2011	€ 201	€ 166	€ 207	67%	★ ★ ★ ★ ★
Table of Terms					
Dairygold Average	The average performance of Participating Dairygold Winter Suppliers				
Dairygold Top 10%	The top 10% cut off point of Participating Dairygold Winter Suppliers				
Your Rank out of 100	Your performance expressed across all Dairygold herds eg. 1% = Bottom Supplier, 50% = Average Supplier 100% = Top Supplier				
Your Star Rating	Your performance is displayed in stars e.g. 1 star is bottom 20% and 5 stars = top 20%				
Eligible Cows	Number of dairy cows in the herd on December 2011				
★ = 0 - 20% ★★ = 21 - 40% ★★★ = 41 - 60% ★★★★ = 61 - 80% ★★★★★ = 81 - 100%					



LoCall 1850 600 800

Weekly Fertility Report Spring 2012

Herd Owner: KEVIN DOWNING

Herd Number: IE1510137

Mating Start Date (MSD): 12/04/2012 12/04/2012

Cows Heifers

Report Date: 21/05/2012

(a). Calving Summary Data - Report is based on dairy cows that calved from 14/01/2012

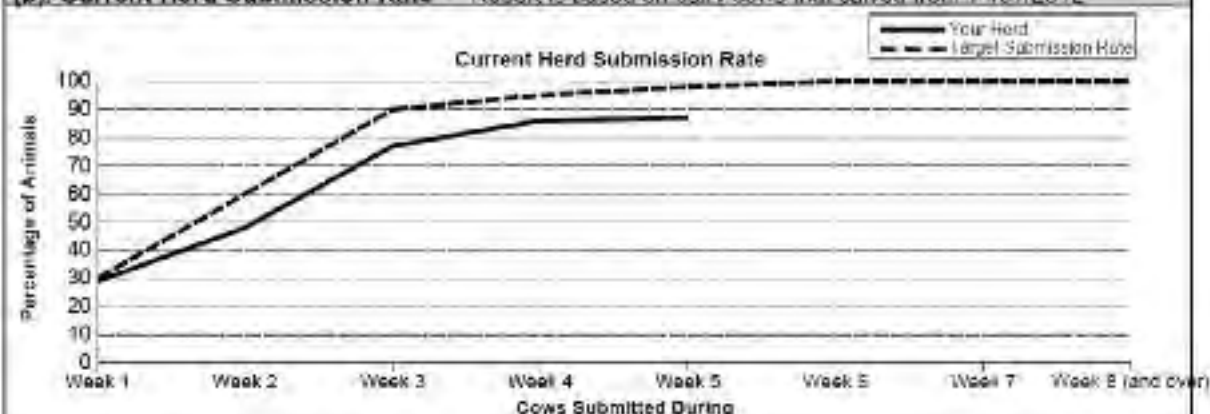
	Spring Dairy Calving Dates	
	Start Calving	Median Calving ¹
Cows	14/01/2012	19/02/2012 (37 days)
Heifers	07/01/2012	21/01/2012 (15 days)
Herd	07/01/2012	11/02/2012 (36 days)

Total Dairy Calvings	124
Total Dairy Calves Born	126

	Spring Dairy Calving Pattern	
	Num. Calved (%)	Top 15% ²
Week 3	20 (16%)	45%
Week 8	72 (58%)	73%
Week 9	87 (78%)	88%

Explanatory Notes¹ Median Calving: Date on which 50% of cows/heifers have calved as a percentage of cows/heifers calved on report date.² Top 15%: This figure relates to the National Top 15% of Spring Calving Dairy Herds.

(b). Current Herd Submission Rate - Report is based on dairy cows that calved from 14/01/2012

**(c). Key Performance Indicators (KPI's)**

Days since Mating Start Date:	Cows		Maiden Heifers	
	40	40	Your Herd	Top 15%
1. 21-day Submission rate				
Cows/heifers submitted for mating within 21 days of MSD (37 cows/49 heifers) as a percentage calved up to 21 days after MSD (100 dairy cows = 100%; 100 dairy heifers = 100%)				
	77%	76%	82%	92%
2. 42-day Submission rate				
Cows/heifers submitted for mating within 42 days of MSD as a percentage calved up to 42 days after MSD				
		81%		98%
3. Cows calved >30 days and not bred				
% of cows calved greater than 30 days of MSD (80) and (not yet) submitted within 21 days of MSD (100)				
	13%	13%		
4. 6 Week Repeat rate				
Cows/heifers with more than one service as a percentage of cows/heifers served in the 6 weeks				
		40% *		30% *

* This is a target figure as many farmers do not record stock but serves, therefore the top 15% would not be accurate.



HerdPlus
Profit through Science

Dairy Herd Breeding Chart

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057 07:00:07

Year 2012



Cow Tag	Cow #	Cow ID	Cow Details								Proposed Mils			Service Information										
			Milk	Feet	Cow's Sex	Milk Source	Lead	Dew	Calf	TA	Bull 1	Bull 2	Bull 3	Pre-Serve		First		Second		Third		Fourth		Flag
														Feet	Date	Date	Bull	Date	Bull	Date	Bull	Date	Bull	
E-1504120000	600	140	47	28	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
E-1504120001	601	141	48	29	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
E-1504120002	602	142	49	30	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
E-1504120003	603	143	50	31	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
E-1504120004	604	144	51	32	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
E-1504120005	605	145	52	33	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
E-1504120006	606	146	53	34	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
E-1504120007	607	147	54	35	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
E-1504120008	608	148	55	36	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
E-1504120009	609	149	56	37	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
E-1504120010	610	150	57	38	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
E-1504120011	611	151	58	39	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
E-1504120012	612	152	59	40	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
E-1504120013	613	153	60	41	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
E-1504120014	614	154	61	42	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
E-1504120015	615	155	62	43	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
E-1504120016	616	156	63	44	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
E-1504120017	617	157	64	45	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
E-1504120018	618	158	65	46	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
E-1504120019	619	159	66	47	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
E-1504120020	620	160	67	48	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
E-1504120021	621	161	68	49	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
E-1504120022	622	162	69	50	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W

1. **Category** 1 = Inconclusive; 2 = Toxic Residue; 3 = Suspected of Abuse; 4 = Positive Result

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Grass Wedge
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Kevin Downing (0872546880)
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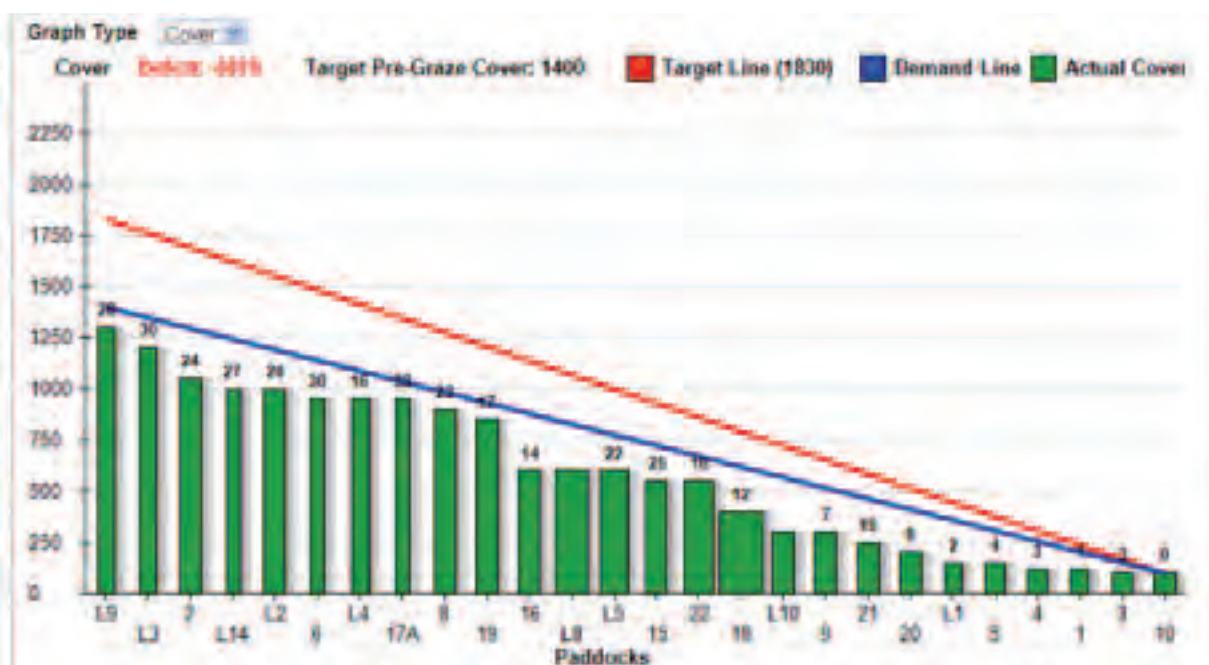
Grass Wedge
Data View

Date Measured
17/05/2012
Selected Mob
All Mobs
Daily Growth
37.5 (42.7)
Farm Cover
557
Total Area
40.98
Total LU
152.89
LU / Ha
3.73
Demand / Day
2360
Demand / Ha
58.1
N Kg / Ha
37.5
N % Area
22.3
Weather
25mm, 12°
Cover / LU
149.33
Litre / Cow / Day
30.18 (16.05)
kgMS / Cow
2.26
Milk Quality
F3.95% / P3.31%
KgMS/Ha YTD
523 (61.98 Ha)
Short Term Silage
0 (0Ha)
Long Term Silage
0 (0Ha)
Area Unmeasured
21 Ha

	No.	Actual Grass	Meal	Silage	Target Grass
Spring Milkers	124	15	3	0	17
Autumn Milkers	0	0	0	0	0
Dry Cows	0	0			0
0-1 Year Old	32	3			0
1-2 Year Old	53	8			8
2+ Year Old	0	0			0

Target Pre-Graze Cover
1400
Rotation Length
28
Post Grazing Cover
100
Project wedge in
Days, Using Growth Rate

Update/Save
Wedge Before Changes



Milk Recording Annual Farm Report

Herd Owner: KEVIN DOWNING
Herd No: IE1510137
Print date: 16-JAN-12
Report Period: 01-JAN-2011 - 31-DEC-2011

1. Production Summaries - Valid Lactations

Only animals that have had a valid lactation are included in these summaries. A valid lactation is one that was : (i) completed on the farm during the 12 month period (ii) has a valid lactation end reason (i.e. either dried off or completed 305 days) and (iii) has a minimum lactation length of 150 days.

Group	No. of cows	Average days in milk	Completed Lactations Only							SCC	EBI €
			M Kg	M Gal	F%	P%	F Kg	P Kg	F+P Kg		
Overall	113	315	7686	1642	4.77	3.55	367	273	640	123	117
		305	7502	1603	4.77	3.55	366	266	633		
		CI: 431									
1st Lactation	28	340	6836	1460	4.98	3.66	341	242	583	137	120
			6283	1342	4.96	3.61	311	221	531		
2nd Lactation	28	316	7777	1661	4.91	3.57	374	278	651	91	132
			7617	1608	4.90	3.56	361	268	629		
		CI: 430									
3rd Lactation	20	317	8221	1756	4.70	3.57		264	660	114	125
			8040	1716	4.67	3.55	376	266	641		
		CI: 426									
4+ Lactation	40	286	7891	1686	4.66	3.64	368	279	647	143	101
			7683	1706	4.70	3.66	376	283	659		
		CI: 436									
Winter	26	387	9374	2003	4.76	3.58	446	336	782	118	115
			8206	1763	4.66	3.62	366	266	634		
		CI: 481									
Spring	87	294	7184	1538	4.77	3.64	349	266	617	125	117
			7291	1558	4.76	3.65	349	269	618		
		CI: 413									



Economic Breeding Index (EBI) Herd Summary April 2012

LoCall 1850 500 900

Herd Owner: KEVIN DOWNING

Herd Number: IE1510137

Data Extracted: 27/02/2012

1. EBI Herd Summary

Average EBI for all dairy cows with: (i) a known sire (or milk recorded progeny with a known sire) and (ii) are currently on your farm

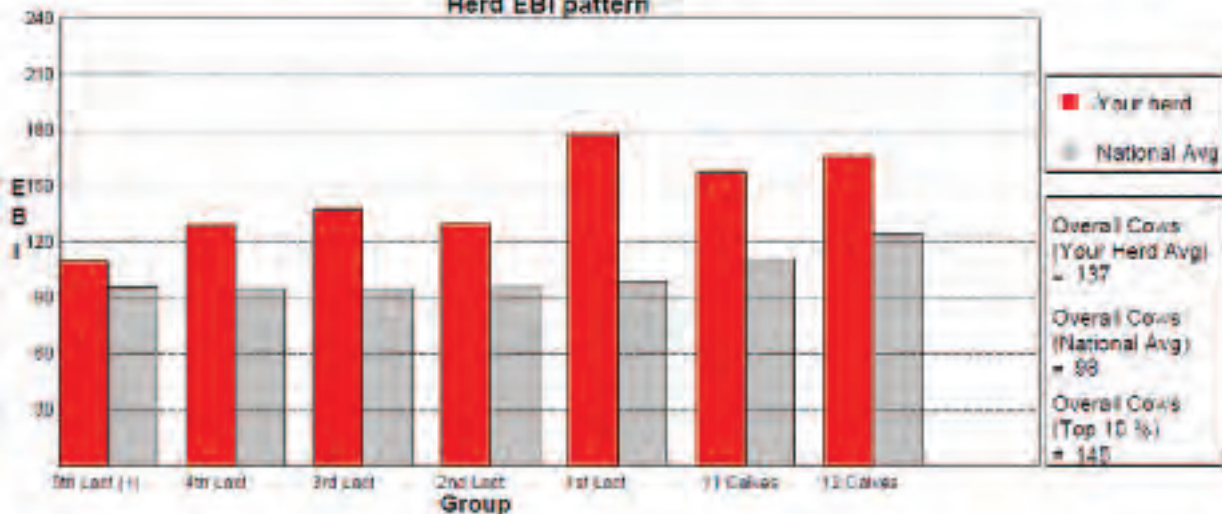
* Number of animals that are missing an EBI result

Animal Group	Num of Cows	Milk Kg	Fat %	Prot %	Surviv. to Days	Milk % Contrib	Fertility % Contrib	Calving % Contrib	Beef % Contrib	Mainten. % Contrib	Health % Contrib	EBI €
Cows with EBI	124	175				€ 50.8	€ 74.8	€ 21.3	€ -8	€ -0.5	€ -1.5	€ 137
Missing EBI*	0	10.6	0.08	2.4		32.4%	47.7%	13.6%	-5.1%	-0.3%	-1%	
Total Cows	124	8.9	0.06	-3.9								
1st Lactation	26	157				€ 61.5	€ 105.1	€ 24.4	€ -17	€ 7	€ -2.7	€ 178
		13.0	0.13	3.0		28.2%	48.3%	11.2%	-7.8%	3.2%	-1.2%	
		10.0	0.09	-5.8								
2nd Lactation	21	174				€ 49.1	€ 69.2	€ 22.1	€ -7.1	€ -1.4	€ -1.4	€ 130
		11.3	0.09	2.3		32.7%	46%	14.7%	-4.7%	-0.9%	-0.9%	
		8.5	0.05	-3.5								
3rd Lactation	27	170				€ 45.9	€ 75.2	€ 24.5	€ -2.2	€ -5.1	€ -0.5	€ 138
		11.5	0.09	2.6		29.9%	49%	16%	-1.4%	-3.3%	-0.3%	
		7.9	0.04	-3.6								
4th Lactation	20	186				€ 47.8	€ 70.6	€ 19.9	€ -4.7	€ -3.3	€ -1.6	€ 129
		8.8	0.03	2.2		32.3%	47.7%	13.5%	-3.2%	-2.2%	-1.1%	
		8.9	0.05	-3.7								
5th Lactation (+)	30	187				€ 49	€ 54.9	€ 15.9	€ -3.1	€ -0.5	€ -1.5	€ 110
		8.6	0.03	1.8		37.7%	42.3%	12.2%	-6.2%	-0.4%	-1.2%	
		9.1	0.06	-2.8								

2. Dairy Youngstock

12 Calves	55	179				€ 58.2	€ 93.7	€ 25.7	€ -10.4	€ -0.6	€ -0.1	€ 167
Missing EBI*	0	12.7	0.11	2.9		30.8%	49.7%	13.6%	-5.5%	-0.3%	-0.1%	
Total Calves	55	9.6	0.08	-1.9								
11 Calves	43	116				€ 53.7	€ 93.5	€ 22.8	€ -15.3	€ 3.6	€ -0.5	€ 158
Missing EBI*	0	10.8	0.12	2.4		28.4%	49.4%	12%	-8.1%	1.9%	-0.3%	
Total Calves	43	8.5	0.09	-5.5								

Herd EBI pattern



Genomic Evaluation Report								
Jumbo	1568				Lact. No			
Tag	IE151013731568				Sex	M		
Name					Sire	50K (€ 257)		
DOB	15-Feb-2012 0y 1m				Dam	IE151013760948 (€ 165)		
Breed	HQ (81%), FR (19%)				Dam's Sire	RJU (€ 152)		
Date of Evaluation	23-Mar-2012							
	Official Genomic Evaluation	Reliability	Weighting on Genomics	DNA Value	Parent Average Evaluation	Reliability	Diff. from Parent Avg	Increase in Reliability
Index								
EBI €	290	46%	28%	274	211	27%	+79	18%
Milk Sub Index €	93	53%	36%	92	63	30%	+30	23%
Fertility Sub Index €	162	36%	23%	148	117	21%	+45	15%
Calving Sub Index €	40	50%	24%	38	32	35%	-8	15%
Beef Sub Index €	0	44%	21%	-1	-1	29%	-1	15%
Maintenance Sub Index €	-7	39%	20%	-7	-4	25%	-3	14%
Health Sub Index €	2	49%	27%	2	4	26%	-2	24%
Milk Sub Index								
Milk (Kg)	225	53%	36%	310	142	30%	+83	23%
Fat (Kg)	18.8	53%	36%	18.7	12.5	30%	+6.3	23%
Protein (Kg)	15	53%	36%	16.2	10.2	30%	+4.8	23%
Fat (%)	0.18	53%	36%	0.13	0.13	30%	+0.05	23%
Protein (%)	0.14	53%	36%	0.11	0.11	30%	+0.03	23%
Fertility Sub Index								
Calv Int (Days)	-8.74	37%	25%	-8.01	-6.66	22%	-2.16	15%
Survival (%)	4.86	33%	21%	4.4	3.24	20%	+1.62	15%
Calving Sub Index								
Dir. Calv Diff (%)	0.33	52%	24%	0.54	1.77	36%	-1.44	16%
Mat. Calv Diff (%)	9.95	41%	20%	9.81	6.6	28%	+1.35	15%
Gest Len (Days)	-3.24	54%	28%	-3.18	-2.63	38%	-0.71	18%
Calf Mort (%)	+0.88	39%	10%	-0.9	-0.82	32%	-0.08	7%
Beef Sub Index								
Cull Cow Weight (Kg)	4.38	39%	20%	4.72	2.47	25%	+1.91	14%
Carcass Weight (Kg)	1.86	45%	22%	1.61	2.12	30%	-0.26	15%
Carcass-Comp (Grade)	-0.52	45%	22%	-0.48	-0.55	30%	+0.03	15%
Carcass-Fat (%)	-0.15	42%	20%	-0.13	-0.11	27%	-0.04	15%
Maintenance Sub Index								
Cull Cow Weight (Kg)	4.38	39%	20%	4.72	2.47	25%	+1.91	14%
Health Sub Index								
Lameness (Locomotion)	-0.2	31%	21%	-0.2				
Udder (SCC)	-0.04	51%	39%	-0.04	-0.07	26%	+0.03	25%

Explanatory Notes:

Official Genomic Evaluation = the new official index based on combining the DNA information with the parental average information. DNA Value = the index based on DNA information only.

Weighting on Genomics = the percentage of the official evaluation that is based on DNA information

For more information on Genomics terminology see attached sheet or on relevant section of our website www.icbf.com

Visit to the farm of Teddy & Donie Cashman

Coole, Whites Cross, Cork



Teddy and Donie Cashman farm at Coole, Whites Cross, about 10 km from Cork city. Teddy is the 5th generation of Cashmans on the farm. Together they operate a specialist dairy farm, of approximately 100 hectares, milking 140 cows. They provide milk into the liquid milk business in Cork city.

Whilst the farm is a high input and high output dairy farm (relative to other dairy farms in Ireland), the farm has a very strong focus on grass and grassland managements. To ensure good labour efficiency and grassland management, Teddy operates a split block calving system with 60% of the herd calving in the Autumn (September/October) and the remainder calving in the Spring (February/March). The herd is fully pedigree registered with IHFA (the Coolehouse prefix).

Teddy is married to Joan and they have 3 teenage daughters. His father Donie is still actively involved in the farm and they have one full time employee.

