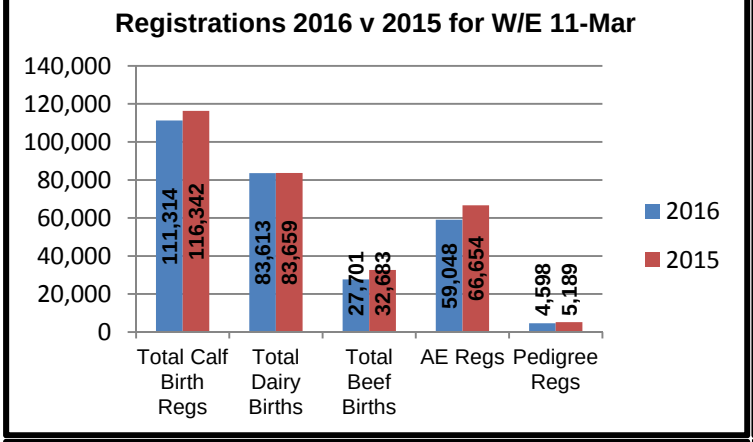
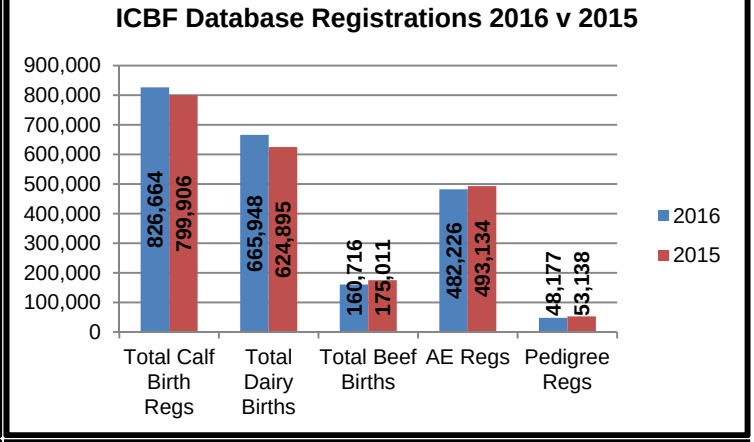
ICBF Weekly Update 11th March 2016

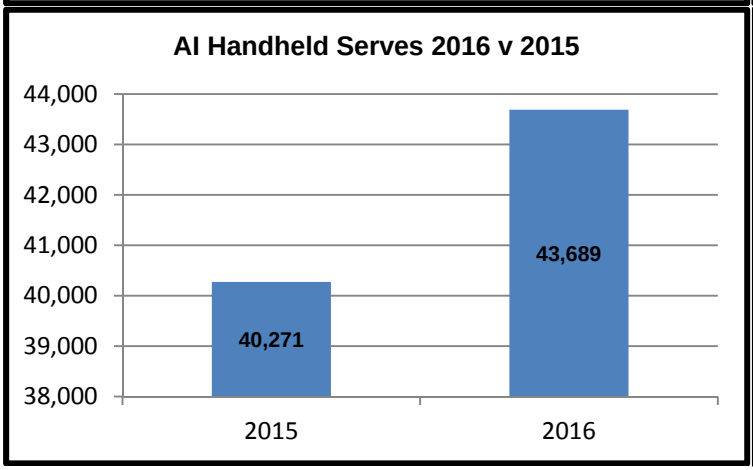
1 Important Dates

- **ICBF Board Meeting** – Thursday 31st March 2016 at 10:30, Killeshin Hotel, Portlaoise.
- **Sheep Board Meeting** – Thursday 31st March 2016, at 14:00, Killeshin Hotel, Portlaoise.

2 Database







- The stats above are compiled with the assistance of DAFM AIM systems.
- BVD test results continue to be received at ICBF and are being processed accordingly. There have been 842,961 results received since January 1st, of which 131,947 have come in the last 7 days. Since the beginning of the voluntary phase in 2012, 8.17 million results have now been received.
- The chart shows Inseminations recorded on AI Handhelds in 2016 compared with 2015.

