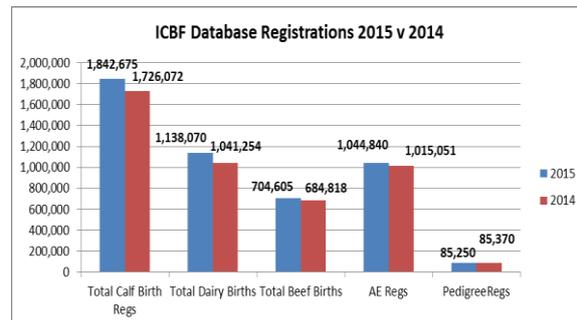
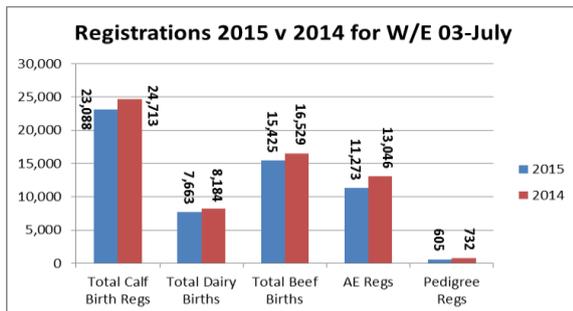


ICBF Weekly Update 3rd July 2015

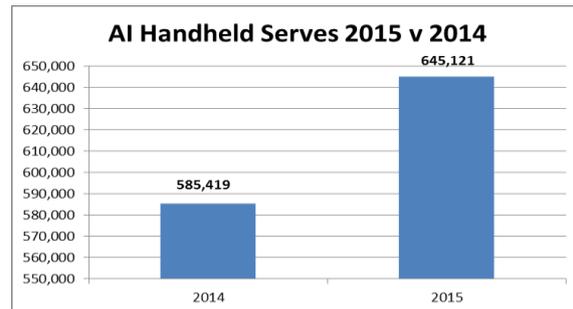
1 Important Dates

- ✚ **ICBF Beef Industry Meeting** – Tuesday 7th July 2015, 10:00 to 15:00, Killeshin Hotel, Portlaoise.
- ✚ **Audit & Finance Sub Committee Meeting** – Friday 10th July 2015, 10:00 to 10:30, Killeshin Hotel, Portlaoise.
- ✚ **ICBF Board Meeting** – Friday 10th July 2015, 10:30 to 13:00, Killeshin Hotel, Portlaoise.
- ✚ **Sheep Board Meeting** – Thursday 9th July 2015, 14:00 to 16:00, 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 1.92 million results received since January 1st, of which 28,000 have come in the last 7 days. Since the beginning of the voluntary phase in 2012, 6.87 million results have now been received.



- ✚ The graph shows Inseminations recorded on AI Handhelds in 2014 compared with 2015.

3 Herd Plus®

Moorepark Open Day 2015

- ✚ The Moorepark Open Day was held on Wednesday 1st July and it was a huge success with over 12,000 people in attendance. A huge amount of work goes into organising such an event and huge credit goes out to all that were involved in making the day such a success.
- ✚ The HerdPlus team were in the Industry Partners tent on the day. The team met a large number of farmers on the day from all around Ireland and also the UK. The Genetics team were in the Breeding Village answering questions in relation to the Cow Production Index and Genomics.

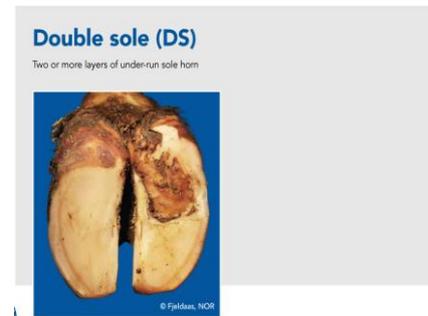


Mark Waters, Tom Neville and Mary Murphy at the Herdplus stand at the Moorepark Open day

- ✚ Please see attached pictures of some ICBF related boards that were on display at the Moorepark Open Day.