Teddy is currently chairman of the IFA National liquid milk committee.

Key objectives of the Cashman farm are;

1. To have a profitable and sustainable farming business.
2. To breed fertile cows that produce high quality milk from grazed grass and grass silage.
3. To expand the business, with a target of 200 cows post 2015.

Teddy.

Objectives of visit to the Cashman Farm

Overall objective

To establish how the Cashman farm is using data and information to improve the profitability of their farming business.

Components of the farm visit.

- To get an overview of the Cashman farm, based on key performance figures.
- To understand how data and technology are improving the profitability of the farm.
 - Overview of key performance figures, including reports.
 - Co-op performance report – Identify strengths & weaknesses.
 - Calving reports - Female fertility. Particular focus on this farm.
 - Milk recording reports – Data for breeding, culling & stock sales.
 - IHFA catalogue – Selling breeding stock.
 - Grassland Management on the farm.
- To identify the breeding objectives for the Cashman farm and establish how bull and cow selection are contributing to herd profitability.
 - EBI reports – Improving the next generation. Bull Selection for 2012.
 - Milk solids + female fertility + functional type.
 - Comparison of high and low EBI cow, including selection of cows from the Coolehouse herd.
- Summary of farm visit.

Key performance figures for the Cashman Farm.

Holstein Cows.							
2012				2011			
Farm size (Ha)	109	Milk yield (litres/cow)	7932				
Milking platform, grass Area (Ha)	105	Annual Fat %	3.81				
		Annual Protein %	3.47				
Dairy Cows in milk	135	Milk yield (kg MS/cow)	595				
0-1 y.o replacements	65	SCC ('000 cells/ml)	224				
1-2 y.o replacements	65	Concentrates per cow. (Kg/cow/year)	1300				
Other stock (LU)	1	Grass utilised (Tonne DM/Ha)	10				
Stocking rate (LU/ha)	1.95	Grazing Season Days	290				
Milk quota (litres)	1,1m	% cows Spring Calving	40				
Current herd milk performance and feeding.							
Milk yield (litres/cow)	29	Target DM Intake (Kgs)	20+				
Fat %	3.82	Concentrate fed (kgs/cow/day)	4.0				
Protein %	3.48						
Milk yield (kg MS/cow)	2.18	Grass - % of diet	80				
SCC ('000 cells/ml)	158	Silages - % of diet	0				
Herd Fertility Performance: 2011 and 2012 to date							
2011				2012			
Median Calving Date	10/2/11	Start of calving	14/1/12				
3 week submission rate (%)	54	6 week calving rate (%)	74				
6 week in-calf rate (%) ¹	42	Median calving date	10/2/12				
Breeding season length (days)	96	% calved before April 1st	42				
Annual Empty rate (%)	18	Heat detection aids used	Tail Paint Scratch Cards				
Teagasc Profit Monitor 2011. Costs and Profits							
	(C/L)		(C/L)				
Milk Price	36.7	Overhead Costs	13.77				
Purchased Feed	4.17	Total Costs	25.27				
Vet and breeding (A.I.)	1.92	Net Margin	12.02				
Total variable Costs	11.50	Target Costs	24.00				
Genetics for Profit (Farm EBI Report)							
(from latest EBI report)	Cows	Breeding heifers	2012 Calves				
EBI (€)	€74	€105	€110				
Milk SI (€)	€51	€60	€60				
Fertility SI (€)	€19	€36	€36				
Bull Selection 2012							
AI code	EBI (€)	Milk SI (€)	Fertility SI (€)	Milk Kgs	Fat%	Prot %	Kgs Solids
Wght Avg	€143	€78	€47	419	-.03	.04	30.6

Bulls used include; Guarine (DEU). Gran J Oman McCormick (USA), Gormez Lee (IRE), Bob Bay Amateur (USA), Regan ALH G Derren (USA), Huddleston Spooky (GBR).



Dairy Herd Performance Report

Jan - Dec 2011

Herd Owner: **TIMOTHY CASHMAN**

Designator: **IE1510162 / D2700329**

Supplier Number: **550072 / Liquid**



LoCall 1850 600 900

Table 3: Dairygold/ICBF Performance Score Card

	Your Herd	Dairygold Average	Dairygold Top 10%	Your Rank out of 100	Your Star Rating
Milk performance for 2011 (Jan - Dec) based on Dairygold data					
Fat + Protein (Kg/cow) Average Fat and Protein yield per cow for your herd	577	421	491	100%	*****
Litres per Cow per Day Avg litres of Milk per cow from Jan - Dec 2011	21.08	15.18	18.3	100%	*****
Fat % to end December 2011 Weighted average Fat % from Jan - Dec 2011	3.84	3.97	4.14	20%	*
Protein % to end December 2011 Weighted average Protein % from Jan - Dec 2011	3.47	3.4	3.51	83%	*****
Average Milk Price (cpl) incl. VAT Average milk price received from Jan - Dec 2011, (includes Bchuses/Penalties, Excludes Levies)	36.7	36.6	37.7	69%	*****
SCC (,000 cells/ml) The weighted average Somatic Cell Count for Jan - Dec 2011	224	n/a	140	51%	***
Fertility & Calving data based on HerdPlus 2011 Calving Report					
Calving Interval (days) Average number of days between successive calvings for cows calved during the period	412	413	391	51%	***
Days to calve 50% of cows Start: 15/01/2011 - Median: 10/02/2011	27	54	30	100%	*****
Total Dairy Replacements Dairy Females born in the period (63) as a proportion of eligible cows (139)	45%	23%	48%	89%	*****
%AI bred replacements Female calves born in the period from dairy AI (63) as a proportion of eligible cows (139)	45%	20%	43%	97%	*****
EBI Statistics based on the latest HerdPlus EBI report 2012					
Herd EBI (2012) Average EBI for Cows (134) with EBI data	€85	€77	€102	28%	**
Yearly EBI Gain (2012-2013) Gain in Herd EBI based on: 0-1yr old, ~2yr old & 32% replacement rate	€8	€5.1	€8	81%	*****
EBI of 2011 Inseminations Weighted Average EBI of dairy AI bulls recorded in Spring 2011	€161	€187	€217	20%	*
Table of Terms					
Dairygold Average	The average performance of Participating Dairygold Liquid Suppliers				
Dairygold Top 10%	The top 10% cut off point of Participating Dairygold Liquid Suppliers				
Your Rank out of 100	Your performance expressed across all Dairygold herds eg. 1% = Bottom Supplier, 50% = Average Supplier 100% = Top Supplier				
Your Star Rating	Your performance is displayed in stars e.g. 1 star is bottom 20% and 5 stars = top 20%				
Eligible Cows	Number of dairy cows in the herd on December 2011				
* = 0 - 20% ** = 21 - 40% *** = 41 - 60% **** = 61 - 80% ***** = 81 - 100%					



Dairy Calving Statistics (01/07/2011 --- 02/05/2012)

LoCall 1850 800 900

Herd Owner: TIMOTHY CASHMAN
 Herd Number: IE1510162
 Print Date: 02/05/2012
 Page: 1(3)

(a). Summary Data - Report is based on dairy cows that calved between 01/07/2011 and 02/05/2012. (Embryo births excluded)

Spring Calving Dates

	Start Calving	Median Calving	Last Calving	Calving Period	Avg Age Calving
Cows	14/01/2012	10/03/2012	22/04/2012	14 weeks + 1 days	4y 10m
Heifers	06/01/2012	21/01/2012	01/04/2012	12 weeks + 2 days	2y 3m

	All			Heifers			Eligible Cows ²	
	Total	Male	Female	Total	Male	Female		
Total Calves born	171	88	83	65	32	33		138
Calves Live at Birth	152	82	70	56	30	26		Total Dairy Calvings 163
Calves Dead at Birth	19	6	13	9	2	7		

(b). Top 5 Key Performance Indicators (KPI's)

	Your Herd	Nat Avg	Btm. 5%	Top 5%
1. Calving Interval (days) Average number of days between successive calvings for cows calved during the period (55)	415 days	403 days	484 days	354 days
2. Spring 5 Week Calving Rate Number of cows calved within the first 5 weeks (57) as a proportion of all cows calved during the period (77)	74%	52%	78%	81%
3. Calves per cow per year Number of live calves at 28 days (120) that were born to eligible cows (138)	0.87	0.85	0.63	1.00 calves per cow
4. Females not calved in Period Number of cows in the herd on 02/05/2012 that did not have a calving in the period (11) as a proportion of eligible cows (138)	8%	11%	28%	0%
5. Current Replacements rate Number of 1st calving cows on 02/05/2012 (35) as a proportion of eligible cows (138)	25%	25%	Not Applicable	Target 18-22%

Explanatory Notes

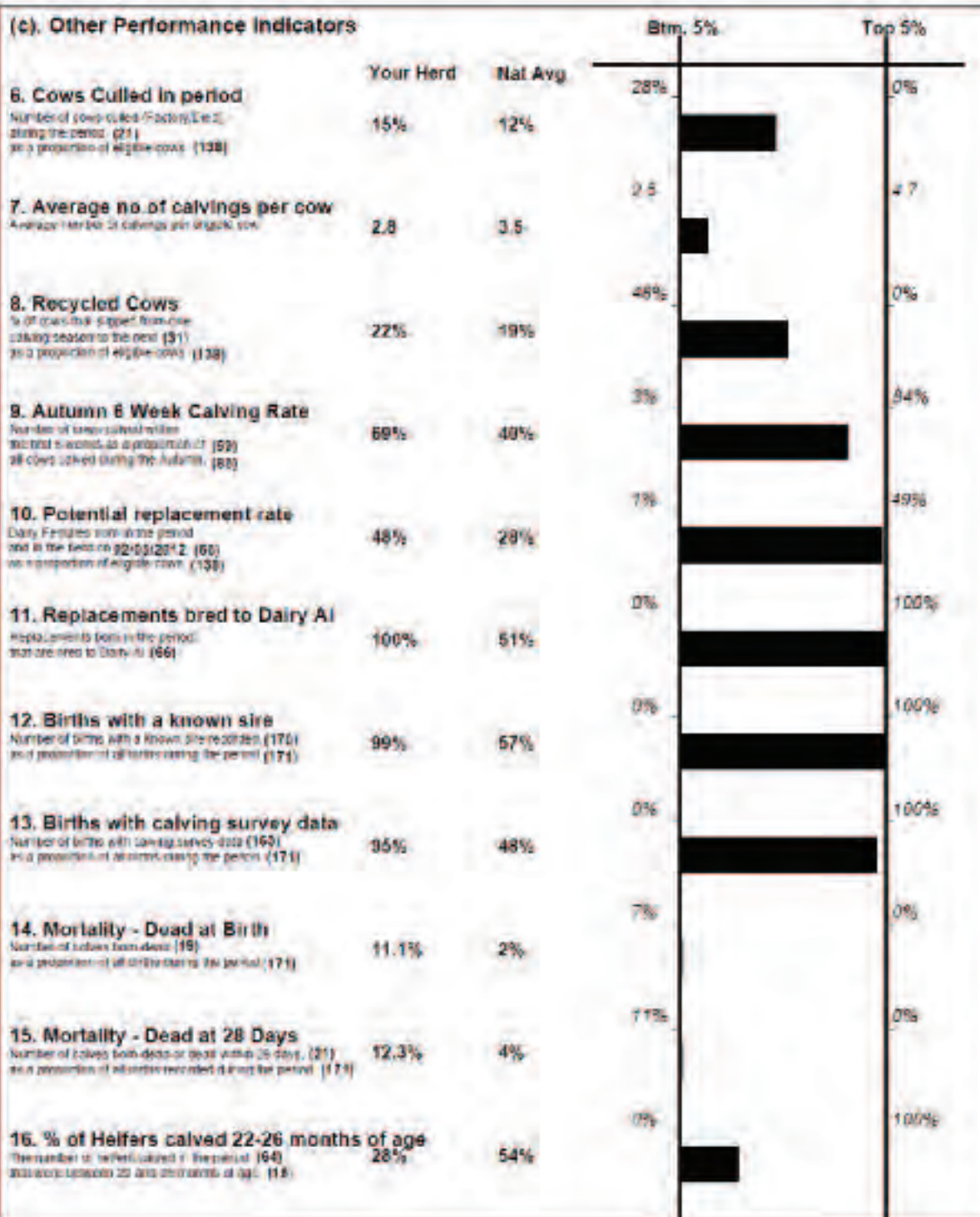
- Median Calving Date:** Date on which 50% of your cows have calved
- Eligible Cows:** Number of dairy cows in the herd on 02/05/2012
- Calves per cow per year:** Number of calves born to eligible cows & live at 28 days / eligible cows



LoCall 1850 600 900

Dairy Calving Statistics (01/07/2011 --- 02/05/2012)

Herd Owner: TIMOTHY CASHMAN
Herd Number: IE1510162
Print Date: 02/05/2012
Page: 2(3)





Weekly Fertility Report Spring 2012

LoCall 1850 800 900

Herd Owner: TIMOTHY CASHMAN

Herd Number: IE1510102

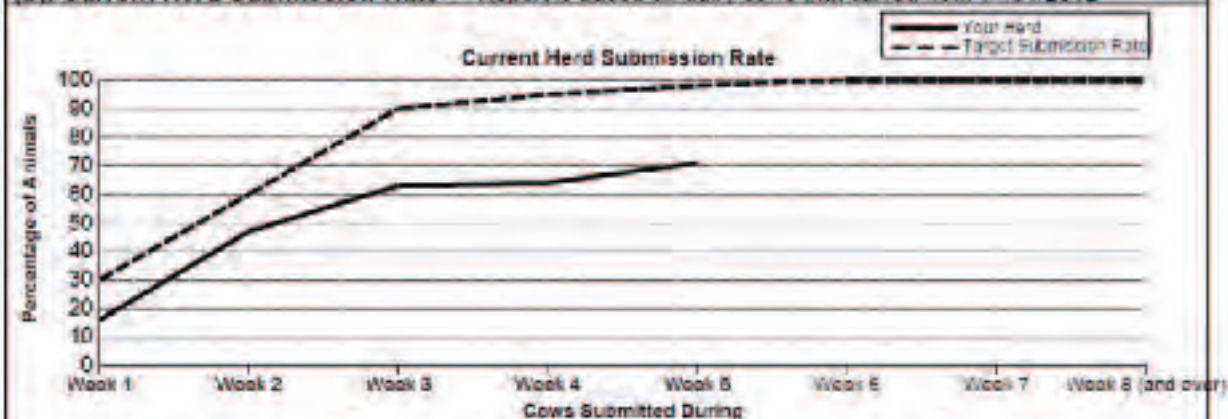
Mating Start Date (MSD): 06/04/2012	06/04/2012	Report Date: 16/05/2012
Cows	Heifers	

(a). Calving Summary Data - Report is based on dairy cows that calved from 14/01/2012

	Spring Dairy Calving Dates		Spring Dairy Calving Pattern	
	Start Calving	Median Calving ¹	Num. Calved (%)	Top 15% ²
Cows	14/01/2012	10/02/2012 (28 days)		
Heifers	05/01/2012	21/01/2012 (17 days)		
Herd	05/01/2012	26/01/2012 (24 days)		
Total Dairy Calvings	77			
Total Dairy Calves Born	79			
Week 3			58 (49%)	45%
Week 6			56 (73%)	73%
Week 9			62 (81%)	88%

Explanatory Notes¹ Median Calving: Date on which 50% of cows/heifers have calved as a percentage of cows/heifers calved on report date.² Top 15%: This figure relates to the National Top 15% of Spring Calving Dairy Herds.

(b). Current Herd Submission Rate - Report is based on dairy cows that calved from 14/01/2012



(c). Key Performance Indicators (KPI's)			Cows		Maiden Heifers	
Days since Mating Start Date:	41	41	Your Herd	Top 15%	Your Herd	Top 15%
	Cows	Heifers				
1. 21-day Submission rate Cows/heifers submitted for mating within 21 days of MSD (25 cows/32 heifers) as a percentage calved up to 41 days after MSD (56) (dairy heifers = 11 total (7))			63%	76%	45%	92%
2. 42-day Submission rate Cows/heifers submitted for mating within 42 days of MSD as a percentage calved up to 47 days after MSD				91%		99%
3. Cows calved >30 days and not bred % of inseminated females that are not bred within 21 days of MSD (41) and not rebred within 21 days of MSD (2)			17%	13%		
4. 6 Week Repeat rate Cows/heifers with more than one service 23 is percentage of cows/heifers served in second service				40% ¹		30% ¹

¹ This is a farm figure as many farms do not have a second service, therefore the top 15% would not be accurate.

Milk Recording Annual Farm Report

Herd Owner: TIMOTHY CASHMAN
Herd No.: E1510162
Print date: 14-MAR-12
Report Period: 01-JAN-2011 - 31-DEC-2011

1. Production Summaries - Valid Lactations

Only animals that have had a valid lactation are included in these summaries. A valid lactation is one that was : (i) completed on the farm during the 12 month period (ii) has a valid lactation end reason (i.e. either dried off or completed 305 days) and (iii) has a minimum lactation length of 150 days.

Group	No. of cows	Average days in milk	Completed Lactations Only							S.C.C.	EBI €
			M Kg	M Gal	F%	P%	F Kg	P Kg	F+P Kg		
Overall	118	342	10423	2225	3.92	3.51	409	365	775	192	64
		306	9802	2051	3.90	3.47	375	333	708		
		CI: 408									
1st Lactation	29	339	8634	1844	3.91	3.48	338	301	639	128	67
			7888	1665	3.89	3.46	307	273	579		
2nd Lactation	40	343	10485	2240	3.89	3.51	404	368	772	179	56
			9677	2067	3.88	3.47	371	335	706		
		CI: 404									
3rd Lactation	17	340	11492	2453	3.93	3.56		409	891	213	79
			10756	2293	3.92	3.53	421	379	801		
		CI: 409									
4+ Lactation	25	344	11657	2493	4.04	3.49	471	406	860	251	82
			10663	2263	4.01	3.45	428	369	797		
		CI: 412									
Winter	81	334	10525	2248	3.97	3.51	418	370	787	203	83
			9895	2112	3.95	3.49	390	345	735		
		CI: 421									
Spring	50	351	10291	2193	3.87	3.50	398	360	760	123	62
			9257	1979	3.84	3.45	356	320	675		
		CI: 394									

IMFA 2011 - FULL PEDIGREE										HO (94%) FR (6%) Tema	
LOT 2											
Coolhouse Gran Nancy EBI € 176					28-Feb-2011			IE151016262266 (2266)			
Overall Indexes		EBI € 176	EBI Rel 90%	Milk € 60	Fertility € 91	Calving € 32	Beef -€ 9	Health € 6	Maintena -€ 7		
Milk Traits		Milk Kg 319	Fat Kg 16.89	Prot Kg 11.5	Fat % 0.09	Prot % 0.01					
Fertility Traits		CI -5.2(days)	Survival 2.5(%)								
Type Traits		Overall 1.15	Feet/Legs 0.33	Udder 1.24							
Owner		Timothy Cashman, Coole, Whites Cross, Co Cork									
Replier		Timothy Cashman, Coole, Whites Cross, Co Cork									
Sex											
Gran J Oman McCormick (GJM) € 183					by O-Der Manfred Justice (OJ)						
Dam											
Coolhouse Rund Nancy2 VG 87 IE151016251597 (1597) € 170					by Rund 22 (RUU)						
Milk Kgs	BF%	PR%	BtKgs	PrKgs	SCC	Days	Lact	Calving Date			
6832	4.05	3.43	277	234	51	299	1	02-02-09			
9176	3.93	3.40	368	319	65	305	2	26-01-10			
9455	4.12	3.51	389	332	73	277	3	28-02-11			
10621	4.00	3.38	510	359	65	303	4	18-01-12 (prod)			
G Dam											
Coolhouse Ingot Nancy VG 85 RI09587882 (339)					by Aghigh Sights Bs Ingot (AST)						
Milk Kgs	BF%	PR%	BtKgs	PrKgs	SCC	Days	Lact	Calving Date			
7083	4.07	3.29	288	233	44	292	1	03-10-08			
10196	3.95	3.27	404	333	52	305	2	13-09-01			
10632	4.13	3.32	610	354	52	305	3	10-01-03			
10506	4.00	3.09	421	324	78	305	4	05-04-04			
11025	4.40	3.39	483	373	94	305	5	22-09-05			
10475	3.82	3.09	400	323	120	305	6	22-11-06			
And Dam											
Coolhouse Bowl Nancy G 78 0108546297 (2879)					by Etazon Bowl (EZB)						
Milk Kgs	BF%	PR%	BtKgs	PrKgs	SCC	Days	Lact	Calving Date			
8085	3.43	3.18	281	257	38	303	1	20-10-96			
8170	3.52	3.25	288	266	38	278	2	03-11-97			
8522	4.01	3.43	341	292	102	305	3	21-09-98			
9358	3.64	3.13	341	293	67	291	4	25-11-99			
9174	3.97	3.24	364	297	29	303	5	17-10-00			
7631	3.97	3.01	303	260	38	276	6	19-10-01			
9153	3.86	3.17	354	290	70	303	7	09-09-02			
8438	3.71	3.19	313	269	241	293	8	21-10-03			
8669	3.87	3.12	336	271	107	283	9	12-10-04			



Economic Breeding Index (EBI) Herd Summary April 2012

LoCall 1850 600 900

Herd Owner: **TIMOTHY CASHMAN**Herd Number: **IE1510162**

Data Extracted: 27/02/2012

1. EBI Herd Summary

Average EBI for all dairy cows with: (I) a known sire (or milk recorded progeny with a known sire) and (II) are currently on your farm.