3 Genetic Evaluations.

- Evaluations have commenced for the April routine evaluation update for all dairy and beef traits.
- Work continues on the development of single step genomic evaluations for beef cattle. It is anticipated a new set of test proofs will be circulated before the end of March.

Interbeef

- ICBF staff attended an Interbeef meeting in Salzburg this week (8th and 9th March). This is a bi-annual meeting to discuss the development of International beef evaluations. The main outcomes from the meeting included:
  - An update on the now official routine evaluation for weaning weight for Limousin and Charolais.
  - Inclusion of Australian Limousin and Charolais data in a test run for weaning weight in 2016.
  - Research updates on the development of calving and fertility traits for Limousin and Charolais. These projects are progressing very well and it is anticipated that routine evaluations for these traits might

happen by 2017.

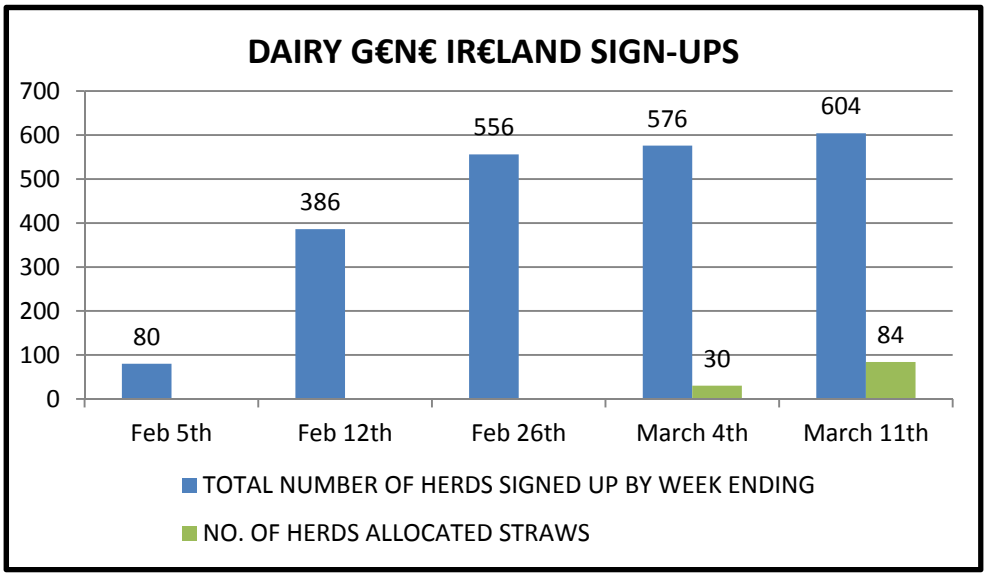
- Approval has been given for the development of international evaluations for the Simmental breed.

4 G€N€ IR€LAND® Dairy

BREED PACKS AND AVERAGE EBI'S

- **Holstein-Friesian**: **€374**
- **Pure Friesian** : **€269**
- **Multi Breed:** **€290**

- The **Multi Breed** pack includes Jersey (and Jersey Cross bulls), together with Holstein-Friesian bulls for comparative purposes.
- 604 herds are signed up to date, taking a total of 24,460 straws.
- Allocations have commenced and will be ongoing for the next number of weeks dependent on semen availability.



- Participants will receive inbreeding reports and details of bulls allocated.
- To learn more or to order straws please phone **1850 600 900**.