New colour atlas of claw diseases available!

- The International Committee for Animal Recording (ICAR) recently developed and published a colour atlas of claw diseases. This is an exceptional piece of work that not only describes various claw issues, but shows pictures of each ailment to help identify the various problems. This atlas can be used by farmers to help identify different claw ailments in the herd, so that animals can receive proper treatment or management issues can be resolved. This also opens up a window for farmers to be able to record these events so that ICBF can work towards identifying animals that are genetically less likely to suffer from different claw ailments. While this is a helpful tool for Ireland, the atlas will be used as an international standard of identifying claw diseases which can be used to widen the genetic pool of animals for our robustness studies. It is hoped that all hoof technicians in Ireland and across Europe will adopt these definitions to allow the best comparison of data across technicians and countries. The atlas is free to download and can be found by clicking here (<http://www.icbf.com/?p=3705>).



Screen shot of Double Sole taken from the ICAR Colour Atlas of Claw Diseases

Top 2,000 Cow Listing



Springhaven Bidy 162 EX90, owned by Robert Troy Jnr. is the top EBI cow in the country.

- Springhaven Bidy 162 EX90 (pictured above), owned by Robert Troy Jnr. from Newtownshandrum, Co. Cork, is the top EBI cow in the country with an EBI of €382.40. She is a Holstein cow currently in her 10th lactation with an average calving interval of 367 days. As well as having an EBI of €382 she also has an average lifetime production of 50,573kgs milk, 4.20% Fat and 3.48% Protein. She is sired by Bagworth Zander Keet (**BWZ**).
- Interestingly, the top three cows are all from different dairy breeds. Second on the list is a Swedish Red cow owned by James Lynch, Cappagh, Co. Waterford with an EBI of €381.91. This cow is also on her 10th lactation. She is sired by Backgard (**BGX**). Third on the list is an 8th lactation Jersey cow with an EBI of €379 owned by James Murphy, Whitechurch, Co. Cork. This cow is sired by Mitchells Likabull SJ3 (**MKU**).
- Unsurprisingly, the listing included 46 entries from Mooreparks 'Next Generation Herd', a Teagasc herd established in 2012 to evaluate EBI genomic selection. This herd gives a forward view of where the national herd will be 10 years from now.

- Other herds that feature strongly include; David Lonergan, Ballyduff, Co. Waterford with 43 cows, Kieran Hearne, Carrick-On-Suir, Co. Waterford, Shane Maxwell, Lismore, Co. Waterford, and Pat Ryan, Cappagh, Co. Waterford with 39 cows each. Table displays the Top 11 herds.

| Top 11 Farmers (based on number of cows appearing on list) | | | |
|--|------------------------|--|------------------------|
| Rank | Name | Address | Number of cows on list |
| 1. | Next Generation Herd | Moorepark, Fermoy, Co. Cork | 46 |
| 2. | David Lonergan | Modeligo, Ballyduff, Co. Waterford | 43 |
| 3. | Kieran Hearne | Ballinacurra, Carrick-On-Suir, Co. Waterford | 39 |
| 3. | Shane Maxwell | Deerpark, Lismore, Co. Waterford | 39 |
| 3. | Pat Ryan | Lauragh, Cappagh, Co. Waterford | 39 |
| 6. | Liam O Leary | Ballybride, Conna, Co. Cork | 32 |
| 7. | Patrick Flynn | Coolmohan, Kilworth, Co. Cork | 29 |
| 8. | Aidan & Fiachra Liston | Ballyculleen, Croom, Co. Limerick | 24 |
| 9. | Alexander Crofts | Velvetstown, Buttevant, Co. Cork | 20 |
| 9. | Patrick Ahern | Bridepark, Conna, Co. Cork | 20 |
| 9. | Teagasc Moorepark | Animal Research Centre, Fermoy, Co. Cork | 20 |