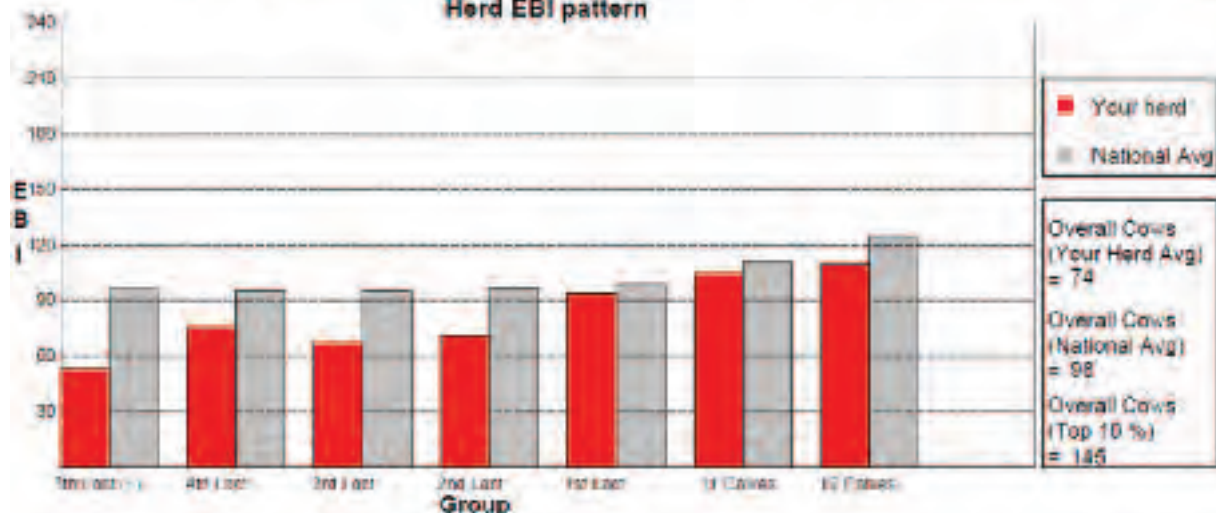
Number of animals that are missing an EBI result

Animal Group	Num of Cows	Milk Kg	Fat %	Prot %	Sire% CI Days	Milk % Contrib	Fertility % Contrib	Calving % Contrib	Beef % Contrib	Mainten. % Contrib	Health % Contrib	EBI €
Cows with EBI	138	298				€ 51.1	€ 18.9	€ 17.8	€ -7.6	€ -6	€ 0.2	
Missing EBI	0	9.0	-0.04	0.9		50.3%	16.6%	17.5%	-7.5%	-5.8%	0.2%	€ 74
Total Cows	138	11.0	0.02	-0.7								
1st Lactation	38	308				€ 52.1	€ 33.6	€ 22.9	€ -9.4	€ -6.8	€ 1.5	
		9.4	-0.04	1.1		41.3%	26.6%	19.1%	-7.4%	-5.4%	1.2%	€ 94
		11.3	0.02	-1.7								
2nd Lactation	30	309				€ 53.4	€ 14.9	€ 16.8	€ -7.1	€ -7	€ 0	
		9.0	-0.05	0.9		53.8%	15%	15.9%	-7.2%	-7.1%	0%	€ 71
		11.5	0.03	-0.3								
3rd Lactation	34	297				€ 47.4	€ 14.1	€ 17.5	€ -7.3	€ -5.5	€ 0.5	
		8.5	-0.05	0.9		51.4%	15.3%	19%	-7.9%	-6%	0.5%	€ 67
		10.9	0.01	-0.3								
4th Lactation	16	324				€ 57.7	€ 13.2	€ 18.2	€ -4.7	€ -6.5	€ -1.3	
		10.8	-0.02	1.0		56.9%	13%	17.9%	-4.6%	-6.4%	-1.3%	€ 76
		12.1	0.03	-0.1								
5th Lactation (+)	20	243				€ 46.5	€ 9.7	€ 9.6	€ -7.7	€ -3.4	€ -1.5	
		7.5	-0.03	0.3		59.3%	12.4%	12.2%	-9.8%	-4.3%	-1.9%	€ 53
		9.7	0.03	-0.5								

2. Dairy Youngstock

12 Calves	36	351				€ 64.2	€ 33.8	€ 24	€ -9.8	€ -5.9	€ 3.3	
Missing EBI	0	11.8	-0.03	1.0		45.5%	24%	17%	-7%	-4.2%	2.3%	€ 110
Total Calves	36	13.4	0.03	-1.8								
11 Calves	53	331				€ 60	€ 35.9	€ 23	€ -10.1	€ -6.9	€ 3	
Missing EBI	0	11.6	-0.02	1.1		43.2%	25.8%	16.6%	-7.3%	-5%	2.2%	€ 105
Total Calves	53	12.5	0.03	-1.9								

Herd EBI pattern



Visit to the farm of Kevin McSweeney

Killard, Blarney, Co. Cork



Kevin farms at Killard, about 10 km west of Cork city, beside the famous Blarney Castle. He started milking on the present farm in 1995, with 70 cows and has built the herd up steadily to now include 150 cows and 150 dairy replacements. His goal is to milk 180 cow's post 2015, on the present farm (80 hectares).

The farm is a typical spring calving Irish dairy farm, with a heavy focus on grazed grass as a key part of the cow diet. The herd is pedigree registered with Irish Holstein Friesian Association under the Sunnybank prefix. The herd is a mixture of Holstein and Friesian, with Kevin often inter-crossing these two breeds to maximise hybrid vigour.

Kevin is also involved in the GEN€ IRELAND program as both a progeny test and bull breeder herd. Indeed a bull from the herd (SOK – Sunnybank Oman) has the distinction of being one of the highest EBI bulls progeny tested through the GEN€ IRELAND progeny test program to date, with an EBI of €229.

Kevin is married to Grainne and they have 2 boys and 2 girls.

Objectives for the McSweeney farm are:

1. To operate a profitable dairy farm
2. To breed a functional, easy care cow, that will produce high volumes of quality milk, in a grass based system.

Objectives of visit to McSweeney Farm.

Overall objective.

To establish how the McSweeney farm is using data and information to improve the profitability of their farming business.

Components of the farm visit.

- To get an overview of the McSweeney farm, based on key performance figures.
- To understand how data and technology are improving the profitability of the farm.
 - Overview of key performance figures, including reports.
 - Co-op performance report – Identifying strengths & weaknesses.
 - Calving reports, female fertility & breeding chart.
 - Milk recording reports – Data for breeding, culling & stock sales.
 - Demonstration of EDIY milk recording & AI.
- To identify the breeding objectives for the McSweeney farm and establish how bull and cow selection are contributing to herd profitability.
 - EBI reports – Improving the next generation. Bull Selection for 2012.
 - Breeding Objective: Female fertility + Milk solids.
 - Role of genomics on this farm.
 - Comparison of selected Sunnybank cows (including bull mothers and potential bull mothers) with herd average.
- Summary of farm visit.

Farm Details: Spring Milk production, 142 Friesian and Holstein Cows.

2012				2011			
Farm size (Ha)		80		Milk yield (litres/cow)		6133	
Milking platform, grass Area (Ha)		49		Annual Fat %		4.00	
				Annual Protein %		3.49	
Dairy Cows in milk		142		Milk yield (kg MS/cow)		473	
0-1 y.o replacements		88		SCC ('000 cells/ml)		191	
1-2 y.o replacements		59		Concentrates per cow. (Kg/cow/year)		800	
Other stock (LU)		40		Grass utilised (Tonne DM/Ha)		10.4	
Stocking rate (LU/ha)		2.85		Grazing Season Days		290	
Milk quota (litres)		730,000		% Spring Calving		100	
Current herd milk performance and feeding.							
Milk yield (litres/cow)		24		Target DM Intake (Kgs)		18 Kgs/day	
Fat %		3.87		Concentrate feeding (kgs/cow/day)		3.0	
Protein %		3.29					
Milk yield (kg MS/cow)		1.76		Grass - % of diet		90	
SCC ('000 cells/ml)		158		Silages - % of diet		0	
Herd Fertility Performance: 2011 and 2012 to date							
2011				2012			
Median Calving Date		21/2/11		Start of calving		19/1	
3 week submission rate (%)		85		6 week calving rate (%)		70	
6 week in-calf rate (%)		60		Median calving date		17/2	
A.I. Breeding season (days)		60		% calved before April 1st		87	
Empty rate (%)		13		Heat detection aids used		Tail Paint	
Teagasc Profit Monitor 2011; Costs and Profits Analysis							
		(C/L)				(C/L)	
Milk Price		34.5		Overhead Costs		11.98	
Purchased Feed Cost		4.44		Total Costs		22.07	
Vet and breeding (A.I.)		1.04		Net Margin		13.87	
Total Variable Costs		10.09		Target cost		21	
Genetics for Profit (Farm EBI Report)							
(from latest EBI report)		Cows		Breeding heifers		2012 Calves	
EBI (€)		€120		€127		€141	
Milk SI (€)		€36		€41		€49	
Fertility SI (€)		€77		€77		€81	
Bull Selection 2012							
AI code	EBI (€)	Milk SI (€)	Fertility SI (€)	Milk Kgs	Fat%	Prot %	Kgs Solids
Wght Avg	€202	€68	€113	96	0.25	0.12	26.0

Bulls used include; Ballybride Aristotle (IRE), Highmount Kenny (IRE), Barrowvale Martell (IRE), Piet Adema (IRE) & GENÉ IRELAND young bulls.



Dairy Herd Performance Report

Jan - Dec 2011

Herd Owner: KEVIN MCSWEENEY

Designator: IE1510002 / D2610044

Supplier Number: 550413 / Manufacturing



LoCall 1850 600 900

Table 3: Dairygold/ICBF Performance Score Card

	Your Herd	Dairygold Average	Dairygold Top 10%	Your Rank out of 100	Your Star Rating
Milk performance for 2011 (Jan - Dec) based on Dairygold data					
Fat + Protein (Kg/cow) Average Fat and Protein yield per cow for your herd	414	367	441	78%	*****
Litres per Cow per Day Avg litres of Milk per cow from Jan - Dec 2011	14.7	13.22	15.9	78%	*****
Fat % to end December 2011 Weighted average Fat % from Jan - Dec 2011	4	3.95	4.16	63%	*****
Protein % to end December 2011 Weighted average Protein % from Jan - Dec 2011	3.49	3.44	3.60	73%	*****
Average Milk Price (cpl) incl. VAT Average milk price received from Jan - Dec 2011 (Includes Bonuses/Penalties, Excludes Levies)	34.5	36.1	37.6	11%	*
SCC (,000 cells/ml) The weighted average Somatic Cell Count for Jan - Dec 2011	181	n/a	136	60%	***
Fertility & Calving data based on HerdPlus 2011 Calving Report					
Calving Interval (days) Average number of days between successive calvings for cows calved during the period	398	394	388	35%	**
Days to calve 50% of cows Start: 23/01/2011 - Median: 22/02/2011	31	30	21	63%	*****
Total Dairy Replacements Dairy Females born in the period (59) as a proportion of eligible cows (149)	40%	29%	46%	90%	*****
%AI bred replacements Female calves born in the period from dairy AI (35) as a proportion of eligible cows (149)	23%	20%	38%	59%	***
EBI Statistics based on the latest HerdPlus EBI report 2012					
Herd EBI (2012) Average EBI for Cows (142) with EBI data	€ 116	€ 95	€ 117	90%	*****
Yearly EBI Gain (2012-2013) Gain in Herd EBI based on: 0-1yr old, 1-2yr old & 22% replacement rate	€ 1	€ 3.5	€ 7	20%	*
EBI of 2011 Inseminations Weighted Average EBI of dairy AI bulls recorded in Spring 2011	n/a	€ 190	€ 217	n/a	
Table of Terms					
Dairygold Average	The average performance of Participating Dairygold Manufacturing Suppliers				
Dairygold Top 10%	The top 10% cut off point of Participating Dairygold Manufacturing Suppliers				
Your Rank out of 100	Your performance expressed across all Dairygold herds eg. 1% = Bottom Supplier, 50% = Average Supplier, 100% = Top Supplier				
Your Star Rating	Your performance is displayed in stars e.g. 1 star is bottom 20% and 5 stars = top 20%				
Eligible Cows	Number of dairy cows in the herd on December 2011				
* = 0 - 20% ** = 21 - 40% *** = 41 - 60% **** = 61 - 80% ***** = 81 - 100%					



LoCall 1850 600 900

Dairy Calving Statistics (01/07/2011 --- 02/05/2012)

Herd Owner: KEVIN MCSWEENEY
Herd Number: IE1519002
Print Date: 02/05/2012
Page: 1(3)

(a). Summary Data - Report is based on dairy cows that calved between 01/07/2011 and 02/05/2012. (Embryo births excluded)

Spring Calving Dates

	Start Calving	Median Calving	Last Calving	Calving Period	Avg Age Calving
Cows	10/01/2012	17/02/2012	19/04/2012	14 weeks + 2 days	5y 9m
Heifers	12/01/2012	03/02/2012	11/04/2012	12 weeks + 6 days	1y 11m

	All			Heifers			Eligible Cows ²	
	Total	Male	Female	Total	Male	Female		
Total Calves born	171	84	87	67	35	32	174	
Calves Live at Birth	186	80	86	62	31	31	Total Dairy Calvings	168
Calves Dead at Birth	5	4	1	5	4	1		

(b). Top 5 Key Performance Indicators (KPI's)

	Your Herd	Nat Avg	Btm. 5%	Top 5%
1. Calving Interval (days) Average number of days between consecutive calvings for cows calving during the period (103)	392 days	403 days	464 days	364 days
2. Spring 6 Week Calving Rate Number of cows calved within the first 6 weeks (107) as a proportion of all cows calved during the spring (168)	64%	52%	19%	81%
3. Calves per cow per year³ Number of live calves at 28 days (142) that were born to eligible cows (174)	0.8	0.85	0.63	1 calves per cow
4. Females not calved In Period Number of cows 6-der herd on 02/05/2012 that did not have a calving in the period (34) as a proportion of eligible cows (174)	20%	11%	28%	0%
5. Current Replacements rate Number of replacement cows on 02/05/2012 (40) as a proportion of eligible cows (174)	23%	25%	Not Applicable	Target 18-22%

Explanatory Notes

- Median Calving Date:** Date on which 50% of your cows have calved.
- Eligible Cows:** Number of dairy cows in the herd on 02/05/2012
- Calves per cow per year:** Number of calves born to eligible cows & live at 28 days / eligible cows

HerdPlus		Dairy Herd Breeding Chart														Year 2012																
Profit through Science		HerdOwner: KENNEDY McDONNELL														BND 181510002																
Cow Tag		Cow PE		Cow Details								Proposed Bully			Service Information																	
				Cow EB (E)	MB (E)	Fat (E)	Cow's Size	Mat Grand Size	Last No.	Date Calved	Calf Sex	T/A	Bull 1	Bull 2	Bull 3	First Service Heat	First	Second	Third													
E181000201448	1448	110	47	57	LDD	OCH	2	25-MAR-12																								
E181000201450	1450	37	28	38	WGB	DWR	1																									
E181000201458	1458	88	51	38	LDD	DWR	1																									
E181000201467	1467	120	61	75	WGB	LDD	2	25-FEB-12																								
E181000201461	1461	39	44	54	S1153	RWV	2	18-FEB-12																								
E181000201462	1462	122	33	75	LDD	OCH	2	18-FEB-12	1																							
E181000201468	1468	141	40	V1	TH	DWR	2	21-FEB-12																								
E181000201469	1469	38	27	57	LDD	DWR	1																									
E181000201468	1468	140	68	57	LDD	DWR	1																									
E181000201475	1475	100	88	52	LDD	WGB	2	26-FEB-12																								
E181000201476	1476	37	61	37	LDD	DWR	1																									
E181000201480	1480	140	23	58	LDD	DWR	1	25-JAN-12																								
E181000201480	1480	127	45	58	LDD	TH	2	18-FEB-12	1																							
E181000201525	1525	124	49	58	LDD	WGB	2	26-FEB-12	1																							
E181000201528	1528	124	33	75	LDD	MBH	2	26-FEB-12																								
E181000201530	1530	78	58	28	WGB	LDD	1	25-JAN-12																								
E181000201558	1558	129	23	59	TH	DWR	1	26-FEB-12																								
E181000201566	1566	58	12	78	ATB	75/42	1	21-FEB-12	2																							
E181000201568	1568	110	41	52	WGB	RDD	1	26-FEB-12																								
E181000201569	1569	78	33	58	WGB	LDD	1	26-FEB-12	2																							
E181000201568	1568	196	48	58	S1180	LDD	1	27-FEB-12	2																							
E181000201567	1567	120	72	51	WGB	RWV	1	25-JAN-12																								
E181000201571	1571	106	57	58	S1160	RDD	1	26-FEB-12																								
E181000201573	1573	140	58	58	RWV	LDD	1	30-JAN-12	1																							
E181000201574	1574	169	40	100	S1180	LDD	1	26-FEB-12	1																							
E181000201580	1580	192	43	78	RWV	OCH	1	25-MAR-12																								
E181000201586	1586	147	71	77	LDD	WGB	1	18-FEB-12																								
E181000201588	1588	118	61	57	WGB	RWV	1	25-JAN-12																								
E181000201590	1590	38	43	58	TH	DWR	1	25-JAN-12																								
E181000201591	1591	114	23	57	OCH	DWR	1	27-JAN-12																								

Calving Ease

1 = Normal calving 2 = Some assistance 3 = Considerable difficulty 4 = Veterinary Assistance

T/A

Tail Set or Atomizer (A)

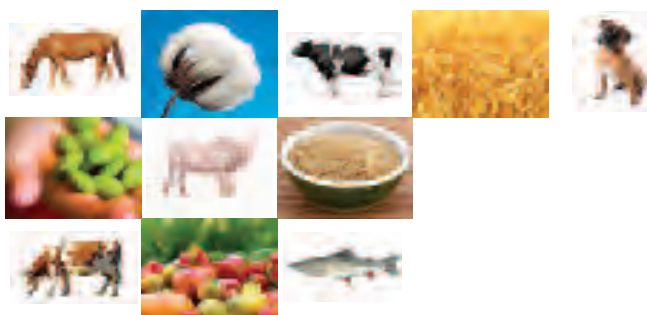
Milk Recording Annual Farm Report

Herd Owner: KEVIN MCSWEENEY
Herd No: IE1510002
Print date: 14-MAR-12
Report Period: 01-JAN-2011 - 31-DEC-2011

1. Production Summaries - Valid Lactations

Only animals that have had a valid lactation are included in these summaries. A valid lactation is one that was : (i) completed on the farm during the 12 month period (ii) has a valid lactation end reason (i.e. either dried off or completed 305 days) and (iii) has a minimum lactation length of 150 days.