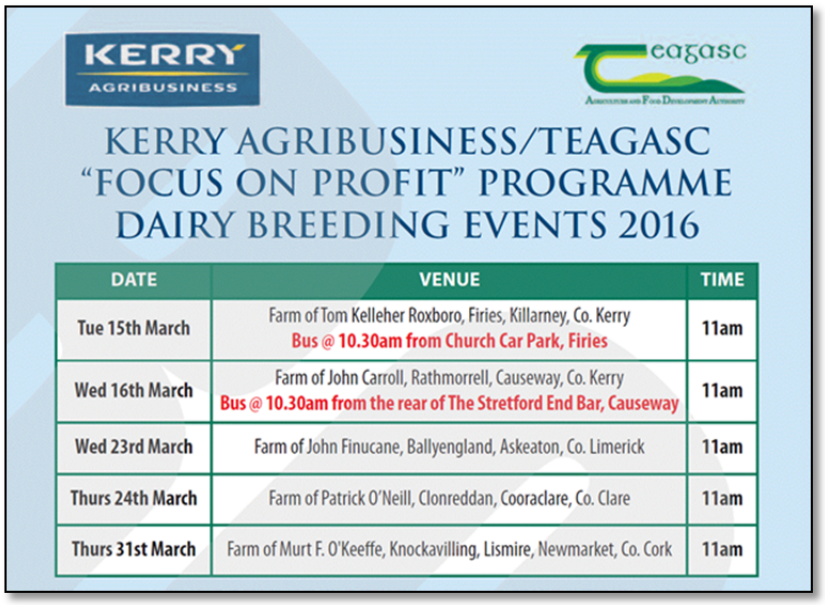
5 Herd Plus®

- With calving season in full swing, please remember to record sire details and calving ease scores.
- ICBF Spring 2016 Dairy Breeding brochure is now available to view – Click link to view https://issuu.com/herdplus/docs/spring_dairy_active_bull_list_2016
- HerdPlus Beef Output reports are now available online to view. Reports will be sent out to herd owners next week.
- ICBF have completed the publishing of the 'Top 20' replacement index cows for the 12 most popular breeds. In order to have made the list, animals must have been in a HerdPlus herd at time of data extraction. Top 20's can be found under 'Genetic Evaluations' – 'Beef Results'

Richard Fortune's Salers cow Usance, winner of the 2013 RDS Maternal Index Award. She is dam of 'KNOTTOWN KATE' who is number 2 on the current Salers list. Richard had a total of 13 cows making the Salers 'Top 20' list.

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

- HerdPlus will be supporting the following event below



6 G€N€ IR€LAND® Beef

Autumn 2015 Beef programme

- Sign Ups are continuing for the Gene Ireland Beef programme.
- 291 herds taking a total of 3720 straws have joined so far.
- The average order is 13 straws per herd.
- LM2214 and PPA reached the 500 straws target this week
- The catalogue is available to view at the link below

  https://issuu.com/herdplus/docs/2016_spring_brochure
- To learn more or to order straws please phone **1850 600 900**.

Code	Name of Bull	Breed	Straws Ordered
AA2063	Mogeely Evitas	AA	320
CH2154	Polar Joe 2	CH	185
CH2221	Jarret	CH	215
HE2148	Ballyaville Hamlet	HE	435
LM2242	Edakkya	LM	220
ZKY	Kyle Herd Ivan	PT	430
PI2157	Kilree Leo	PI	135
ZBZ	Breffni Muzz	SA	325
SH2181	Coolvin Dominator	SH	85
ETP	Curaheen Evolution P	SI	425

- Approximate total straws ordered to date for the remaining bulls are detailed in the graph.

7 Milk Recording

National Milk Recording Statistics - Herds, Cows & EDIY 11/03/16						
Milk Recording Organisation	**Total Herds Recorded YTD 11/03/16**	**No. EDIY Herds YTD 11/03/16**	**% Herds EDIY**	**Total No. Cows Recorded YTD 11/03/16**	**No. EDIY Cows YTD 11/03/16**	**% Cows EDIY**
Munster	1,209	101	8%	78,288	8,471	11%
Progressive	986	204	21%	70,751	14,125	20%
Tipperary	12	2	17%	513	62	12%
Total	**2,207**	**307**	**14%**	**149,552**	**22,658**	**15%**

Recorded Cows by Milk Recording Organisation - Year on Year Comparison			
Milk Recording Organisation	**YTD 2015 Cows Recorded 01/01/15- 11/03/15**	**YTD 2016 Cows Recorded 01/01/16- 11/03/16**	**2016 vs 2015 Year on Year Difference (%)**
Munster	67,857	78,288	15.4%
Progressive	69,330	70,751	2.0%
Tipperary	803	513	-36.1%
Total	**137,990**	**149,552**	**8.4%**