- The sires most prominent on the list include Hazael Eminence Dano-ET (HZO) with 135 daughters. O-BEE MANFRED JUSTICE ET TV TL (OJI) with 131 daughters and Caldwell's JORDANAIRE (CWJ) with 99. The top 10 represented sires are shown in table.

| Top 10 Sires (based on number of cows appearing on list) | | | |
|--|--------------------------------|---------|------------------------|
| Rank | Name | AI Code | Number of cows on list |
| 1. | Hazael Eminence Dano -ET | HZO | 135 |
| 2. | O-Bee Manfred Justice ET TV TL | OJI | 131 |
| 3. | Caldwells Jordanaire | CWJ | 99 |
| 4. | Bagworth Zander Keet | BWZ | 89 |
| 5. | Mitchells Likabull SJ3 | MKU | 69 |
| 5. | Sunnybank Oman | SOK | 69 |
| 7. | Kevinsfort OJI Haze | KOZ | 67 |
| 8. | SRB Collins Royal Hugo | UYC | 63 |
| 9. | Ruud 22 | RUU | 58 |
| 10. | Morrisheen OJI Frank | MJI | 52 |

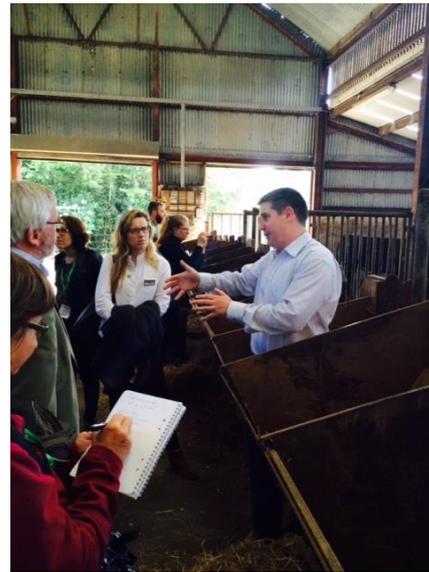
- In total there are 157 cows with an EBI greater than €300. There are 786 cows genotyped which makes up about 40% of all cows listed. Of the 2,000 cows on the list there are 115 classified VG or EX. The average EBI of the Top 2,000 cows is €270 with €72 coming from the Milk Sub-Index and €160 from the Fertility Sub-Index. They have an average parity of 5.2 lactations. The list contains 10 different breeds including Ayrshire, Friesian, Holstein, Jersey, Montbelliarde, MRI/MRY, Norwegian Red, Rotbunte, Danish Red and Swedish Red.
- The Top 2,000 cows can be found in the Genetic Evaluation – Dairy Results page, or click on the following link to download the file directly – Top 2000 Cows on EBI

4 Tully

European Network of Agricultural Journalists (ENAJ) visit to Tully

Journalists from 17 member states of the European Union visited Tully this week (see pictures below). The visit was organised by Bord Bia. Stephen Conroy (ICBF) presented information on the Beef breeding programs that ICBF carries out in conjunction with the industry. These include the G€N€ IRELAND progeny testing at Tully, G€N€ IRELAND Maternal beef breeding program and the new Beef Data Genomics program (BDGP). Overall the ENAJ group was very impressed at the structures and programs put in place by the industry to support beef farmers and the important role genetics will play in making beef farming more profitable.





5 Genetic Evaluations

- A set of AI bull proofs comparing the current Replacement index with the new construction recommended by the Eurostar Review group was circulated this week to the industry.
- The impact of the change on bull rankings and other evaluation updates will be discussed at the Industry meeting on next Tuesday 7th July.