Group	No. of cows	Average days in milk	Completed Lactations Only							SCC	EBI €
			M Kg	M Gall	P/L	P/G	F Kg	P Kg	F+P Kg		
Overall	138	332	6836	1480	3.98	3.57	272	244	520	146	116
		305	6343	1355	3.95	3.54	251	225	476		
		CI: 358									
1st Lactation	45	313	5864	1253	3.98	3.52	234	205	443	187	118
			5681	1214	3.98	3.52	226	200	426		
		CI: 301									
2nd Lactation	16	331	6997	1495	3.84	3.54	269	245	523	102	117
			6687	1407	3.79	3.5	250	231	481		
		CI: 301									
3rd Lactation	18	336	6941	1482	4.13	3.54		263	545	111	106
			6365	1360	4.06	3.5	259	230	488		
		CI: 401									
4+ Lactation	59	345	7465	1596	3.98	3.5	297	269	568	173	118
			6753	1443	3.95	3.55	266	240	506		
		CI: 362									
Winter	2	403	7283	1551	4.89	4.00	356	291	648	182	138
			6848	1246	4.73	3.93	277	230	508		
		CI: 435									
Spring	134	331	6830	1459	3.97	3.57	27	244	519	147	116
			6061	1357	3.84	3.54	250	225	475		
		CI: 387									



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Economic Breeding Index (EBI) Herd Summary April 2012

LoCall 1850 600 900

Herd Owner: KEVIN MCSWEENEY

Herd Number: IE1510002

Data Extracted: 27/02/2012

1. EBI Herd Summary

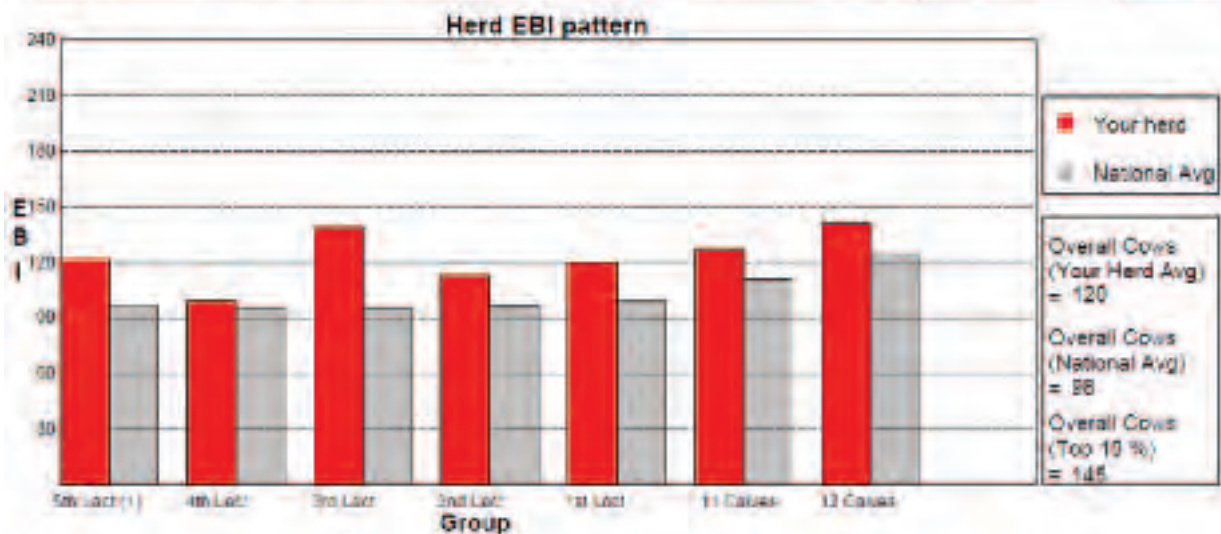
Average EBI for all dairy cows with: (i) a known sire (or milk recorded progeny with a known sire) and (ii) are currently on your farm.

* Number of animals that are missing an EBI result

Animal Group	Num of Cows	Milk Kg	Fat %	Prot %	Surviv. C Days	Milk % Contrib	Fertility % Contrib	Calving % Contrib	Beet % Contrib	Mainten. % Contrib	Health % Contrib	EBI €
Cows with EBI	173	90				€ 36.2	€ 77.2	€ 17.6	€ -11.8	€ 3.7	€ -2.6	
Missing EBI	1	6.2	0.06		1.8	24.3%	51.8%	11.8%	7.9%	2.5%	-1.7%	€ 120
Total Cows	174	8.1	0.06		-4.7							
1st Lactation	45	97				€ 39.7	€ 73.8	€ 19.7	€ -12.2	€ 2.9	€ -3.8	
		7.6	0.08		1.6	26.1%	48.5%	13%	-8%	1.9%	-2.5%	€ 120
		6.5	0.07		-4.6							
2nd Lactation	33	109				€ 41.1	€ 66.6	€ 16.3	€ -11.4	€ 3.5	€ -3.2	
		6.9	0.05		1.6	28.9%	46.9%	11.5%	-8%	2.5%	-2.3%	€ 113
		7.0	0.07		-4.0							
3rd Lactation	23	179				€ 47.5	€ 80.5	€ 20.9	€ -11.1	€ 2.7	€ -1.7	
		8.1	0.03		1.9	28.9%	49%	12.7%	-6.8%	1.6%	-1%	€ 139
		8.8	0.06		-4.8							
4th Lactation	13	32				€ 29.2	€ 70.6	€ 12.3	€ -13.9	€ 3.7	€ -2.5	
		5.7	0.09		1.6	22.1%	53.4%	9.3%	-10.5%	2.8%	-1.9%	€ 99
		4.2	0.06		-4.3							
5th Lactation (+)	89	64				€ 27.8	€ 86	€ 16.5	€ -11.5	€ 4.8	€ -1.9	
		4.1	0.04		2.1	18.7%	57.9%	11.1%	-7.7%	3.2%	-1.3%	€ 122
		4.6	0.06		-5.1							

2. Dairy Youngstock

12 Calves	66	166				€ 48.8	€ 80.8	€ 21.9	€ -12.5	€ 2.9	€ -0.5	
Missing EBI	16	8.6	0.05		2.0	29.2%	48.3%	13.1%	7.5%	1.7%	-0.3%	€ 141
Total Calves	54	8.8	0.07		-4.8							
11 Calves	58	117				€ 40.6	€ 76.9	€ 21.1	€ -14	€ 3.7	€ -1.1	
Missing EBI	0	8.7	0.09		1.9	25.8%	48.9%	13.4%	-6.9%	2.4%	-0.7%	€ 127
Total Calves	58	8.8	0.06		-4.5							



Genomic Evaluation Report								
Jumbo	1854				Lact. No			
Tag	IE151000221854				Sex	F		
Name	SUNNYBANK BEACH 1854				Sire	IE151000251480 (€146)		
DOB	16-May-2011 0y 10m				Dam	IE151000271322 (€101)		
Breed	HO (78%), FR (22%)				Dam's Sire	OJ1 (€232)		
Date of Evaluation	08-Mar-2012							
Index	Official Genomic Evaluation	Reliability	Weighting on Genomics	DNA Value	Parent Average Evaluation	Reliability	Diff. from Parent Avg	Increase in Reliability
EBI €	207	41%	28%	184	170	20%	+37	21%
Milk Sub Index €	55	51%	33%	57	67	25%	-12	28%
Fertility Sub Index €	132	32%	19%	111	75	18%	+53	16%
Calving Sub Index €	34	39%	28%	31	31	17%	+3	22%
Beef Sub Index €	-19	37%	18%	-20	-15	23%	-4	14%
Maintenance Sub Index €	3	33%	17%	3	7	19%	-4	14%
Health Sub Index €	2	47%	34%	2	1	19%	+1	28%
Milk Sub Index								
Milk (Kg)	143	51%	35%	151	250	25%	-107	26%
Fat (Kg)	11.4	51%	35%	12	14.4	25%	-3	26%
Protein (Kg)	9	51%	35%	9.4	12	25%	-3	28%
Fat (%)	0.11	51%	35%	0.12	0.09	25%	+0.02	28%
Protein (%)	0.08	51%	35%	0.08	0.07	25%	+0.01	28%
Fertility Sub Index								
Calv Int (Days)	-8.34	33%	20%	-7.08	-4.58	18%	-3.78	17%
Survival (%)	2.73	30%	18%	2.34	2.08	18%	+0.67	14%
Calving Sub Index								
Dir Calv Diff (%)	1.08	40%	24%	1.58	1.98	21%	-0.9	19%
Mat Calv Diff (%)	9.07	32%	17%	8.8	8.8	18%	+0.17	14%
Gest Len (Days)	-2.64	42%	32%	-2.3	-2.64	15%	0	27%
Cal Mort (%)	-0.93	21%	8%	-0.9	-0.7	14%	-0.23	7%
Beef Sub Index								
Cull Cow Weight (Kg)	-2.11	33%	17%	-2.2	-4.46	19%	+2.36	14%
Carcass Weight (Kg)	-7.78	38%	18%	-8.58	-5.54	24%	-2.24	14%
Carcass Conf (Grade)	-0.92	39%	18%	-0.91	-0.84	25%	-0.28	14%
Carcass Fat (%)	-0.12	33%	17%	-0.1	-0.02	20%	-0.1	13%
Maintenance Sub Index								
Cull Cow Weight (Kg)	-2.11	33%	17%	-2.2	-4.46	19%	+2.36	14%
Health Sub Index								
Lameness (Locomotion)	-0.75	24%	15%	-0.84				
Udder (SCC)	-0.05	49%	38%	-0.04	-0.02	20%	-0.03	29%
Explanatory Notes:								
Official Genomic Evaluation = the new official index based on combining the DNA information with the parental average information. DNA Value = the index based on DNA information only.								
Weighting on Genomics = the percentage of the official evaluation that is based on DNA information.								
For more information on Genomics terminology see attached sheet or on relevant section of our website www.icbf.com								

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4/4



ICAR

Technical Tour Booklet

Beef

Technical Tour

Thursday 31st May 2012

Beef Tours to the farms of

Jim & Audrey Parkinson and Ben & Elaine Ryall



Beef Technical Tour Overview

The goal of the Technical tours is to 'demonstrate how Irish dairy, beef & sheep farmers are using breeding and management information to maximise farm profitability'.

The Beef Technical Tour will be visiting two beef herds:

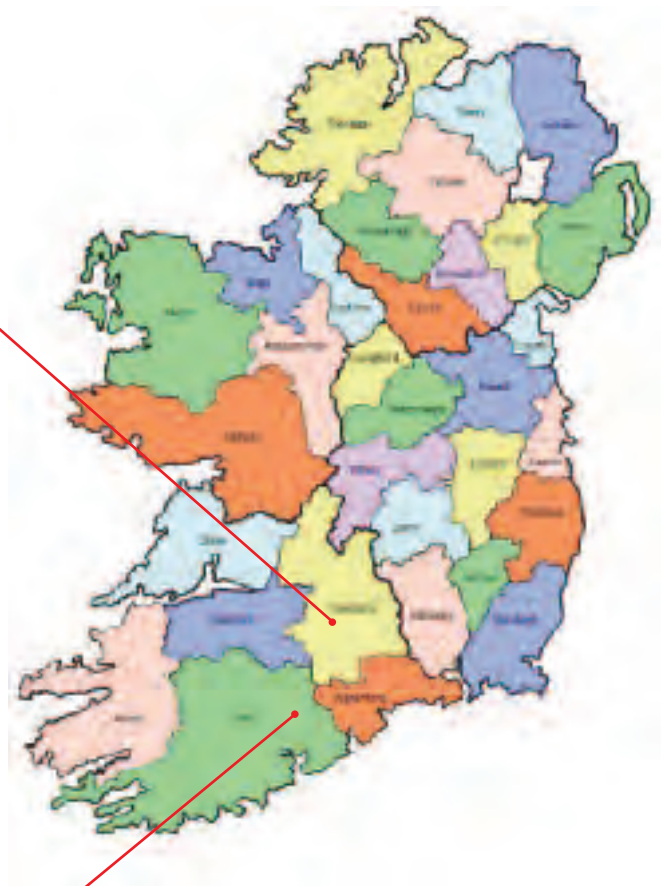
Beef Herd 1

Name: Jim & Audrey Parkinson.
Location: Marlhill, New Inn, Cashel, Co.Tipperary.
Distance from Rochestown Hotel: 90Kms
Travel Time: 1 Hour
System: Suckler Beef Herd with a beef finishing enterprise.



Beef Herd 2

Name: Ben & Elaine Ryall.
Location: Fellfort, Watergrasshill, Co.Cork.
Distance from Beef Herd 1: 66Kms
Travel Time: 50mins.
System: Pedigree Angus Beef Breeder



Visit to the farm of Jim & Audrey Parkinson

Marhill, New Inn, Cashel, Co.Tipperary



Beef Herd 1

Farm Overview

- Farming 77 ha (57 ha owned and 20 ha rented).
- Registered 104 calves in 2011. They have 35 pedigree Limousin cows and heifers. They also have approximately 65 commercial Limousin suckler cows.
- The Cork-Dublin motorway has contributed to the story of this farm. It was built in 2006. At the time Jim had been milking 60/65 dairy cows and had been running a pedigree Limousin herd alongside this. In 2007 he sold the dairy cows and expanded the suckler herd.
- In the commercial herd offspring are sold to maximise profit. This may mean selling weanlings or grazing some spring bulls for their second season, housing them at the start of Aug, putting them on adlib ration, and slaughtering them in the first week of October.
- Replacement Strategy: Ideally Jim would like to be able to breed replacements from his own herd. He will attempt to breed $\frac{3}{4}$ bred heifers from his $\frac{1}{2}$ bred black Limousin cows. He may also have to purchase some $\frac{1}{2}$ bred heifers. The future Maternal Index will prove useful to Jim as he will be able to breed more directly for increased milk in his herd.
- Business attitude: Being organized & being efficient at managing his time is very important to him. There has been a weighing scales on the farm for 28 years. This has been mostly used on the Commercial Herd to check that animals are thriving.

Calving Pattern & Breeding Replacements

- At the moment Jim is calving his cows in both the spring and the autumn (Sept-Mar). His plan is to move to an all autumn calving season. He is allowing the later spring calving cows to “slip” into autumn.
- Calving Interval a National Issue. While Jim had a problem with a sub clinically infertile bull last year, he is taking measures to improve calving interval. His experience is that a cow that repeats may well breed a heifer that will repeat herself, so these are not the ladies to be selecting as replacement heifers.
- Record keeping on this farm is excellent and Jim is aware of what the market requires and also what will lead to an easily managed system for himself and Audrey. (i.e. easy calving). So he keeps honest and accurate information on calving difficulty. Pedigree herds can have a big impact in this area. Because he is delivering bulls that are performing well in commercial herds he has a number of repeat buyers. There is no need to advertise as word of mouth does the selling for him.

Growing & Grazing Grass for profit

- Current stocking rate (approx)
 - 100 cows at 600kg
 - 83 calves at 200kg
 - 25 bulls at 520 kg
 - 20 heifers at 420 kg
 - 3 stock bulls.

20 ha closed for silage so 100,000kg of beef on 57 ha, or 1750kg/ha. This is equivalent to a grazing demand of 35kg DM/Ha. Some stock were housed at the beginning of May to cope with low growth rates, with 12 days of growth ahead. Growth of 30kg or more in the following week was anticipated, which would bring things back on track.

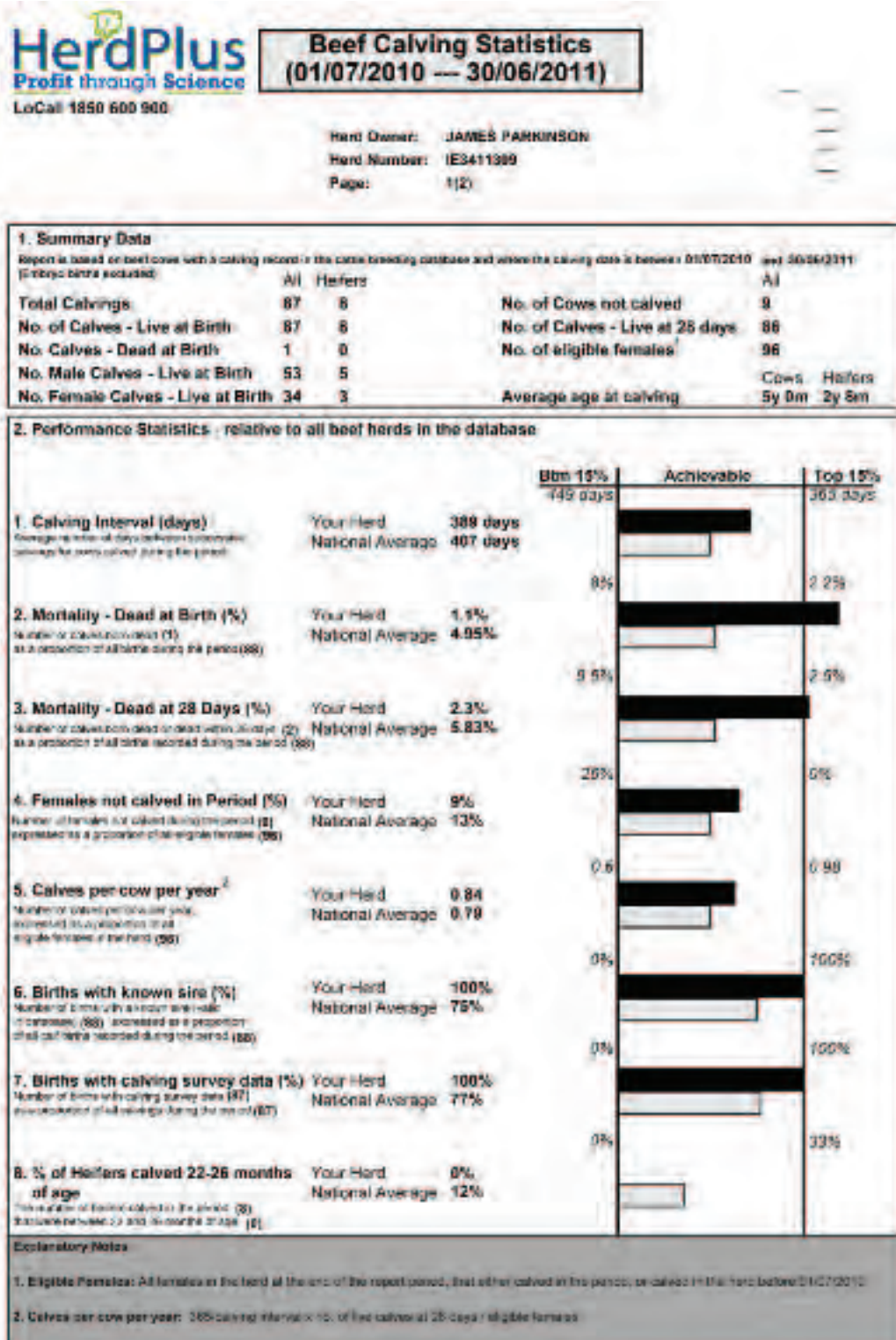
Jim walks his farm every week to monitor grass supply. He also uses a group of heifers and cull cows to clean off paddocks. He implements a rotational closing of paddocks in the autumn. In 2011 he commenced closing paddocks from Oct 10th. This spring he started turnout on Feb 10th with calved cows and later calving cows turned out as they

calved. Feb 10th was exceptionally early for Jim, due to the good weather conditions. Turnout would usually not occur until early March. Reseeding is only carried out where necessary as

perennial ryegrasses are persisting well in the swards due to the stocking rate and due to good management.