8 Sheep Ireland

CPT Lambing

- The CPT lambing is one of the most important times of the year in the Sheep Ireland calendar and each year we try to improve the quality and quantity of data from the year before. This year we have added some new traits and continue to investigate other traits. This year on top of the normal parentage recording, lambing difficulty and date of birth we are also recording three 1-5 scores for ewe Milkability and Motherability as well as Lamb Vigour. It is hoped that these traits will let us find out more about the bloodlines that are used in the CPT. Once lambing is over our geneticist will then investigate the scores that have been collected and determine if these scores could potentially add value to the genetic evaluations. We could open these traits up to LambPlus breeders for recording in 2017 if deemed valuable.
- Ewe Milkability is scored from one (very poor milk) to five (lots of milk) based mostly on the size of the udder, ewe Motherability is scored from one (Very poor mother, rejecting her lamb) to five (Excellent mother which follows her lambs closely the lambs are being moved and licks her lambs), and finally Lamb Vigour, this is also scored from one (lamb still not standing after 1 hour) to five (Lamb standing under 5 min).

Two healthy and happy suffolk lambs tagged and recorded and ready to be sent out to the field at Andrew Moloneys

Lambing assistance is currently running at 15% (Lambing difficulty scores 3 & 4) with the average birth weight recorded as 4.6kg.

Ovigen

- The first list of DNA tags ID's for the Ovigen Pilot project flocks have been compiled and ordered and will be arriving with the breeders over the coming weeks.

Sean Coughlan Chief Executive, ICBF & Sheep Ireland , Highfield House, Shinagh, Bandon Co. Cork., Phone: +353 238 820 222,
Email info@icbf.com, **Registered Office:** Irish Cattle Breeding Federation Society Ltd trading as "ICBF", Highfield House, Shinagh, Bandon,Co Cork. Registered Dublin, Ireland. Registration Number 4914R, Industrial and Provident Societies Acts, 1893 to 1978. Web: www.icbf.com.
Registered Office: Sheep Database Ltd trading as "Sheep Ireland". Highfield House, Shinagh, Bandon, Co Cork. Registered Dublin, Ireland. Registration Number 465004, Companies Acts 1963 to 2006. Web: www.sheep.ie.

National Milk Recording Results for the 10 day period, 02-MAR-2016 To 11-MAR-2016

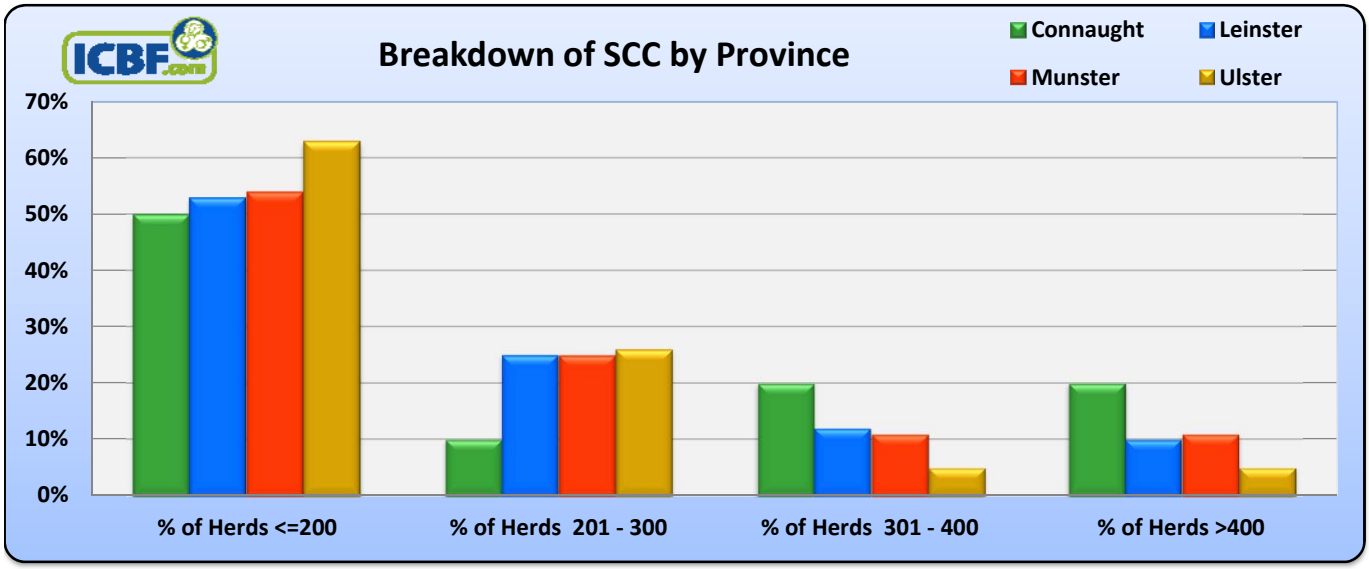
	No. Herds Recorded	No. Cows Recorded	Avg Herd Size	Avg Milk kg/Cow	Average Fat %	Average Protein %	Average F+P kg	Average SCC*
Connaught	10	583	58	23.4	4.33	3.27	1.77	222
Leinster	77	6,123	80	23.7	4.37	3.30	1.82	194
Munster	366	24,893	68	24.3	4.26	3.21	1.81	187
Ulster	19	942	50	24.7	4.03	3.19	1.77	158
National Statistics	**472**	**32,541**	**69**	**24.2**	**4.27**	**3.22**	**1.81**	**187**