6 Milk Recording

| National Milk Recording Statistics - Herds, Cows & EDIY 03/07/15 | | | | | | |
|--|-----------------------------------|-----------------------------|--------------|--------------------------------------|----------------------------|-------------|
| Milk Recording Organisation | Total Herds Recorded YTD 03/07/15 | No. EDIY Herds YTD 03/07/15 | % Herds EDIY | Total No. Cows Recorded YTD 03/07/15 | No. EDIY Cows YTD 03/07/15 | % Cows EDIY |
| Munster | 3,969 | 1,263 | 32% | 354,506 | 121,428 | 34% |
| Progressive | 2,436 | 1,022 | 42% | 240,666 | 102,324 | 43% |
| Tipperary | 123 | 51 | 41% | 10,945 | 4,523 | 41% |
| Total | 6,528 | 2,336 | 36% | 606,117 | 228,275 | 38% |

| Recorded Cows by Milk Recording Organisation - Year on Year Comparison | | | |
|--|--|--|---|
| Milk Recording Organisation | YTD 2014 Cows Recorded 01/01/14 - 03/07/14 | YTD 2015 Cows Recorded 01/01/15 - 03/07/15 | 2015 vs. 2014 Year on Year Difference (%) |
| Munster | 319,964 | 354,506 | 10.8% |
| Progressive | 229,179 | 240,666 | 5.0% |
| Tipperary | 9,798 | 10,945 | 11.7% |
| Total | 558,941 | 606,117 | 8.4% |

7 Sheep Ireland

Premier Sale preparations

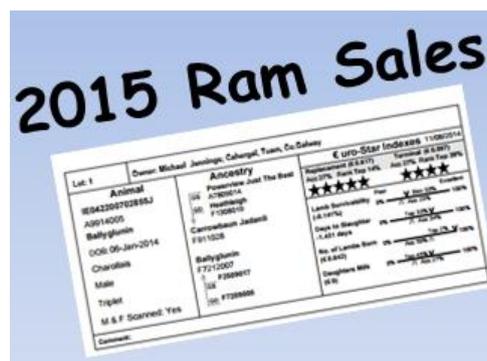
- ✦ This week Sheep Ireland has received a lot of queries from breeders in relation to upcoming premier sales and evaluation data for sale catalogues. Each year there is always a major rush to getting Ultrasound Muscle and Backfat scanning completed for all breeders attending premier sales.
- ✦ In recent weeks we have prioritised the scanning of breeds and flocks that will be attending these important sales. Each breed society puts a huge effort into the sales catalogues for these sales and these catalogues need to be prepared well in advance of the sale itself to allow for printing and circulation. This makes life difficult from a genetic evaluation point of view - firstly we have to ensure that all necessary flocks are Ultrasound scanned, this data must then be submitted into the weekly evaluation which runs over the weekend ready for uploading each Monday.
- ✦ As of today (Friday July 3rd) all ultrasound scanning data collected by our technicians has been loaded to the database and is included in our weekend evaluation. All going well this evaluation will be uploaded to each breeders Euro-Star profiles on Monday at which point the evaluation data will also be available for breed societies to download for sale catalogues where required.

Sheep Ireland Multibreed ram sale reminder

- ✦ Tullamore mart will once again be the venue for the Sheep Ireland Multibreed ram sale. The sale will take place on Saturday 22nd August. Entry criteria and entry forms will be circulated to breeders in the coming weeks. Ultrasound scanning is again one of the main criteria.

Upcoming Premier Sales

Vendeen - Wednesday 15th July - Roscommon Mart. Visit www.vendeen.ie for details.
 Charollais - Saturday 25th July - Tullow Mart. Visit www.irishcharollaisheep.net for details.
 Belclare - Tuesday 4th August - Kilkenny Mart. Visit www.belclaresheep.org for details.
 Suffolk - Saturday 8th August - Roscrea Mart. Visit www.suffolksheep.org for details.
 Texel - Saturday 15th August - Blessington Mart. Visit www.irishtexel.com for details.
 Other breed Premier sales will be listed here over the coming weeks.