Calving Pattern

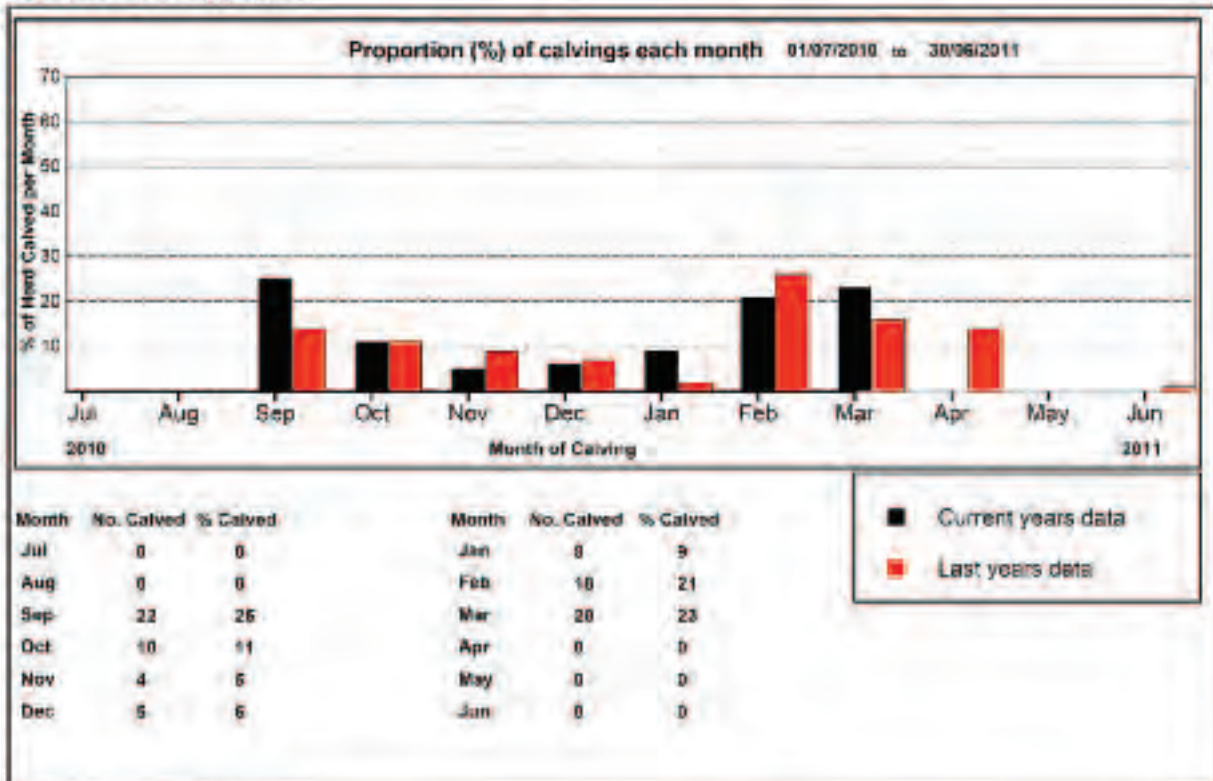
Herdplus® Calving Report



Beef Calving Statistics
(01/07/2010 --- 30/06/2011)

Herd Owner: JAMES PARKINSON
Herd Number: IE3411309
Page: 2(2)

3. Current Calving Pattern

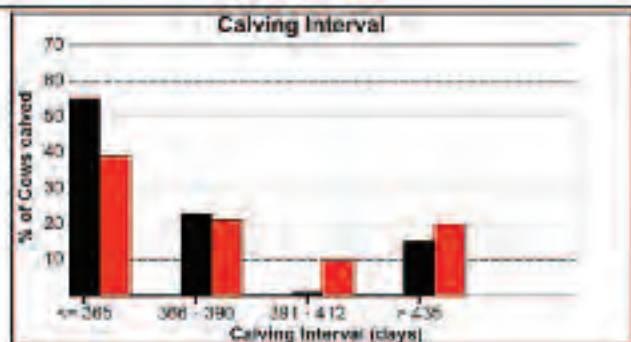


4. Additional Information

A. Calving Interval

Calving Interval	No. Calved	% Calved
% Cows calved ≤ 365 days	44	55
% Cows calved 366 - 390 days	10	23
% Cows calved 391 - 412 days	1	1
% Cows calved ≥ 413 days	12	15

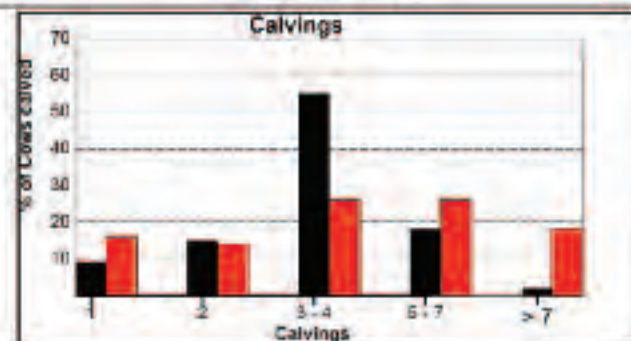
■ Your Herd
■ National Average



B. Number of Calvings

Calvings	No. cows	% of cows
1st Calving	8	8
2nd Calving	13	15
3rd - 4th Calving	48	55
5th - 7th Calving	16	18
> 7th Calving	2	2

■ Your Herd
■ National Average



Breeding Replacements

Herdplus® Euro-Star Report – Commercial Cows



LoCall 1850 600 900

€uro-Star Herd Report Commercial

Herd Owner: JAMES PARKINSON

Herd Number: 183411308

Data Extracted: 27/02/2012

Page: 1(2)

1. Beef €uro-Star Herd Summary - Cows

Average beef €uro-Star values for Commercial cows on your farm. Only animals with a sire are included in this report.

Suckler Beef Value										
Commercial		Beef Value		↓	Replacement			Additional Traits		
Group	No	Weaning Export	Beef Carcase		Daughter Fertility	Daughter Milk	Call Diff	Gestation Length	Docility	Muscle Skeletal
		Within Across	Within Across		Within Across	Within Across	Within Across	Within Across	Within Across	
All cows	65	€ 35	€ 24	€ 57	€ 24	€ 107	3.2	1.2	-0.08	
		*	*	***	***	*****	*****	*****		
		**	**	***	***	*****	*****	*****		
1st calving	0									
2nd calving	4	€ 32	€ 10	€ 49	€ 20	€ 127	3	0.7	-0.04	
		*	*	**	***	*****	*****	*****		
		**	**	**	***	*****	*****	*****		
3rd calving+	52	€ 36	€ 26	€ 58	€ 24	€ 106	3.2	1.2	-0.08	
		*	*	***	***	*****	*****	*****		
		**	**	***	***	*****	*****	*****		

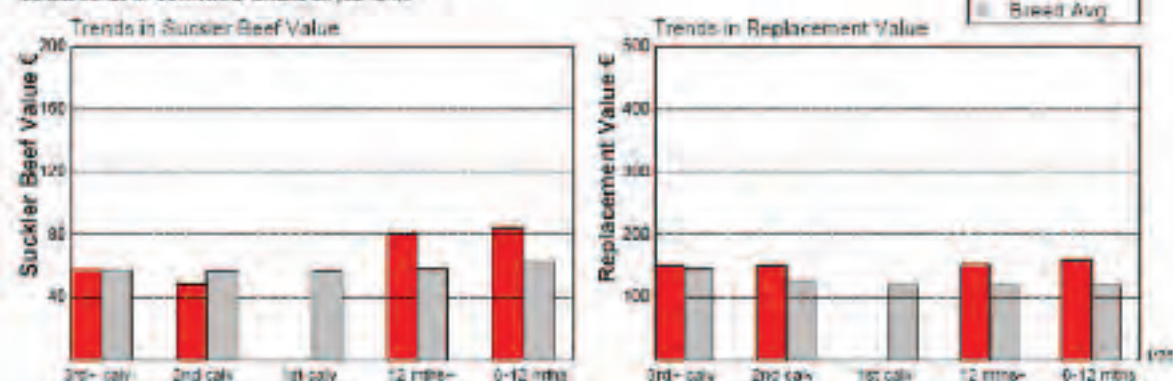
2. Beef €uro-Star Herd Summary - Female Young-stock

Average beef €uro-Star values for Commercial young-stock on your farm.

>12 months	20	€ 55	€ 59	€ 81	€ 1	€ 88	2.7	2	-0.12	
		****	****	*****	****	*	****	****		
		***	***	*****	***	***	***	***		
0-12 months	33	€ 58	€ 65	€ 84	€ 4	€ 51	3.7	2.3		
		****	****	*****	****	*	****	**		
		***	***	*****	***	***	***	***		

3. Beef €uro-Star Herd Summary - Genetic trends

Genetic trends for Commercial females on your farm.



Herdplus® Euro-Star Report – Pedigree Cows



LoCall 1850 800 900

Euro-Star Herd Report
Limousin

Herd Owner: JAMES PARKINSON

Herd Number: 883411309

Data Extracted: 27/02/2012

Page: 1(2)

1. Beef Euro-Star Herd Summary - Cows

Average beef Euro-Star values for pedigree Limousin cows on your farm. Only animals with a sire are included in the report.

Suckler Beef Value										
Limousin		Beef Value		↓ All-in Across	Replacement			Additional Traits		
Group	No.	Weaning Export	Beef Carcase		Daughter Fertility	Daughter Milk	Calf Diff	Genitition Length	Density	Muscle Skeletal
		Within Across	Within Across							
All cows	29	€ 63	€ 92	€ 85	-€ 23	€ 4	4.9	3.9	-0.05	106
		*****	*****	*****	+	*****	*****	***		104
1st calving	8	€ 70	€ 106	€ 101	-€ 29	-€ 6	8.6	3.9	-0.01	114
		*****	*****	*****	+	***	*****	***		108
2nd calving	7	€ 59	€ 94	€ 85	-€ 18	-€ 16	4.4	3.8	-0.12	106
		****	*****	*****	++	+	*****	****		100
3rd calving+	14	€ 61	€ 84	€ 75	-€ 22	€ 20	6.8	3.9	-0.06	102
		*****	*****	*****	+	*****	***	***		103

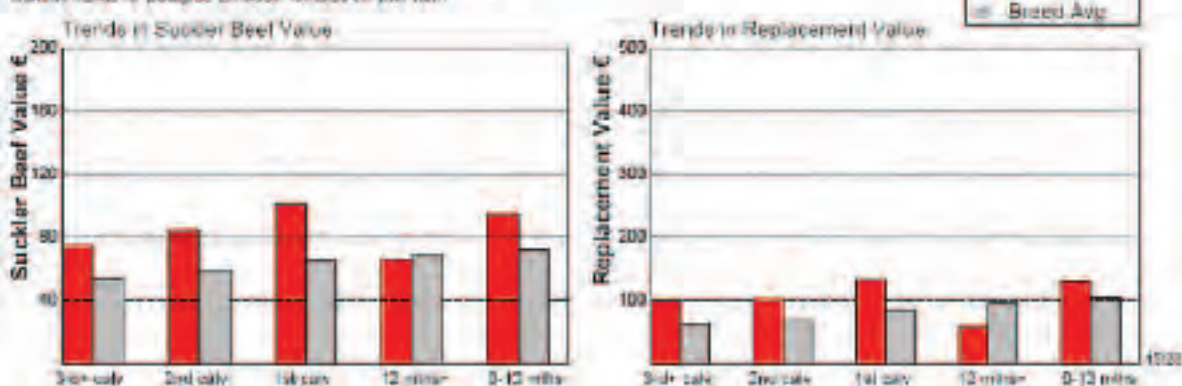
2. Beef Euro-Star Herd Summary - Female Young-stock

Average beef Euro-Star values for pedigree Limousin young-stock on your farm.

>12 months	17	€ 56	€ 79	€ 66	-€ 26	-€ 12	3.2	3.9	0.06	109
		***	*****	*****	++	+	*****	***		102
0-12 months	12	€ 74	€ 101	€ 95	-€ 18	-€ 9	5.9	3.7	0.07	114
		*****	*****	*****	++	++	*****	****		110

3. Beef Euro-Star Herd Summary - Genetic trends

Genetic trends for pedigree Limousin females on your farm



High v Low Maternal Index Demonstration

High Maternal Index Cows								
Tag	Age	Daughter Fertility	Rel%	Daughter Milk	Rel%	New Maternal Index	Age at first Calving	Calving Interval
IE341209780 333	9yrs & 8 mths old	★★★★	98%	★★★★★	71%	★★★★★	26 Mths	372 Days
IE341130910 943	4yrs & 2 mths old	★★★★★	93%	★★★★	37%	★★★★★	30 Mths	379 Days
IE341130970 742	6yrs & 3 mths old	★★★	26%	★★★★★	28%	★★★★★	31 Mths	360 Days
Group Average		★★★★	32%	★★★★★	45%	★★★★★	29 Mths	370 Days

Low Maternal Index Cows								
Tag	Age	Daughter Fertility	Rel%	Daughter Milk	Rel%	New Maternal Index	Age at first Calving	Calving Interval
IE341130960 642	7yrs & 5 mths old	★	34%	★★★★★	24%	★	28 Mths	392 Days
IE341130920 465	9yrs & 9 mths old	★	47%	★★★	71%	★	28 Mths	441 Days
IE341130910 761	6yrs & 4 mths old	★	97%	★★★★★	51%	★★	31 Mths	426 Days
Group Average		★	39%	★★★★	49%	★	29 Mths	420 Days

High Maternal Index Cows

Cow Tag ending: **333**

Animal Details			Ancestry Details			Euro-Star Index																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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* Birthweight of 40kg is assumed and is subtracted from the Weaning Weight when calculating Growth Rate.

** Docility - if animal is Lower Scored then this value is printed instead of the Supplier Cow Welfare Scheme value

Cow Tag ending: **943**

Animal Details			Ancestry Details			Euro-Star Index									
Jumbo:	943		Sire's Sire:	PNW		Within Breed		Index	Rel%	Across Breed					
Official Tag:	IE34112091040			PELLETSTOWN NEWMAN		★★★★★	Sucker Beef Value	€ 112	36%	★★★★★					
Animal Name:	MAR. HILL GOLDEN EYE		Sire's Dam:	PELLETSTOWN		Beef Value									
Date of Birth:	23/03/2000		Sire:	PELLETSTOWN (A) F		★★★★★	Weanling Export	€ 63	85%	★★★★★					
Breed:	LM (100%)			PELLETSTOWN (A) F		★★★★★	Beef Carcass	€ 101	40%	★★★★★					
Hardbook:	Refused Registered		Dam:	IL34112094062		Replacement Value									
Scored:	14/1/2002			WATKINS (A) F		★★★★★	Daughter Fertility	€ 26	33%	★★★★★					
Weighed:	14/1/2000		Dam's Sire:	IL3		★★★★★	Daughter Milk	€ 10	37%	★★★★★					
SLUP Index (Reliability 64%)				AGS (ER)		Other Key Traits									
MUSCLE	SKELETAL	DOOLITY	Dam's Dam:	WATKINS		★	Net Calving Diff %	7.23	36%	★★					
114	101	4.08		MAR HILL GOLDEN EYE		★★★	Gestation Length	110	15%	★					
						★★★★★	Daily	4.08	46%	★★					
Calving & Fertility Performance						Weanling & Carcass Performance									
Calving Date	Tag Number	Calving Survey	Calving Interval	Sex	Current Status	Sire	Age (days)	Weight (kg)	Growth (kg/day)	Price/kg	Call Quality	Docility	Age at Slaughter (months)	Carcass Cost & Fat	Carcass Weight
1	10000010	10000010	Normal	1	Good	30-00	10	255	1.05		Average	Good			
2	10000011	10000011	Normal	375	F	In hand	30-00	10							
* Birthweight of 40kg is assumed and is subtracted from the Weaning Weight when calculating Growth Kg/day. ** Docility: If animal is Under Scored then this value is 0.00 instead of the Sucker Cow Welfare Scheme value.															

Cow Tag ending: **742**

Animal Details			Ancestry Details			Euro-Star Index									
Jumbo: 742			Sire's Sire:	F11T		Within Breed	Index	Rel%	Across Breed						
Official Tag: IE34113091040			Sire's Dam:	ELITE POPPET		★★★★★	Sucker Beef Value	€ 123	37%	★★★★★					
Animal Name:			Sire's Sire:	VCA77430		Beef Value									
Date of Birth: 23/03/2000			Sire's Dam:	MARHILL GOLDEN EYE		★★★★★	Weanling Export	€ 64	70%	★★★★★					
Breed: HO (25%), LM (50%), UN (25%)			Sire:	IE34113091040		★★★★★	Beef Carcass	€ 71	35%	★★★★★					
Hardbook:			Dam:	MARHILL (A) F		Replacement Value									
Scored:			Dam's Sire:	WATKINS		★★★	Daughter Fertility	€ 26	33%	★★★★★					
Weighed:			Dam's Dam:	WATKINS (A) F		★★★★★	Daughter Milk	€ 11	37%	★★★★★					
SLUP Index (Reliability 16%)						Other Key Traits									
MUSCLE	SKELETAL	DOCILITY	Dam's Sire:	WATKINS		★	Net Calving Diff %	8.93	34%	★					
85	112		Dam's Dam:	WATKINS (A) F		★★★★★	Gestation Length	119	15%	★★★★★					
							Daily								
Calving & Fertility Performance					Weanling & Carcass Performance										
Calving Date	Tag Number	Calving Survey	Calving Interval	Sex	Current Status	Sire	Age (days)	Weight (kg)	Growth (kg/day)	Price/kg	Call Quality	Docility	Age at Slaughter (months)	Carcass Cost & Fat	Carcass Weight
1	05/08/2000	10341130910561	Normal	M	Dead	40-10	LM				9/Good	Good	10	U=2+	453
2	22/08/2000	10341130910550	Normal	SSD	F	Dead	30-00	LM			9/Good	Good	20	R=4-	339
3	08/08/2013	10341130911147	Normal	SSD	F	Sold	30-00	LM	315	436	1.28	9/Good	Average		
4	23/08/2011	10341130911237	Normal	SSD	F	In hand	30-00	LM							

Low Maternal Index Cows

Cow Tag ending: **642**

Animal Details			Ancestry Details				Euro-Star Index									
Jurisdiction:	642		Sire's Sire:	PI	Sire's Dam:	1042038484	Within Breed	Index	Rel%	Across Breed						
Official Tag:	IE341130980642			INTUITIVE		★	Subtle Beef Value	6.8	31%	★						
Animal Name:			Sire:	MAV	Dam:	RETRIMOTER	Beef Value									
Date of Birth:	00/01/2000			★ ★		Weaning Export	8.32	28%	★ ★							
Breed:	HD (40.85%), LW (50%), LM (5.35%)		Dam's Sire:		Dam's Dam:	VN4028100	★	Beef Carcass	38%	★						
Handbook:				Replacement Value												
Scored:			Docility				★	Daughter Fertility	6.24	34%	★					
Weighted:				★ ★ ★ ★ ★		Daughter Milk	6.128	24%	★ ★ ★ ★ ★							
BLUP Index (Reliability 29%)			Other Key Traits													
MUSCLE	SKELETAL	DOCILITY	★ ★ ★ ★								Mat Calving Diff %	5.76	48%	★ ★ ★		
68	104	4.07	★ ★ ★								Gestation Length	1.87	48%	★ ★ ★ ★		
			★ ★								Docility	0.07	32%	★ ★		
Calving & Fertility Performance							Weaning & Carcass Performance									
Calving Date	Tag Number	Calving Survey	Calving Interval	Sex	Current Status	Sire	Sire Breed	Age days	Weight Kgs	Growth Kgs/Day	Price/Kilo	Call Quality	Docility	Age at Slaughter (months)	Carcass Conf. & Fat	Carcass Weight
1 05/05/2001	IE341130980642	Normal		M	Dead	5048	AN							31	R2	285
2 06/10/2001	IE341130980643	S. Asses	131	F	Dead	10733	LM							U Good	U Good	274
3 11/02/2002	IE341130981003	Normal	341	M	Dead	10403	LM							0		
4 26/02/2010	IE341130981114	Normal	375	M	Dead	10919	LM	320	269	1.54		Average	Average	54	U-2	351
5 26/05/2011	IE341130981240	Normal	623	F	In hand	10919	LM									

Cow Tag ending: **465**

Animal Details			Ancestry Details			Euro-Star Index									
Jurisdiction:	465		Sire's Sire:	CRN		Within Breed		Index	Rel%	Across Breed					
Official Tag:	IE341130980465			CRUSON		★★	Subtle Beef Value	6.94	42%	★★					
Animal Name:	WARRIOR TOSKOR		Sire's Dam:	1281115102	GRACEUSE	Beef Value									
Date of Birth:	24/04/2003			★★★	Weaning Export	4.60	54%	★★★							
Breed:	LW (100%)		Sire:	TON		★★★★	Beef Carcass	6.82	51%	★★★★					
Handbook:	Redeye Registered			LORDON		Replacement Value									
Scored:	14/08/2003		Dam:	IE341130980642		★	Daughter Fertility	4.81	47%	★					
Weighted:	03/05/2003			MAVHILL RETURN		★★★	Daughter Milk	6.1	71%	★★★					
BLUP Index (Reliability 91%)			Dam's Sire:	DAU		Other Key Traits									
MUSCLE	SKELETAL	DOCILITY		DAUPHIN		★★★★	Mat Calving Diff %	5.35	54%	★★★★					
80	80	0.05	Dam's Dam:	VN4028100		★★	Gestation Length	1.3	34%	★					
				MAVHILL BRENE		★★★★	Docility	0.05	93%	★★★★					
Calving & Fertility Performance						Weaning & Carcass Performance									
								€							
Calving Date	Tag Number	Calving Survey	Calving Interval Sec	Current Status	Sire	Sire Breed	Age days	Weight Kgs	Growth Kgs/Day	Price/Kilo	Call Quality	Docility	Age at Slaughter (months)	Carcass Conf. & Fat	Carcass Weight
1 02/12/2004	IE341130980638	Normal		F	Sold	RTN	LM	273	315	1.2			Good		
2 18/12/2005	IE341130980712	S. Asses	385	F	In hand	RTN	LM								
3 08/03/2007	IE341130980889	Normal	445	F	In hand	RTN	LM								
4 01/03/2008	IE341130980931	Normal	357	M	Dead	48718	LM	345	469	1.42			U Good	U Good	42
5 24/03/2009	IE341130980936	Normal	383	M	Sold	36004	LM	354	269	1.2	Average	Good			622
6 04/12/2010	IE341130981191	Normal	515	M	Sold	36004	LM	355	329	1.25	Average	Average			
7 08/03/2012	IE341130981389	S. Asses	459	F	In hand	48872	LM								