* Geometric Mean Herd SCC

SCC Distribution for the 10 day period, 02-MAR-2016 To 11-MAR-2016

	No. Herds Recorded	No. Cows Recorded	Avg Herd Size	% of Herds <=200	% of Herds 201 - 300	% of Herds 301 - 400	% of Herds >400	Average SCC*
Connaught	10	583	58	50%	10%	20%	20%	222
Leinster	77	6,123	80	53%	25%	12%	10%	194
Munster	366	24,893	68	54%	25%	11%	11%	187
Ulster	19	942	50	63%	26%	5%	5%	158
National Statistics	**472**	**32,541**	**69**	**54%**	**25%**	**11%**	**11%**	**187**

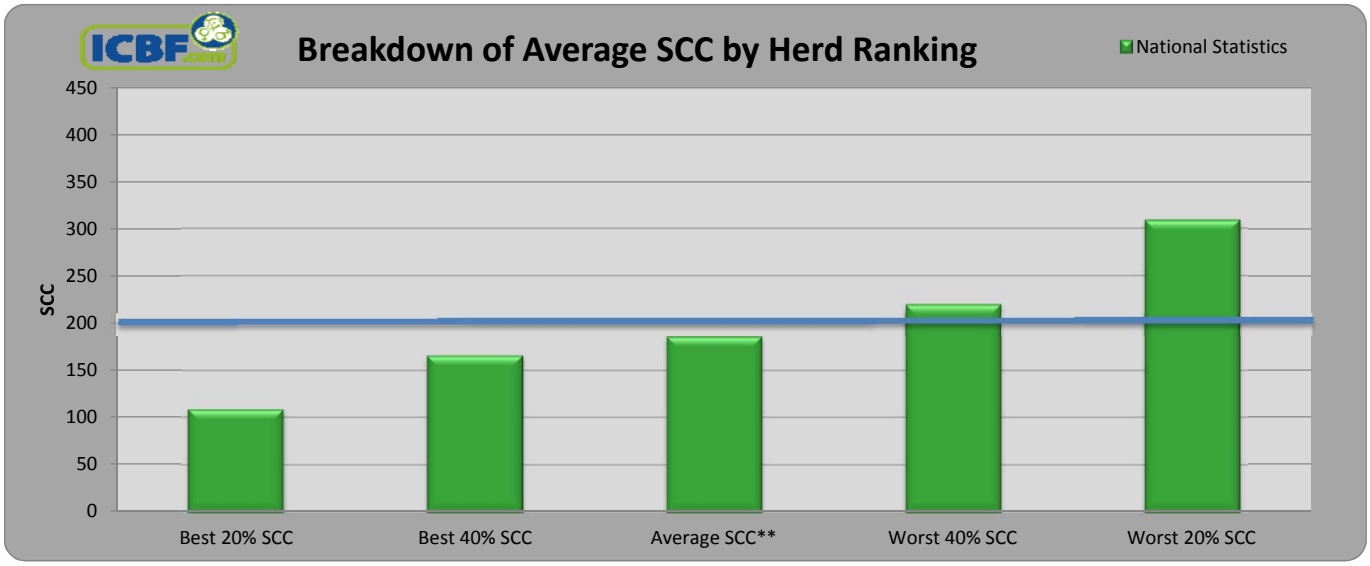
* Geometric Mean Herd SCC



% Herd Breakdown for the 10 day period, 02-MAR-2016 To 11-MAR-2016

	No. Herds Recorded	No. Cows Recorded	Avg Herd Size	Best 20% SCC	Best 40% SCC	Average SCC**	Worst 40% SCC	Worst 20% SCC
Connaught	10	583	58	91	186	199	264	411
Leinster	77	6,123	80	119	171	194	221	308
Munster	366	24,893	68	108	162	186	220	308
Ulster	19	942	50	89	143	169	195	245
National Statistics	**472**	**32,541**	**69**	**109**	**166**	**186**	**220**	**309**

** Percentile Herd SCC Rank (Median SCC)



HerdPlus®
Profit through Science
Locall 1850 600 900

Beef Output Report

01/01/2015 - 31/12/2015

Herd Owner: SAMPLE
Herd Number: IE1234567

1. Summary Data

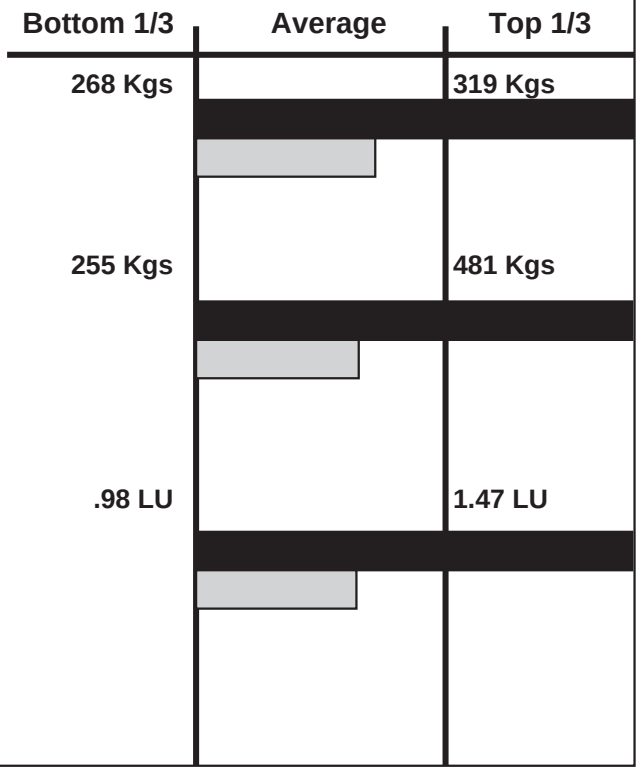