Cow Tag ending: **761**

Animal Details			Ancestry Details			Euro-Star Index									
Junbo:	761		Sire's Sire:	ET90100982		Within Breed:		Index	Ratio	Across Breed					
Official Tag:	ET341130810761			Sire's Dam:	568100896		★	Sudder Beef Value	€27	38%	★				
Animal Name:					COLONNE		Beef Value								
Date of Birth:	18/02/2007		Sire:	HTA		★★	Weaning Export	€29	37%	★★					
Breed:	HO (21.85%), FR (28.18%), LM (50.97)			Dam:	HORTENSA		★	Beef Carcass	€27	41%	★				
Herdbook Record:					ET34113009019		★	Replacement Value							
Weight:						★★★★★	Daughter Fattish	€4	37%	★★★★★					
SLUP Index (Reliability 26%)			Dam's Sire:	845		Other Key Traits									
	MUSCLE	SKELETAL		COCHLY	Dam's Dam:	BARROWALE TORELO 20		★	Min. Caking Diff	€2	44%	★			
82	102			ET34113001240			★★★	Carcass Length	1.8	51%	★★★★★				
						Dewey									
Calving & Fertility Performance								Weanling & Carcass Performance							
Calving Date	Tag Number	Calving Survey Interval	Calving Status	Current Status	Site	Site	Age days	Weight kg	Growth kg/day	Price/€	Cost Quality	Locality	Age at Slaughter (months)	Carcass Corr. & Fat	Carcass Weight
14/09/2008	ET34113081062	S. Asses	18	Dead	30730 LM						V. Good	Average	18	R14	316
13/12/2008	ET34113081060	Normal	456	Dead	40906 LM						Average	Average	19	U23	317
08/03/2011	ET34113081058	Normal	485	In Hand	10018 LM	210	325	1.28			Average	Average			
13/03/2012	ET34113081051	Not Asses	357	Dead	10074 LM										

Herdplus Bull Tracker Report – Current Stockbull

Current Stockbull																		
Animal Details					Ancestry Details					Euro-Star Index (08/05/2012)								
Junbo:	Junbo				Sire's Sire:	Pave				Within Breed:	Index:	Ratio:	Across Breed					
Official Tag:	ET34113081062 / MARSHALL DWARF				Sire's Dam:	PELLETSTOWN RICHMAN				★★★★★	Sudder Beef Value:	€27 38%	★★★★★					
Date of Birth:	18/02/2007					ET34113031004					Beef Value							
Breed:	LM (100%)					PELLETSTOWN PAGE ET				★★★★★	Weaning Export:	€29 37%	★★★★★					
Herdbook:	Accepted registered									★	Beef Carcass:	€27 41%	★					
Sex:	Male										Replacement Value							
Property:	WV 28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-100-101-102-103-104-105-106-107-108-109-110-111-112-113-114-115-116-117-118-119-120-121-122-123-124-125-126-127-128-129-130-131-132-133-134-135-136-137-138-139-140-141-142-143-144-145-146-147-148-149-150-151-152-153-154-155-156-157-158-159-160-161-162-163-164-165-166-167-168-169-170-171-172-173-174-175-176-177-178-179-180-181-182-183-184-185-186-187-188-189-190-191-192-193-194-195-196-197-198-199-200-201-202-203-204-205-206-207-208-209-210-211-212-213-214-215-216-217-218-219-220-221-222-223-224-225-226-227-228-229-230-231-232-233-234-235-236-237-238-239-240-241-242-243-244-245-246-247-248-249-250-251-252-253-254-255-256-257-258-259-260-261-262-263-264-265-266-267-268-269-270-271-272-273-274-275-276-277-278-279-280-281-282-283-284-285-286-287-288-289-290-291-292-293-294-295-296-297-298-299-300-301-302-303-304-305-306-307-308-309-310-311-312-313-314-315-316-317-318-319-320-321-322-323-324-325-326-327-328-329-330-331-332-333-334-335-336-337-338-339-340-341-342-343-344-345-346-347-348-349-350-351-352-353-354-355-356-357-358-359-360-361-362-363-364-365-366-367-368-369-370-371-372-373-374-375-376-377-378-379-380-381-382-383-384-385-386-387-388-389-390-391-392-393-394-395-396-397-398-399-400-401-402-403-404-405-406-407-408-409-410-411-412-413-414-415-416-417-418-419-420-421-422-423-424-425-426-427-428-429-430-431-432-433-434-435-436-437-438-439-440-441-442-443-444-445-446-447-448-449-450-451-452-453-454-455-456-457-458-459-460-461-462-463-464-465-466-467-468-469-470-471-472-473-474-475-476-477-478-479-480-481-482-483-484-485-486-487-488-489-490-491-492-493-494-495-496-497-498-499-500-501-502-503-504-505-506-507-508-509-510-511-512-513-514-515-516-517-518-519-520-521-522-523-524-525-526-527-528-529-530-531-532-533-534-535-536-537-538-539-540-541-542-543-544-545-546-547-548-549-550-551-552-553-554-555-556-557-558-559-560-561-562-563-564-565-566-567-568-569-570-571-572-573-574-575-576-577-578-579-580-581-582-583-584-585-586-587-588-589-590-591-592-593-594-595-596-597-598-599-600-601-602-603-604-605-606-607-608-609-610-611-612-613-614-615-616-617-618-619-620-621-622-623-624-625-626-627-628-629-630-631-632-633-634-635-636-637-638-639-640-641-642-643-644-645-646-647-648-649-650-651-652-653-654-655-656-657-658-659-660-661-662-663-664-665-666-667-668-669-670-671-672-673-674-675-676-677-678-679-680-681-682-683-684-685-686-687-688-689-690-691-692-693-694-695-696-697-698-699-700-701-702-703-704-705-706-707-708-709-710-711-712-713-714-715-716-717-718-719-720-721-722-723-724-725-726-727-728-729-730-731-732-733-734-735-736-737-738-739-740-741-742-743-744-745-746-747-748-749-750-751-752-753-754-755-756-757-758-759-760-761-762-763-764-765-766-767-768-769-770-771-772-773-774-775-776-777-778-779-780-781-782-783-784-785-786-787-788-789-790-791-792-793-794-795-796-797-798-799-800-801-802-803-804-805-806-807-808-809-810-811-812-813-814-815-816-817-818-819-820-821-822-823-824-825-826-827-828-829-830-831-832-833-834-835-836-837-838-839-840-841-842-843-844-845-846-847-848-849-850-851-852-853-854-855-856-857-858-859-860-861-862-863-864-865-866-867-868-869-870-871-872-873-874-875-876-877-878-879-880-881-882-883-884-885-886-887-888-889-890-891-892-893-894-895-896-897-898-899-900-901-902-903-904-905-906-907-908-909-910-911-912-913-914-915-916-917-918-919-920-921-922-923-924-925-926-927-928-929-930-931-932-933-934-935-936-937-938-939-940-941-942-943-944-945-946-947-948-949-950-951-952-953-954-955-956-957-958-959-960-961-962-963-964-965-966-967-968-969-970-971-972-973-974-975-976-977-978-979-980-981-982-983-984-985-986-987-988-989-990-991-992-993-994-995-996-997-998-999-1000-1001-1002-1003-1004-1005-1006-1007-1008-1009-1010-1011-1012-1013-1014-1015-1016-1017-1018-1019-1020-1021-1022-1023-1024-1025-1026-1027-1028-1029-1030-1031-1032-1033-1034-1035-1036-1037-1038-1039-1040-1041-1042-1043-1044-1045-1046-1047-1048-1049-1050-1051-1052-1053-1054-1055-1056-1057-1058-1059-1060-1061-1062-1063-1064-1065-1066-1067-1068-1069-1070-1071-1072-1073-1074-1075-1076-1077-1078-1079-1080-1081-1082-1083-1084-1085-1086-1087-1088-1089-1090-1091-1092-1093-1094-1095-1096-1097-1098-1099-1100-1101-1102-1103-1104-1105-1106-1107-1108-1109-1110-1111-1112-1113-1114-1115-1116-1117-1118-1119-1120-																	
Current Stockbull Details					Ancestry Details					Euro-Star Index (08/05/2012)								
Category:	LM	LM	LM	LM	Category:	LM	LM	LM	LM	Category:	LM	LM	LM	LM				
Official Tag:	ET34113081062	ET34113081062	ET34113081062	ET34113081062	Official Tag:	ET34113081062	ET34113081062	ET34113081062	ET34113081062	Official Tag:	ET34113081062	ET34113081062	ET34113081062	ET34113081062				
Breed:	LM (100%)	LM (100%)	LM (100%)	LM (100%)	Breed:	LM (100%)	LM (100%)	LM (100%)	LM (100%)	Breed:	LM (100%)	LM (100%)	LM (100%)	LM (100%)				
Herdbook:	Accepted registered	Accepted registered	Accepted registered	Accepted registered	Herdbook:	Accepted registered	Accepted registered	Accepted registered	Accepted registered	Herdbook:	Accepted registered	Accepted registered	Accepted registered	Accepted registered				
Sex:	Male	Male	Male	Male	Sex:	Male	Male	Male	Male	Sex:	Male	Male	Male	Male				
Property:	WV 28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-100-101-102-103-104-105-106-107-108-109-110-111-112-113-114-115-116-117-118-119-120-121-122-123-124-125-126-127-128-129-130-131-132-133-134-135-136-137-138-139-140-141-142-143-144-145-146-147-148-149-150-151-152-153-154-155-156-157-158-159-160-161-162-163-164-165-166-167-168-169-170-171-172-173-174-175-176-177-178-179-180-181-182-183-184-185-186-187-188-189-190-191-192-193-194-195-196-197-198-199-200-201-202-203-204-205-206-207-208-209-210-211-212-213-214-215-216-217-218-219-220-221-222-223-224-225-226-227-228-229-230-231-232-233-234-235-236-237-238-239-240-241-242-243-244-245-246-247-248-249-250-251-252-253-254-255-256-257-258-259-260-261-262-263-264-265-266-267-268-269-270-271-272-273-274-275-276-277-278-279-280-281-282-283-284-285-286-287-288-289-290-291-292-293-294-295-296-297-298-299-300-301-302-303-304-305-306-307-308-309-310-311-312-313-314-315-316-317-318-319-320-321-322-323-324-325-326-327-328-329-330-331-332-333-334-335-336-337-338-339-340-341-342-343-344-345-346-347-348-349-350-351-352-353-354-355-356-357-358-359-360-361-362-363-364-365-366-367-368-369-370-371-372-373-374-375-376-377-378-379-380-381-382-383-384-385-386-387-388-389-390-391-392-393-394-395-396-397-398-399-400-401-402-403-404-405-406-407-408-409-410-411-412-413-414-415-416-417-418-419-420-421-422-423-424-425-426-427-428-429-430-431-432-433-434-435-436-437-438-439-440-441-442-443-444-445-446-447-448-449-450-451-452-453-454-455-456-457-458-459-460-461-462-463-464-465-466-467-468-469-470-471-472-473-474-475-476-477-478-479-480-481-482-483-484-485-486-487-488-489-490-491-492-493-494-495-496-497-498-499-500-501-502-503-504-505-506-507-508-509-510-511-512-513-514-515-516-517-518-519-520-521-522-523-524-525-526-527-528-529-530-531-532-533-534-535-536-537-538-539-540-541-542-543-544-545-546-547-548-549-550-551-552-553-554-555-556-557-558-559-560-561-562-563-564-565-566-567-568-569-570-571-572-573-574-575-576-577-578-579-580-581-582-583-584-585-586-587-588-589-590-591-592-593-594-595-596-597-598-599-600-601-602-603-604-605-606-607-608-609-610-611-612-613-614-615-616-617-618-619-620-621-622-623-624-625-626-627-628-629-630-631-632-633-634-635-636-637-638-639-640-641-642-643-644-645-646-647-648-649-650-651-652-653-654-655-656-657-658-659-660-661-662-663-664-665-666-667-668-669-670-671-672-673-674-675-676-677-678-679-680-681-682-683-684-685-686-687-688-689-690-691-692-693-694-695-696-697-698-699-700-701-702-703-704-705-706-707-708-709-710-711-712-713-714-715-716-717-718-719-720-721-722-723-724-725-726-727-728-729-730-731-732-733-734-735-736-737-738-739-740-741-742-743-744-745-746-747-748-749-750-751-752-753-754-755-756-757-758-759-760-761-762-763-764-765-766-767-768-769-770-771-772-773-774-775-776-777-778-779-780-781-782-783-784-785-786-787-788-789-790-791-792-793-794-795-796-797-798-799-800-801-802-803-804-805-806-807-808-809-810-811-812-813-814-815-816-817-818-819-820-821-822-823-824-825-826-827-828-829-830-831-832-833-834-835-836-837-838-839-840-841-842-843-844-845-846-847-848-849-850-851-852-853-854-855-856-857-858-859-860-861-862-863-864-865-866-867-868-869-870-871-872-873-874-875-876-877-878-879-880-881-882-883-884-885-886-887-888-889-890-891-892-893-894-895-896-897-898-899-900-901-902-903-904-905-906-907-908-909-910-911-912-913-914-915-916-917-918-919-920-921-922-923-924-925-926-927-928-929-930-931-932-933-934-935-936-937-938-939-940-941-942-943-944-945-946-947-948-949-950-951-952-953-954-955-956-957-958-959-960-961-962-963-964-965-966-967-968-969-970-971-972-973-974-975-976-977-978-979-980-981-982-983-984-985-986-987-988-989-990-991-992-993-994-995-996-997-998-999-1000-1001-1002-1003-1004-1005-1006-1007-1008-1009-1010-1011-1012-1013-1014-1015-1016-1017-1018-1019-1020-1021-1022-1023-1024-1025-1026-1027-1028-1029-1030-1031-1032-1033-1034-1035-1036-1037-1038-1039-1040-1041-1042-1043-1044-1045-1046-1047-1048-1049-1050-1051-1052-1053-1054-1055-1056-1057-1058-1059-1060-1061-1062-1063-1064-1065-1066-1067-1068-1069-1070-1071-1072-1073-1074-1075-1076-1077-1078-1079-1080-1081-1082-1083-1084-1085-1086-1087-1088-1089-1090-1091-1092-1093-1094-1095-1096-1097-1098-1099-1100-1101-1102-1103-1104-1105-1106-1107-1108-1109-1110-1111-1112-1113-1114-1115-1116-1117-1118-1119-1120-																	
Current Stockbull Details					Ancestry Details					Euro-Star Index (08/05/2012)								
Category:	LM	LM	LM	LM	Category:	LM	LM	LM	LM	Category:	LM	LM	LM	LM				
Official Tag:	ET34113081062	ET34113081062	ET34113081062	ET34113081062	Official Tag:	ET34113081062	ET34113081062	ET34113081062	ET34113081062	Official Tag:	ET34113081062	ET34113081062	ET34113081062	ET34113081062				
Breed:	LM (100%)	LM (100%)	LM (100%)	LM (100%)	Breed:	LM (100%)	LM (100%)	LM (100%)	LM (100%)	Breed:	LM (100%)	LM (100%)	LM (100%)	LM (100%)				
Herdbook:	Accepted registered	Accepted registered	Accepted registered	Accepted registered	Herdbook:	Accepted registered	Accepted registered	Accepted registered	Accepted registered	Herdbook:	Accepted registered	Accepted registered	Accepted registered	Accepted registered				
Sex:	Male	Male	Male	Male	Sex:	Male	Male	Male	Male	Sex:	Male	Male	Male	Male				
Property:	WV 28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-100-101-102-103-104-105-106-107-108-109-110-111-112-113-114-115-116-117-118-119-120-121-122-123-124-125-126-127-128-129-130-131-132-133-134-135-136-137-138-139-140-141-142-143-144-145-146-147-148-149-150-151-152-153-154-155-156-157-158-159-160-161-162-163-164-165-166-167-168-169-170-171-172-173-174-175-176-177-178-179-180-181-182-183-184-185-186-187-188-189-190-191-192-193-194-195-196-197-198-199-200-201-202-203-204-205-206-207-208-209-210-211-212-213-214-215-216-217-218-219-220-221-222-223-224-225-226-227-228-229-230-231-232-233-234-235-236-237-238-239-240-241-242-243-244-245-246-247-248-249-250-251-252-253-254-255-256-257-258-259-260-261-262-263-264-265-266-267-268-269-270-271-272-273-274-275-276-277-278-279-280-281-282-283-284-285-286-287-288-289-290-291-292-293-294-295-296-297-298-299-300-301-302-303-304-305-306-307-308-309-310-311-312-313-314-315-316-317-318-319-320-321-322-323-324-325-326-327-328-329-330-331-332-333-334-335-336-337-338-339-340-341-342-343-344-345-346-347-348-349-350-351-352-353-354-355-356-357-358-359-360-361-362-363-364-365-366-367-368-369-370-371-372-373-374-375-376-377-378-379-380-381-382-383-384-385-386-387-388-389-390-391-392-393-394-395-396-397-398-399-400-401-4																	

Bull Sale Catalogue Page – New Stockbull

Lot 1		Woodview Gregory		Breed: Limousin	
IE121584860811		DOB: 28-Jan-2011		Male	
Owner: James Parkinson - Marlhill Newinn Cashel Co Tipperary					
Breeder: David Abbott - Woodview House Drumcrow Killeshandra Cavan Co Cavan					
Sire:		Gunnerfleet Plunga SBV = €117 (60%)		Tunnelby Monkeycricks	
Fieldson Alfie (S511)		Eden Natasha SBV = €115 (53%)		Gunnerfleet Luna	
SBV = €147 (78%)				Broadmeadows Cannon	
				Birtos Daisy	
Dam:		Barnhall Harry SBV = €66 (34%)		Orion	
Woodview Peggy		Keelaclohane Jody SBV = €55 (47%)		Pallistown Alden	
IE121584880193 SBV = €93 (53%)				Ulysses	
				Somerset Emerald	
Euro-Star Indexes					
% Rank	Star Rating (within breed)	Indexes & Traits	Euro-Value	Data Reliability	Relative Data Reliability Comment
98%	★★★★★	Suckler Beef Value (SBV)	€129	38%	High
91%	★★★★★	Weanling Export	€76	46%	High
95%	★★★★★	Beef Carcass	€106	38%	High
83%	★★★★★	Daughter Fertility	€27	19%	Medium
84%	★★★★★	Daughter Milk	€23	28%	Medium
Other Key Traits					
73%	★★★★	Calving Difficulty	4.7%	43%	High
63%	★★★★	Gestation Length		51%	High
96%	★★★★★	Docility		46%	Medium
GROW Linear Score Evaluation (Within-Breed Percentiles)				BLUP Composites (Within Breed)	
Animal scored, Linear scores and weaning weights in evaluations					
Wither width	Good		Wide		
Wither length	Good		Wide		
Body development	Thin		Thin		
Body length	Good		High		
Body width	Good		Wide		
Body height	Small		Tall		
Length of back	Good		Long		
Length of ribs	Good		Long		
Wither to hip	Good		Wide		
Locomotion	Good		Good		
Feet and Leg Descriptions					
Front leg view	Good		Good		
Front leg view	Good		Good		
Front leg view	Good		Good		
Standard deviation from breed average					
Copyright, Irish Cattle Breeding Federation (ICBF)					

Growing and Grazing Grass for Profit

TEAGASC

Grazed Grass Costs Vs. Other feed – Source: Finneran (2010)

	Total Costs (€/t UDM)	€/1000 UFL	Relative to grazed grass
Grass (80% utilised)	75	73	1
Silage	185	230	3.15
Rolled Barley	188	162	2.22

Potential of Grass on Beef Farms

Grazed grass is the cheapest feed on beef farms and offers the most potential to increase profitability.

How can the potential of grass be harnessed in beef systems?

In the future, the main technical efficiency that can be increased on beef farms is the conversion of grass into meat. While we have been used to direct payments in the past two decades, by 2015 we will almost certainly see a reduction in these payments and a move towards higher stocking rate beef systems, something which has been restricted by environmental schemes, etc. in recent years.

Increasing grass utilisation

Beef farms currently have low stocking rates. The top third National Farm Survey (NFS) cattle farms are stocked at 1.7 livestock units (LU)/ ha with the top third of eProfit monitor cattle farms stocked at 1.95 LU/ ha. Nationally cattle farms are stocked at 1.1 LU/ha. Within these stocking rates there is considerable scope to increase the proportion of grass in the grazing animal's diet.

While there are a variety of beef systems practised commercially, overall grass utilisation is low nationally at approximately 4.8 t DM/ha. The target should be to move towards 10t DM/ha. To begin examining how grass utilisation can be increased, the grazing season must be broken into the three main grazing periods - spring, summer and autumn.

Spring grass utilisation

Early spring grazing has beneficial effects on animal and sward performance. Turning animals out to grass early can substantially reduce the overall concentrate and grass silage feed budget. There are a number of important benefits to grazing animals in early spring:

- Reduced feed costs
- Reduced labour input
- Reduced slurry accumulation
- Increased animal performance

Using the **Spring Rotation Planner** is the best way to ensure adequate grass supply and to allow recovery for the second rotation.

- Spring Rotation Planner
- Calculate area to be grazed in the spring (include silage ground if grazing)
- Graze 20% by March 1st
- Graze further 20% by March 17th
- Graze a further 60% by Magic Day (end of 1st week of April – normally!)

On Jim's farm turnout started on Feb 10th with calved cows. Later calving cows were turned out as they calved. Feb 10th was exceptionally early for Jim, due to the good weather conditions; turnout would normally be early March. Because of exceptionally poor grass growths this April some cattle were rehoused. This is the key to spring grazing in that a flexible approach is always required.

Mid season grazing Management

The target here is to keep quality grass with high leaf content ahead of stock:

- Keep rotation length at 20/21 days.
- Target pre-grazing yields of 1300-1500kg DM/Ha
- Skip heavy covers and remove as round bales

The most important thing to do is to walk the farm and get a handle on the amount of grass ahead of stock. Jim walks his farm weekly to assess the grass supply. To maintain a rotation length of 21 days 10-12 days grass supply ahead is adequate.

Autumn Grassland Management

There are two key periods in autumn: (i) the period of autumn grass build up and (ii) managing the final rotation.

The targets are:

- Stretch out grazing rotation by 30 days by end of September
- Use the **Autumn Planner** for closing Paddocks, 60% of the grazing area should be grazed and closed by Nov 1st.

Jim implements a rotational closing system in the autumn. In 2011 he commenced closing paddocks from Oct 10th. This allowed Jim to turnout cattle on Feb 10th this spring.

Summary

Grazing management can be summarised by saying that you need to "Hope for the best and prepare for the worst!" It means putting faith in systems and coming up with ways to tweak the systems to suit your own farm and the weather conditions. It's about finding ways to get more, better quality grass into cattle, after all "Is Feidir Linn!"



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Visit to the farm of Ben & Elaine Ryall

Fellfort, Watergrasshill, Co. Cork



Beef Herd 2

Farm Overview

- Farming 78 ha, 50 ha grass and 28 ha tillage. Straw used on farm. Most of the grain is sold. The soil type is mixed with some exceptionally good ground and some wet land.
- They are running a 70 cow pedigree Aberdeen Angus herd. They have been gradually expanding over the years by about 5 cows pa. The calving pattern is split between spring and autumn. They will continue with this as so as they will have bulls for sale at different ages. It also means that their Stockbull can be used to cover more cows. Ben had operated a number of cattle systems previous to the Single Farm Payment which included buying weanlings for slaughter. However, there had always been a pedigree Aberdeen Angus Herd on the farm. It was decided with the introduction of the SFP to fully concentrate on the pedigree herd.

Breeding Pedigree Bulls

- The bulls are all sold out of the yard, mostly to dairy farmers. The idea is that the farmer gets a fit working bull and that inputs are kept low on the farm. The main driver on the farm is profit (and profit is driven by the average of the herd, not just the top performers) and Jim and Elaine would see that the pedigree herd adds value to their product as does the Angus Scheme for slaughtered cattle. Heifers not selected as replacements are either exported or are fattened for slaughter (current heifers will be slaughtered with a carcass weight of about 230kg.)
- Calving Ease is a key requirement for the dairy

farmer and any Stockbull's purchased for breeding must be 5 stars for calving ease. Ben has noticed that there has been an increase in the number of farmers who will base a decision on bull purchase on ICBF figures. This trend is particularly noticeable with younger farmers.

Sustainable Beef Production

- The herd is a completely closed herd. The only animals being introduced to the herd are Stockbull's and these bulls are isolated from the main herd and must pass all of the relevant health tests before being allowed join the main herd.
- Disease issues – luckily the motorway and local roads provide a natural barrier so there is no nose-nose contact with stock from neighbouring farms. BVD testing has been carried out for a number of years. Bulls are tested for BVD before arriving on the farm. On arrival they are quarantined and tested for IBR. IBR vaccination is not carried out on the farm.
- As part of BQAS, a carbon footprint has been completed for the farm. This is a requirement under the BQAS
- One of the key selling points of Irish beef lies in the sustainability of its production. Bord Bia is planning to launch a new 'umbrella brand' initiative for Irish food this summer, which will encompass beef. Sustainability will be at the core of this programme. which will aim to build awareness of Irish food across all of the main target markets. It is well documented that Irish agriculture is among the very best performers in Europe in terms of the carbon footprint of its dairy, beef, pork and other meat sectors. Building further on this reputation, members of Bord Bia's Quality Assurance Scheme for beef now undergo a sustainability survey at the time of completing their farm audit. While each farm's results are confidential, producers receive feedback to allow them to further improve their environmental performance. Because Quality Assured producers account for almost 80% of total cattle supplies, the positive results coming out of these surveys tell a very good story about Irish beef as a whole, and form an integral part of Bord Bia's promotion and communication with customers.

Breeding Pedigree Bulls

Herdplus Calving Report



Beef Calving Statistics (01/07/2010 --- 30/06/2011)

Herd Owner: BEN RYALL
Herd Number: IE1516772
Page: 1(2)

1. Summary Data				
Report is based on beef cows with a calving record in the cattle breeding database and where the calving date is between 01/07/2010 and 30/06/2011 (Embryo births excluded)				
	All	Heifers		All
Total Calvings	65	14	No. of Cows not calved	2
No. of Calves - Live at Birth	63	11	No. of Calves - Live at 28 days	63
No. Calves - Dead at Birth	4	3	No. of eligible females	67
No. Male Calves - Live at Birth	36	7		
No. Female Calves - Live at Birth	27	4	Average age at calving	Cows 5y 8m Heifers 2y 8m

2. Performance Statistics - relative to all beef herds in the database

			Btn 15% 449 days	Achievable	Top 15% 365 days
1. Calving Interval (days) Average number of days between successive calvings for cows calved during the period.	Your Herd National Average	368 days 407 days			
2. Mortality - Dead at Birth (%) Number of calves born dead (4) as a proportion of all births during the period (67)	Your Herd National Average	6% 4.95%	8%		2.2%
3. Mortality - Dead at 28 Days (%) Number of calves born dead or dead within 28 days (4) as a proportion of all births recorded during the period (67)	Your Herd National Average	6% 5.83%	9.5%		2.5%
4. Females not calved in Period (%) Number of females not calved during the period (2) expressed as a proportion of all eligible females (67)	Your Herd National Average	3% 13%	26%		0%
5. Calves per cow per year² Number of calves per cow per year expressed as a proportion of all eligible females in heifers (67)	Your Herd National Average	0.93 0.79	0.6		0.98
6. Births with known sire (%) Number of births with known sire (14) in database (67) expressed as a proportion of all births recorded during the period (67)	Your Herd National Average	100% 75%	0%		100%
7. Births with calving survey data (%) Number of births with calving survey data (68) as a proportion of all calving survey live cows (65)	Your Herd National Average	100% 77%	0%		100%
8. % of Heifers calved 22-26 months of age The number of heifers calved in the period (14) that were between 22 and 26 months of age (0)	Your Herd National Average	0% 12%	0%		33%

Explanatory Notes

- Eligible Females:** All females in the herd at the end of the report period, that either calved in this period, or calved in the herd before 01/07/2010.
- Calves per cow per year:** $365 / \text{Calving interval} \times \text{no. of live calves at 28 days} / \text{eligible females}$

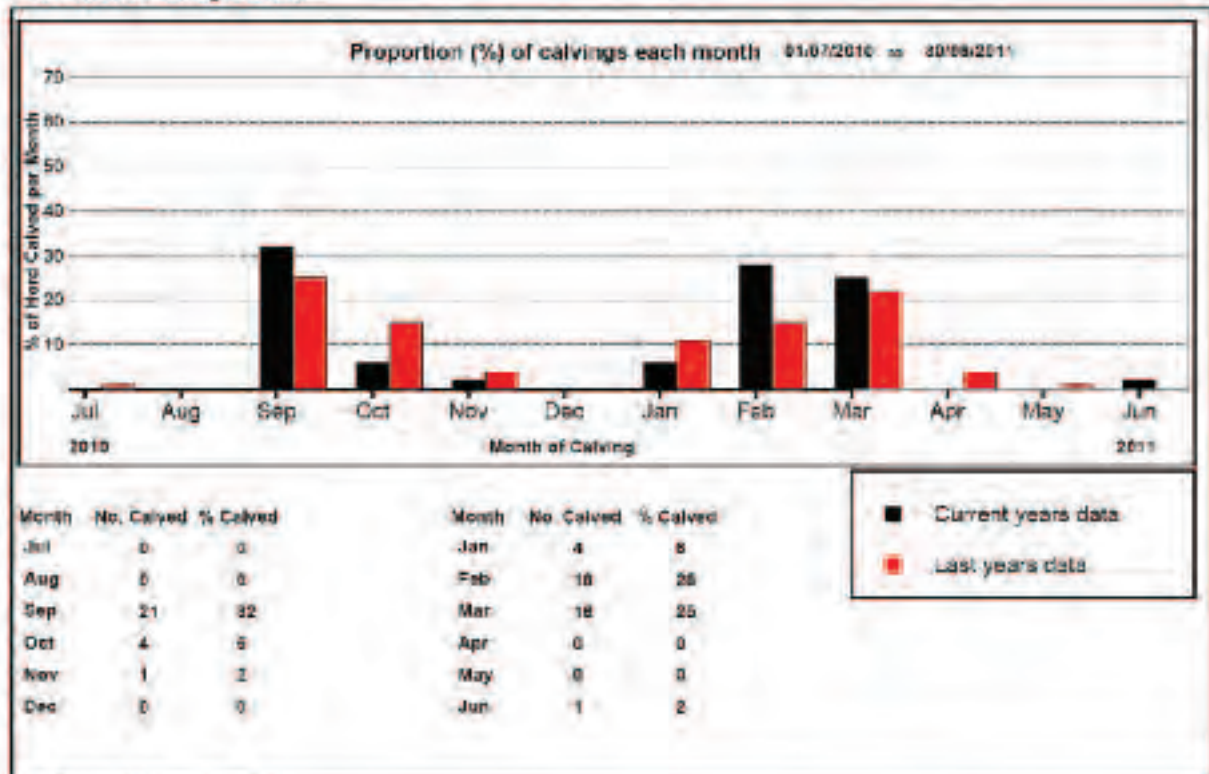
Beef Calving Statistics
 (01/07/2010 — 30/06/2011)

Herd Owner: BEN RYALL

Herd Number: IE1516772

Page: 2(2)

3. Current Calving Pattern

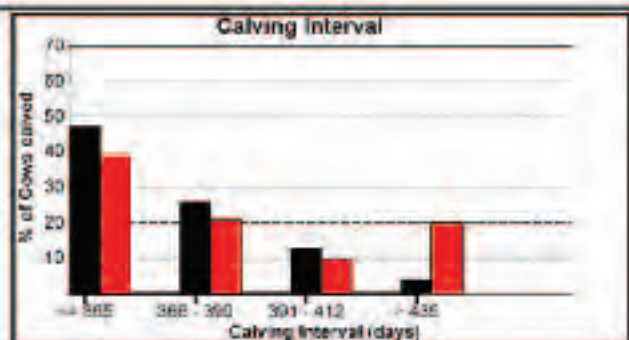


4. Additional Information

A. Calving Interval

Calving Interval	No. Calved	% Calved
% Cows calved ≤ 365 days	20	47
% Cows calved 366 - 390 days	14	29
% Cows calved 391 - 412 days	7	13
% Cows calved > 413 days	3	4

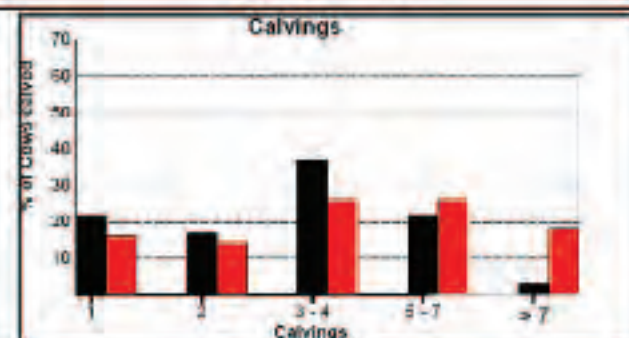
■ Your Herd
■ National Average



B. Number of Calvings

Calvings	No. cows	% of cows
1st Calving	14	72
2nd Calving	11	17
3rd - 4th Calving	24	37
5th - 7th Calving	14	72
> 7th Calving	2	3

■ Your Herd
■ National Average



Herdplus® Euro-Star Report – Pedigree Cows



LoCall 1850 600 900

Euro-Star Herd Report
Angus

Herd Owner: BEN RYALL

Herd Number: IE1916772

Data Extracted: 27/02/2012

Page: 1(2)

1. Beef Euro-Star Herd Summary - Cows

Average beef Euro-Star values for pedigree Angus cows on your farm - Only animals with a Euro-Star included in this report.

Suckler Beef Value										
Angus		Beef Value			Replacement			Additional Traits		
Group	No.	Weaning Export	Beef Carcass	↓ Within Angus	Daughter Fertility	Daughter Milk	Calf Diff	Generation Length	Docility	Muscle Skeletal
		Within Angus	Within Angus		Within Angus	Within Angus	Within Angus	Within Angus	Within Angus	
All cows	64	€ 15	€ 14	€ 24	€ 58	€ 78	2.3	0.2	0	105
		***** A	** A	*** *	*** A A A A A	***** A A A A A	*** A A A A A	** A A A A A		105
1st calving	14	€ 19	€ 3	€ 38	€ 69	€ 83	2.7	0.2	-0.01	108
		***** A	***** AA	***** **	*** A A A A A	***** A A A A A	** A A A A A	** A A A A A		108
2nd calving	11	€ 19	€ 1	€ 45	€ 64	€ 89	2	0.1	0.01	107
		***** A	***** AA	***** **	A A A A A A A A	***** A A A A A	***** A A A A A	*** A A A A A		107
3rd calving+	39	€ 12	€ 22	€ 12	€ 56	€ 74	2.3	0.2	-0.01	104
		***** A	* A	** *	** A A A A A	*** A A A A A	*** A A A A A	** A A A A A		105

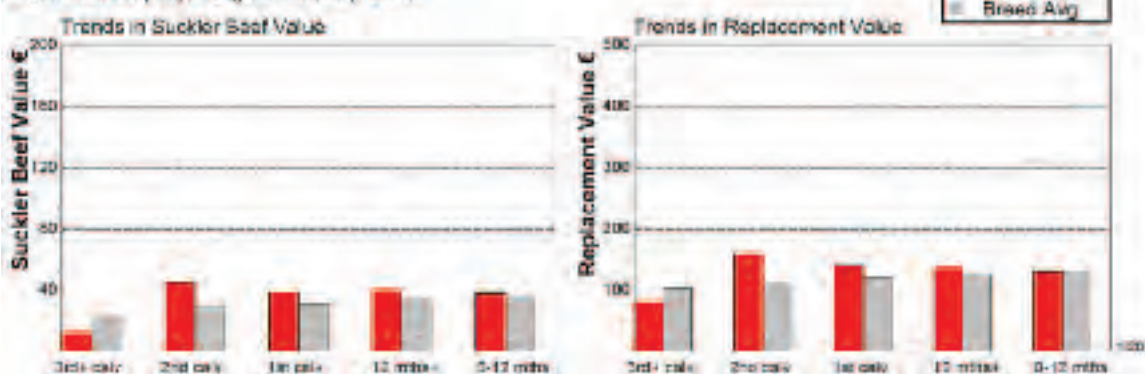
2. Beef Euro-Star Herd Summary - Female Young-stock

Average beef Euro-Star values for pedigree Angus young-stock on your farm

>12 months	27	€ 18	€ 3	€ 40	€ 52	€ 81	1.8	0.1		109
		***** A	***** AA	***** **	***** A A A A A	** A A A A A	***** A A A A A	*** A A A A A		108
0-12 months	22	€ 17	€ 4	€ 38	€ 54	€ 73	1.7	0.1		108
		***** A	***** A	***** **	*** A A A A A	** A A A A A	***** A A A A A	*** A A A A A		106

3. Beef Euro-Star Herd Summary - Genetic trends

Genetic trends for pedigree Angus females on your farm



Herdplus Suckler Cow Report

Animal Details			Ancestry Details			Euro-Star Index			
Joined:	575		Sire's Sire:	SE SUMMITCREST PRIME OUT 1040	★★★★★	Sire's Dam:	LEYREC0038L	★★★★★	Beef Value:
Official Tag:	IE151677288515		Sire's Dam:	GABRIEL LADY JENNY 36L	★★★★★	Wearing Export:	€28	17%	★★
Animal Name:	FELLFORT BLACK ROSEBUD G510		Sire:	IL141102060025	★★★★★	Beef Carcass:	€6	20%	★
Date of Birth:	28/02/2007		Dam:	IL151677240002	★★★★★	Daughter Export:	€62	20%	★★★★★
Breed:	AA (100%)		Dam's Sire:	WDM7238R	★★★★★	Daughter Milk:	€110	8%	★★★★★
Hardbook:			Dam's Dam:	LEHENS NALL	★★★★★	Mat Caking (H15):	0	38%	★
Scored:				LEHENS NALL	★★★★★	Gestation Length:	0.24	18%	★★★★★
Weighted:				BLACK ROSEBUD OF FELLFORT	★★★★★	Dodily:	0.08	12%	★★★★★
BLUP Index (Reliability 15%)									
MUSCLE	112.6	112	0.03						
SKELETAL									
DODILY									
Calving & Fertility Performance					Weanling & Carcass Performance				
Calving Date	Tag Number	Calving Survey	Calving Interval	Sex	Current Status	Size	Size	Age days	Weight Kg
1	134562000	IE151677288515	Normal	M	Dead	90.207	AA		
2	030522510	IE151677288515	Normal	354	M	80.0	F173	AA	
3	110622511	IE151677288515	Normal	385	M	In herd	F173	AA	

* Birthweight of 4.0kg was assumed and is subtracted from the Weaning Weight when calculating Growth Rate.

** Dodily - If animal is Linear Scored then this value is printed instead of the Suckler Cow Withers Scheme value.

Herdplus Bull Tracker Report

Bull Sold For Breeding														
Animal Details					Ancestry Details					Euro-Star Index (06/05/2012)				
Joined:	5070				Sire's Sire:	SE SUMMITCREST PRIME OUT 1040				★★★★★	Sire's Dam:	LEYREC0038L		
Official Tag:	IE151677288515				Sire's Dam:	GABRIEL LADY JENNY 36L				★★★★★	Wearing Export:	€28		
Date of Birth:	05-SEP-2001				Sire:	IL141102060025				★★★★★	Beef Carcass:	€6		
Breed:	AA (100%)				Dam:	IL151677240002				★★★★★	Daughter Export:	€62		
Hardbook:	WDM7238R				Dam's Sire:	WDM7238R				★★★★★	Gestation Length:	0.24		
Scored:	LEHENS NALL				Dam's Dam:	LEHENS NALL				★★★★★	Dodily:	0.08		
Property:	IE151677288515					LEHENS NALL				★★★★★	Mat Caking (H15):	0		
Current Status:	Dead (06/05/2012)					BLACK ROSEBUD OF FELLFORT				★★★★★	Daughter Milk:	€110		
Own Performance Details					Summary of 14 Property Records used in Euro-Star Evaluations					Summary of Property Records used in Euro-Star Evaluations				
Calving Date	Tag Number	Calving Survey	Calving Interval	Sex	Current Status	Size	Size	Age days	Weight Kg	Size	Size	Age days	Weight Kg	
1	134562000	IE151677288515	Normal	M	Dead	90.207	AA			1	1	1	1	
2	030522510	IE151677288515	Normal	354	M	80.0	F173	AA		2	2	2	2	
3	110622511	IE151677288515	Normal	385	M	In herd	F173	AA		3	3	3	3	
Summary of 14 Property Records in the ICAR Database (06/05/2012)														
Property	Calving	Weight	Size	Age	Weight	Size	Age	Weight	Size	Property	Calving	Weight	Size	
Year of Birth	Calving	Weight	Size	Age	Weight	Size	Age	Weight	Size	Year of Birth	Calving	Weight	Size	
2008	7	8	3	1	1	1	1	1	1	2008	7	8	3	
2009	11	24	10	1	31	1	1	1	1	2009	11	24	10	
2010	13	11	8	1	30	1	1	1	1	2010	13	11	8	
2011	16	10	8	1	30	1	1	1	1	2011	16	10	8	
2012	18	10	8	1	30	1	1	1	1	2012	18	10	8	
2013	21	13	8	1	31	1	1	1	1	2013	21	13	8	
2014	21	13	8	1	31	1	1	1	1	2014	21	13	8	
2015	21	13	8	1	31	1	1	1	1	2015	21	13	8	
2016	21	13	8	1	31	1	1	1	1	2016	21	13	8	
2017	21	13	8	1	31	1	1	1	1	2017	21	13	8	
2018	21	13	8	1	31	1	1	1	1	2018	21	13	8	
2019	21	13	8	1	31	1	1	1	1	2019	21	13	8	
2020	21	13	8	1	31	1	1	1	1	2020	21	13	8	
2021	21	13	8	1	31	1	1	1	1	2021	21	13	8	
2022	21	13	8	1	31	1	1	1	1	2022	21	13	8	
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2024	21	13	8	1	31	1	1	1	1	2024	21	13	8	
2025	21	13	8	1	31	1	1	1	1	2025	21	13	8	
2026	21	13	8	1	31	1	1	1	1	2026	21	13	8	
2027	21	13	8	1	31	1	1	1	1	2027	21	13	8	
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2061	21	13	8	1	31	1	1	1	1	2061	21	13	8	
2062	21	13	8	1	31	1	1	1	1	2062	21	13	8	
2063	21	13	8	1	31	1	1	1	1	2063	21	13	8	
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2073	21	13	8	1	31	1	1	1	1	2073	21	13	8	
2074	21	13	8	1	31	1	1	1	1	2074	21	13	8	
2075	21	13	8	1	31	1	1	1	1	2075	21	13	8	
2076	21	13	8	1	31	1	1	1	1	2076	21	13	8	
2077	21	13	8	1	31	1	1	1	1	2077	21	13	8	
2078	21	13	8	1	31	1	1	1	1	2078	21	13	8	
2079	21	13	8	1	31	1	1	1	1	2079	21	13	8	
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2100	21	13	8	1	31	1	1	1	1	2100	21	13	8	
2101	21	13	8	1	31	1	1	1	1	2101	21	13	8	
2102	21	13	8	1	31	1	1	1	1	2102	21	13	8	
2103	21	13	8	1	31	1	1	1	1	2103	21	13	8	
2104	21	13	8	1	31	1	1	1	1	2104	21	13	8	
2105	21	13	8	1	31	1	1	1	1	2105	21	13	8	
2106	21	13	8	1	31	1	1	1	1	2106	21	13	8	
2107	21	13	8	1	31	1	1	1	1	2107	21	13	8	
2108	21	13	8	1	31	1	1	1	1	2108	21	13	8	
2109	21	13	8	1	31	1	1	1	1	2109	21	13	8	
2110	21	13	8	1	31	1	1	1	1	2110	21	13	8	
2111	21	13	8	1	31	1	1	1	1	2111	21	13	8	
2112	21	13	8	1	31	1	1	1	1	2112	21	13	8	
2113	21	13	8	1	31	1	1	1	1	2113	21	13	8	
2114	21	13	8	1	31	1	1	1	1	2114	21	13	8	
2115	21	13	8	1	31	1	1	1	1	2115	21	13	8	
2116	21	13	8	1	31	1	1	1	1	2116	21	13	8	
2117	21	13	8	1	31	1	1	1	1	2117	21	13	8	
2118	21	13	8	1	31	1	1	1	1	2118	21	13		