Report calculates how much liveweight was produced from this herd in the selected year. It then breaks this figure down into various KPI's which are detailed in section 2 below. All weights are liveweights.

A. Total Beef Output (Kgs)
Sales - Purchases + Inventory Change, in the selected year — **13,521**

B. Total Livestock Units (LU)
Average livestock units in the herd, in the selected year. — **32.4**

C. Total Hectares (Ha)
Total hectares available to the cattle enterprise, in the selected year. — **17**

2. Key Performance Indicators (KPI's)



A. Beef Output per Livestock Unit. (LU)
Total beef output (13,521) ÷ Total livestock units (32.4)

Your Herd	**417 Kgs**
National Average	**304 Kgs**

B. Beef Output per Hectare.
Total beef output (13,521) ÷ Total Hectares (17)

Your Herd	**795 Kgs**
National Average	**400 Kgs**

C. Stocking Rate per Hectare.
Total Livestock units (32.4) ÷ Total Hectares (17)

Your Herd	**1.91 LU**
National Average	**1.29 LU**

Targets

Production System	Beef Output per LU
Suckler to Weanling/Store	300/345
Suckler to Beef	360
Weanling to Beef	485
Store to Beef	345
Calf to Store	500
Calf to Beef	500

HerdPlus®
Profit through Science
Locall 1850 600 900

Beef Output Report

01/01/2015 - 31/12/2015

Herd Owner: SAMPLE
Herd Number: IE1234567

3. Sales

This section gives a breakdown of the stock which was sold from this herd in the selected year.

Animal Type	Number of Animals	Avg. Weight (Kgs)	Total Liveweight Sold (Kgs)*
Suckler Cows	2	928	1,856
Stock Bulls	0	0	0
0-6 Months Male	0	0	0
0-6 Months Female	0	0	0
6-12 Months Male	1	400	400
6-12 Months Female	0	0	0
1-2 Yrs Male	10	737	7,368
1-2 Yrs Female	3	547	1,642
2+ Yrs Male	0	0	0
2+ Yrs Female	1	565	565
Total Sales	**17**		**11,831**

4. Purchases

This section gives a breakdown of the stock which was purchased into this herd in the selected year.

Animal Type	Number of Animals	Avg. Weight (Kgs)	Total Liveweight Purchased (Kgs)*
Suckler Cows	0	0	0
Stock Bulls	0	0	0
0-6 Months Male	0	0	0
0-6 Months Female	0	0	0
6-12 Months Male	0	0	0
6-12 Months Female	0	0	0
1-2 Yrs Male	0	0	0
1-2 Yrs Female	0	0	0
2+ Yrs Male	0	0	0
2+ Yrs Female	0	0	0
Total Purchases	**0**		**0**

***The liveweight data in the sales and purchases sections is collected by the following methods:**

1. Mart data: Most marts send ICBF files with sale weights and prices.
2. Slaughter data: Most factories send ICBF files with carcass grades and weights. Liveweights are then estimated from the carcass weights.
3. Farmer recorded weights : Weights can be recorded manually prior to generating this report for animals which are missing purchase /sale weights or slaughter data.
4. Estimated Weights: Where no liveweight or slaughter data is present in the database for an animal, an estimated weight will be assigned based on the age and breed of that animal.

HerdPlus®
Profit through Science
Locall 1850 600 900

Beef Output Report

01/01/2015 - 31/12/2015

Herd Owner: SAMPLE
Herd Number: IE1234567

*5. Inventory Change***

A breakdown of the inventory change for this herd is detailed below.

	Kgs Liveweight
A. Opening Stock (01/01/2015) Total liveweight of all stock in the herd at the start of the selected year	**18,060**
B. Closing Stock (31/12/2015) Total liveweight of all stock in the herd at the end of the selected year	**19,750**
C. Inventory Change Closing Stock - Opening Stock = Inventory Change	**+1,690**

Breakdown of Inventory Change

Animal Type	Animal Numbers			Weights	
	1st Jan	31st Dec	Difference	Avg. Weight	Total (Kgs)
Suckler Cows	13	20	+7	600	+4,200
Stock Bulls	0	0	0	800	0
0-6 Months Male	4	3	-1	120	-120
0-6 Months Female	4	7	+3	120	+360
6-12 Months Male	6	5	-1	350	-350
6-12 Months Female	5	5	0	300	0
1-2 Yrs Male	0	0	0	600	0
1-2 Yrs Female	6	6	0	550	0
2+ Yrs Male	0	0	0	650	0
2+ Yrs Female	4	0	-4	600	-2,400
Total	42	46	+4		+1,690
Inventory Change			**+4**		**+1,690**

**** Inventory Change Explained:**
Inventory change is the difference in stock numbers in a herd, from the start of the year (1st Jan) to the end of the year (31st Dec).

Example:
A herd had an opening stock, on 1st Jan, of 30, 1-2 year old males and a closing stock, on 31st Dec, of 35, 1-2 year old males. The inventory change for 1-2 year old males would, therefore, be +5 as there were 5 more animals in the 1-2 year male category, in the herd, at the end of the year. To get the inventory change in Kgs of liveweight, you simply multiply the number of animals by the average liveweight for animals in that category. See calculation below:

	1st Jan	31st Dec	Difference	Avg. Weight	Total (Kgs)
1-2 Yrs Male	**30**	**35**	**+5**	**600**	**+3,000**

If the herd had less animals at the end of the year, then the inventory change would be a minus figure.