ICBF Bull Search

Euro-Star Rating (ICBF, Apr 2012)						
AI Code:	Breed:	AA (100%)	Sex:	ROSEMEAD JERONNY F892/0785		
Animal Name:	SHANKILL MELODY L709	Owner:	Date:	SHANKILL, MA F540 / IE121172270540		
Date of Birth:	01-MAR-2011	Date of Evaluation:	Apr 2012	Pedigree Status:	PCD	MGS: CASHELANE BART D572/IE141129320572
National ID:	IE121172210709	Euro-star Index: Culling Traits: Weaning: Beef Carcass: MB:				
International ID:	AMHRLM121172210709	Litter Type: Pedigree: Fertility: Docility: Prevalence:				
% Rank	Star Rating (within breed)	Index and Traits	Euro-Value	Data Reliability	Star Rating (across breed)	% Rank
91%	★★★★★	Suckle Beef Value (SBV)	€70	10%	★★★	51%
97%	★★★★★	Weaning Export	€12	12%	★★	23%
85%	★★★★★	Beef Carcass	€13	11%	★★	21%
75%	★★★★★	Daughter Fertility	€81	7%	★★★★★	15%
70%	★★★★★	Daughter Milk	€95	3%	★★★★★	10%
Other Key Traits						
66%	★★★★★	Culling Difficulty (1-4)	2.10%	16%	★★★★★	36%
46%	★★★	Gestation Length (Days)	09 Days	5%	★★★★★	31%
71%	★★★★★	Docility (1-5 score)	0.05	36%	★★★★★	70%
Data Reliability: 40% - 60% = Average 20 - 40% = Below Average = 20% = Poor						



WEATHERBYS IRELAND

DNA LABORATORY

very latest in DNA technology

Our Laboratory is now offering the very latest in DNA technology for parentage verification in Cattle, Sheep, Horses and Dogs and is now recognised globally as the leading laboratory in Ireland and Britain in animal identification.

As a consequence of the wide range of data now accumulated on our database the laboratory is establishing the potential for a national traceability programme in cattle identification which is a major development in the livestock industry.

The laboratory has just commenced Genotyping with the LD, 54K and 770K (HD) Bovine Chip adding a new dimension of Genomic enhancement to EBI values and the opportunity in the investigation of Genome wide association studies for disease and beneficial traits in cattle.

Our laboratory has been selected to screen for Beta casein A1 & A2 in Irish and UK Dairy Herds.

For further details contact our laboratory at:
Irish Equine Centre, Johnstown, Naas, Co. Kildare, Ireland
Fax: +353 (0) 45 875787

www.weatherbys.co.uk

+353 (0)45 875521
dnlab@weatherbys.ie



WEATHERBYS

PROVING IRELAND'S SUSTAINABLE BEEF STATUS

Bord Bia
Irish Food Board



THE CASE FOR MEASURING SUSTAINABLE IRISH BEEF PRODUCTION



What is it?

For beef, the carbon footprint is calculated on the basis of the emissions associated with producing 1kg of beef. In Ireland, we want to highlight the fact that our beef is produced with due care for the surrounding environment, with as low a carbon footprint as possible.

Why now?

Increasing numbers of customers are insisting that their beef is produced in a sustainable manner and that suppliers can prove that fact. Sustainability measurement is at an early stage of development, especially in beef production, but Bord Bia has already put in place a programme designed to establish the sustainability of Quality Assured beef farms. In 2010, 200 Quality Assured beef producers participated in a Carbon Footprint Measurement Pilot Programme.

Their reaction was very positive and the programme is being extended to include all farms participating in the Quality Assurance Scheme but in a simplified format.

What's involved for the producer?

The 32,000 beef farmers in the Bord Bia Quality Assurance Scheme account for more than 70% of Ireland's annual cattle production. The environmental performance of the farms participating in the Scheme will be tracked on an ongoing basis by carrying out a Sustainability Survey as part of the general audit already in place. The survey will add approximately 10 minutes to the audit time, this is the only cost to the farmer. This data will provide clear information that can be used to help reduce the carbon footprint and to build credibility in the marketplace.

After the Sustainability Survey is completed and the information analysed, Bord Bia will provide each farmer with feedback to help them lower emissions and outline cost savings opportunities identified in the survey.

The survey is voluntary and will not affect the producer's eligibility under the Quality Assurance Scheme. Data collected will remain confidential.

WHAT ARE THE POTENTIAL BENEFITS?

By completing this survey, Ireland will improve its position compared to its competitors, and lock in customers for our beef on longer term purchasing contracts. In addition, it will help highlight opportunities to lower production costs on cattle farms while reducing carbon emissions.

Bord Bia's new beef carbon footprint calculation model, developed with Teagasc and the Carbon Trust, is fully accredited and has the ability to demonstrate our performance conclusively. If enough farmers participate we will be able to provide comprehensive information outlining the sustainable nature of Irish beef production that cannot be matched by any other beef supplier across the world!

Ireland exports 500,000 tonnes of beef, worth about €1.6 billion, every year. That's 90% of our total production. Half of our beef goes to Britain, while most of the remainder is delivered to 75 retail customers across Europe. Bord Bia research shows that leading customers for Irish beef in Britain and Europe are committed to sourcing sustainable food products in the years ahead. This issue will continue to grow in importance and we must ensure that our beef is produced with a low carbon footprint and that we can prove that fact. Together with traceability, animal welfare and high quality, proof of sustainable production will be of huge importance in marketing Irish beef in the years ahead.

Bord Bia and Irish beef suppliers are now in a position to present the initiative to customers and impress on them the fact that our beef is produced in a sustainable manner in Ireland's already clean, green and natural environment



WHAT THE CUSTOMERS ARE SAYING:

McDonald's: Irish farmers are the biggest suppliers by far of beef to McDonald's restaurants across Europe. "Over time, our suppliers will only use agricultural raw materials that originate from sustainably managed farms". This is the policy adopted recently by McDonald's in its Sustainable Land Management Commitment (SLMC), to ensure the food served in McDonald's restaurants around the world is sourced from certified sustainable sources.

Unilever: In 2009 Unilever launched its Sustainable Living Plan. The stated aim is to help one billion people take action to improve their health and well-being and source 100% of their food raw materials sustainably. "By 2020 we will halve the environmental footprint of our products".

Sainsbury's: "We are working with farmers to reduce their carbon footprint". Last December Sainsbury's won an award for helping their farmer suppliers reduce their carbon footprint and make cost savings. The company is working with farmers in a range of sectors including beef, lamb and milk.



FARMER BENEFITS

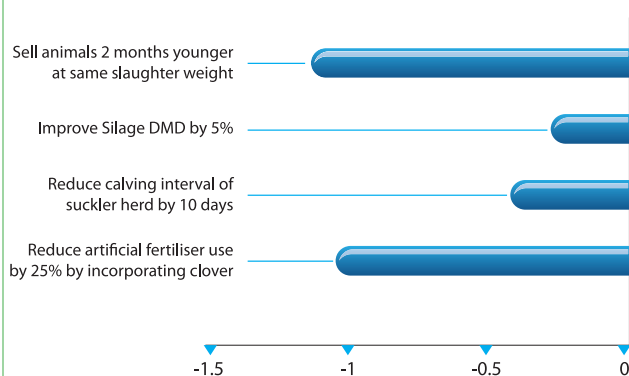
Developments at farm level which increase productivity and profitability tend to reduce the associated carbon footprint.

More efficient farming uses fewer resources and is better for the environment. This includes better grass management, better use of feed, better genetics and better fertility. Feed, fertiliser and contractor charges account for over 70% of variable costs on Irish cattle farms.

Lowering these costs per unit of production increases profitability and reduces carbon output.

Not only do these initiatives reduce carbon use, they also lift farm profit by cutting costs and improving performance and output. Sward quality and output improves, animal live weight gain/day goes up and more cattle can be produced and sold off the farm at lower production costs per unit.

Indicative Reduction in Carbon Footprint (CO_{2e}/kg)



Critical points for CO_2 measurement

Grazing: Ruminant digestion and grass management

Feed production: Home-grown and bought in feeds

Manure: Deposition and Storage of slurry/manure

Fertiliser: Chemical fertilizer & manure application

Animal factors: Growth rate, age at finish, fertility



SAYS WHO?

Some leading players in the agri-food and business sectors comment on the benefits of a sustainable beef status for Ireland.



Jackie Cahill, President ICMSA: "Evidence of our sustainable beef production will enable us to build more long term markets for our beef".



Michael Doran, Chairman IFA Livestock Committee
Chairman and beef farmer in the pilot programme:

"This sustainability programme can benefit beef farmers in a real way by positioning Irish quality beef ahead of our competitors and helping to secure a premium price in the marketplace which must be passed back to producers. The Quality Assurance standards will remain the same".



Professor David Bell and Mary Shelman of the Harvard Business School: "Ireland is at an enviable starting point in the race to produce exactly the type of food that a growing number of consumers are demanding". (Also pictured, Aidan Cotter, Chief Executive Bord Bia).



John Bryan, President IFA: "This is a great way of proving to customers that Irish farmers are among the very best in the world at caring for their environment and their livestock".

PROVING IRELAND'S SUSTAINABLE BEEF STATUS



ICAR

Technical Tour Booklet

Sheep

Technical Tour



Thursday 31st May 2012

Sheep Tours to the farms of

John Large & John Renehan



Sheep Ireland

Sheep Irelands overall breed improvement program consists of three main components:

- LambPlus - Pedigree flock recording service. Both John Large (farm 1) and John Renehan (farm 2) are members of Lambplus.
- Maternal Lamb Producers Group (MALP) – 18 Commercial farms, recording and demonstrating to the wider industry. John Renehan (farm 2) is also involved in the MALP program.
- Central Progeny Test (CPT) – 4 commercial flocks being used to improve linkages within our ram population for the benefit of the Sheep Ireland Euro-Star evaluations. John Large (farm 1) is also one of the four flocks involved in the Central Progeny Test (CPT) program.

This technical tour will explore and discuss all elements of these three individual programmes, hopefully providing attendees with a deep understanding of the theory and practicalities of the Sheep Ireland breed improvement program.



Visit to the farm of John Large

Gortnahoe, Thurles, Co Tipperary. Central progeny test farm



Objectives of visit to the Large Farm

Overall objective.

To establish how John is using data and information to improve the profitability of his farming business.

Background to the farm

- Participant in Sheep Ireland Central Progeny Test program (CPT).
- Farming 80 hectares.
- 600 mid-season lambing ewes.
- 150 ewe lambs lambing down each year.
- Predominately grass based system.
- Limited meal input.
- All lambs except replacements sold to slaughter.
- Quality assured Farm.
- 30 limousine cross cows. Autumn calving. Progeny sold to butcher.
- 12-14 slaughters per year
- Average carcass weight 20kg
- Replacement rate 23%
- Pregnancy Scan rate 1.76
- Weaning rate 1.5

Involvement as a central progeny test farm

- Past Experience of recording.
- Frustration of buying rams unable to perform on grass system.
- Access to better rams.
- Belief that LambPlus Euro-Stars are better all-round evaluation for rams.

Central Progeny Test – CPT

Objective:

To assess the progeny of Rams that are well related within their own breed and link this information to an even wider number of animals throughout that Breed's pedigree system.

CPT 2012 Program

- 30 Rams
- 6 Breeds
- 2100 Ewes
- Laparoscopic AI – 4 Flocks
- 7 days
- CPT is not a Breed Comparison – more a Ram & Trait comparison.
- Focussed on identifying the best genetics regardless of Breed.
- Intention to evaluate as many new Rams each year as possible whilst maintaining linkages through Breed ancestry systems.

Role of Technology

Crucial component of CPT. Electronic Identification used on all lambs from birth. Handheld to database link up

- Mating information
- Pregnancy scans
- Birth information – birth weight, lambing difficulty.
- Weight information
- Faecal Egg counts
- Replacement ewe selection
- Feet problems
- Dag scores (Dirty back ends)



Farmer Feedback from CPT.

- More lambs sold earlier.
- Would have had particular views about certain breeds maternal qualities. Anecdotally see's little difference between breeds from maternal aspect since joining CPT.
- Selection decision on replacements combines

own experience of selecting females in conjunction with figures which is ideal.

- After initial trepidation of AI and workload from compacted lambing period in year one is much more relaxed about scheme now. Having an open mind at start was a definite pre-requisite.

The end product

Lot: 1		Owner: John Murphy; Lattanross, Cragoue, Co. Galway Breeder: Shane Williams; Rathronan, Bray, Co. Wicklow						
Animal Details		Ancestry Details		Euro-Star Indexes - 10/10/11				
Official Id	IED41111702101J	Sire's Sire	Foreign Magnum (CF00231)	% Rank	Star Rating	Indexes	€ Value	Acc%
Tattoo	EAI10021		Sire's Dam	Forem (GAFO0007)	Top 1%	★★★★★	Overall Sheep Value	€ 1,072
Name	Ballybracken Rambo	Sire		Castlescreen O-J (TXC08029)	Top 1%	★★★★★	Lambing	€ 0.9
Birth date	07-Feb-2010		Dam	Ballybrooney (EWI05011)	Top 1%	★★	Production	€ -0.065
Breed	Texel	Dam's Sire		Foreign Magnum (CF00231)	Top 1%	★★★★★	Maternal	€ 0.237
Sex	Male		Dam's Dam	Ballybrooney (EWI05011)	Top 1%	Other Key Traits		
Birth type	Triplet	Dam's Sire		Foreign Magnum (CF00231)	Top 1%	★★★	Days to Slaughter	-0.552 days
Dam rec	23		Dam's Dam	Ballybrooney (EWI05011)	Top 1%	★★★★★	Lamb Survival	2.573%
Musc & fat scan date	28-Jun-2010							
Comment: Sire was Premier Champion 2009				Copyright Sheep Ireland				

% Rank

Rams rating within Star Value

Star Rating

Help give an instant indication as to where an index for a particular animal places it compared to all others within its breed.

- 5 Stars: Top 20%
- 4 Stars: Top 60-80%
- 3 Stars: 40-60%
- 2 Stars: Bottom 20-40%
- 1 Star: Bottom 20%

Overall Sheep Value

Gives the overall Euro Star Rating of the Sheep.

Visit to the farm of John Renehan

Violethill, Johnstown, Co. Kilkenny. Maternal Lamb producer (MALP) farm



- Aims to sell 50 pedigree rams from farm this year.
- Sells commercial lambs to Wholesale butcher and Meat Processor

Involvement in Sheep Ireland breed improvement program

- Commercial flock is participating in Sheep Irelands MALP programme
- Pedigree flock is performance recorded through Sheep Irelands LambPlus programme.

Flock 2

Objectives of visit to Renehan Farm

Overall objective.

To establish how John is using data and information to improve the profitability of his farming business.

Background to farm.

- Participant in Sheep Ireland MALP programme for past four years.
- 350 early to mid lambing ewes.
- 70-80 replacement commercial ewe lambs kept.
- 100 pedigree ewes 60 belclare/40 Texel.
- 50 replacement pedigree ewe lambs kept each year.
- Predominately Grass based system.
- Limited meal input.
- All commercial lambs except replacements sold to slaughter.
- Pedigree Belclare lamb early January.
- Pedigree Texel lamb late February early March.
- Commercial ewes lamb late February early March.

Maternal Lamb Producers Group – MALP

Objective:

Allow Sheep Ireland demonstrate to all involved in the Irish sheep industry the potential merits of using genetic evaluation information when making ram selection decisions.

MALP 2012:

- 18 commercial flocks
- Rams used sourced from LambPlus recorded pedigree flocks

MALP so far on the Renehan farm

- Participant in Kilkenny MALP group with 7 other farmers.
- Used older linked rams from Lambplus flocks in the first 3 years of MALP.
- Swapped these rams within their groups to build up linkages.
- In 2012 rams were swapped between groups to increase linkages between groups.

Practicalities of being a MALP farmer.

- Lambs are colour coded at birth for birth date.
- Incidents of Lambing difficulty are recorded. (Scale 1-5)
- Fosters and Adoptions are recorded.
- Deaths are recorded.
- All recording done through Sheep Ireland handheld devices.
- Parentage assigned by DNA.
- Lamb weights collected by Sheep Ireland – using Pratley system.
- Farmer records incidences of foot rot and dag score throughout year.
- Farmer records slaughter weights of all animals leaving farm.
- Farmer records deaths throughout year.

DNA – Future?

- DNA results from John Renehen's farm are 83% lambs matched to Sire and 71% matched to Dam for 2011.

Cost of MALP program

- Farmer fee: €6 per ewe in scheme.
- Supplement for purchasing rams €500 per flock owner.
- EID/DNA tags: €4.00.
- Labour: variable from year to year
- DNA Profiling: €10.08 per sample.

MALP 2012:18 flocks.

- 3500 ewes.
- 5000 lambs.
- 5 groups.

LambPlus

Currently 250 pedigree breeders performance recording their flocks, in the LambPlus programme. In 2011 this figure was 150.

Reasons for growing numbers

- Optimism across the industry due to improved lamb prices.
- Strong promotion of the Euro-Star evaluation within the industry – Teagasc (Irish farm advisory body), Media, Agricultural colleges.
- Strong promotion by Sheep Ireland.
 - Success of Beef Euro-Stars is having a positive effect.
 - Farmers are seeing strong results from MALP farms.
 - LambPlus sales. First sale held in 2011. The objective of these sales will be to establish them as elite ram sales, where pedigree and commercial farmers can source the highest genetic merit rams in Ireland.

The offering of excellent flock book services to breed societies at a low cost will facilitate breeders joining LambPlus with greater ease in future.

We are currently providing flockbook services to two of the major Irish pedigree societies; Belclare and Texel.

We hope that in time when other societies see the high quality of service these societies receive that more societies may follow.

Sheep Ireland now provide the Irish Texel Sheep Society with an on-line animal search facility. The first Irish system of its kind.

*Go raibh maith agaibh as páirt a ghlacadh sa turas –
tá súil againn gur bhain sibh taitneamh as.*

Thank you for partaking in the tour – we hope you enjoyed it.



Beef HerdPlus



FIBD Trust

Beef Cattle Breeding Information for your Herd
€60 per Year

(€20 for the first year if paying by Direct Debit)

Dial 1850 – 600 – 900