Sean Coughlan Chief Executive, ICBF & Sheep Ireland, Highfield House, Shinagh, Bandon Co. Cork., Phone: +353 238 820 222, Mobile: +353 872903121, Email scoughlan@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, 24-JUN-2015 To 03-JUL-2015

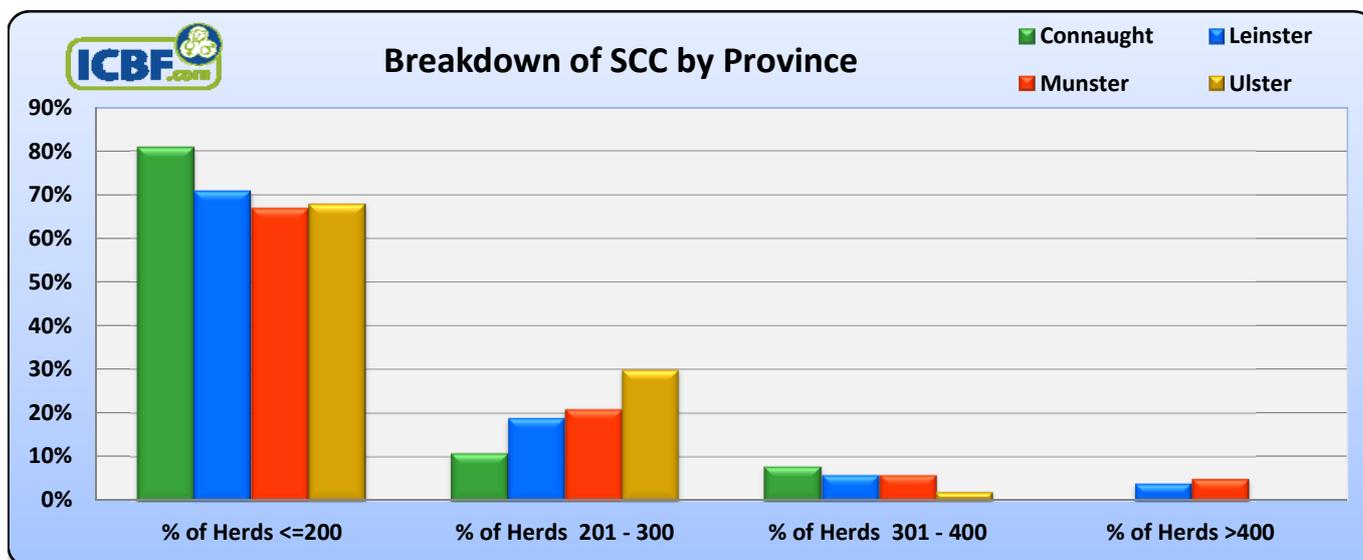
| ICBF | No. Herds Recorded | No. Cows Recorded | Avg Herd Size | Avg Milk kg/Cow | Average Fat % | Average Protein % | Average F+P kg | Average SCC* |
|----------------------------|--------------------|-------------------|---------------|-----------------|---------------|-------------------|----------------|--------------|
| Connaught | 37 | 2,817 | 76 | 24.9 | 3.81 | 3.46 | 1.80 | 159 |
| Leinster | 148 | 15,462 | 104 | 24.2 | 3.73 | 3.47 | 1.74 | 154 |
| Munster | 601 | 51,790 | 86 | 24.9 | 3.81 | 3.51 | 1.82 | 168 |
| Ulster | 47 | 3,511 | 75 | 26.2 | 3.57 | 3.40 | 1.82 | 152 |
| National Statistics | 833 | 73,580 | 88 | 24.9 | 3.78 | 3.49 | 1.81 | 164 |

* Geometric Mean Herd SCC

SCC Distribution for the 10 day period, 24-JUN-2015 To 03-JUL-2015

| ICBF | 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 | 37 | 2,817 | 76 | 81% | 11% | 8% | 0% | 159 |
| Leinster | 148 | 15,462 | 104 | 71% | 19% | 6% | 4% | 154 |
| Munster | 601 | 51,790 | 86 | 67% | 21% | 6% | 5% | 168 |
| Ulster | 47 | 3,511 | 75 | 68% | 30% | 2% | 0% | 152 |
| National Statistics | 833 | 73,580 | 88 | 69% | 21% | 6% | 4% | 164 |

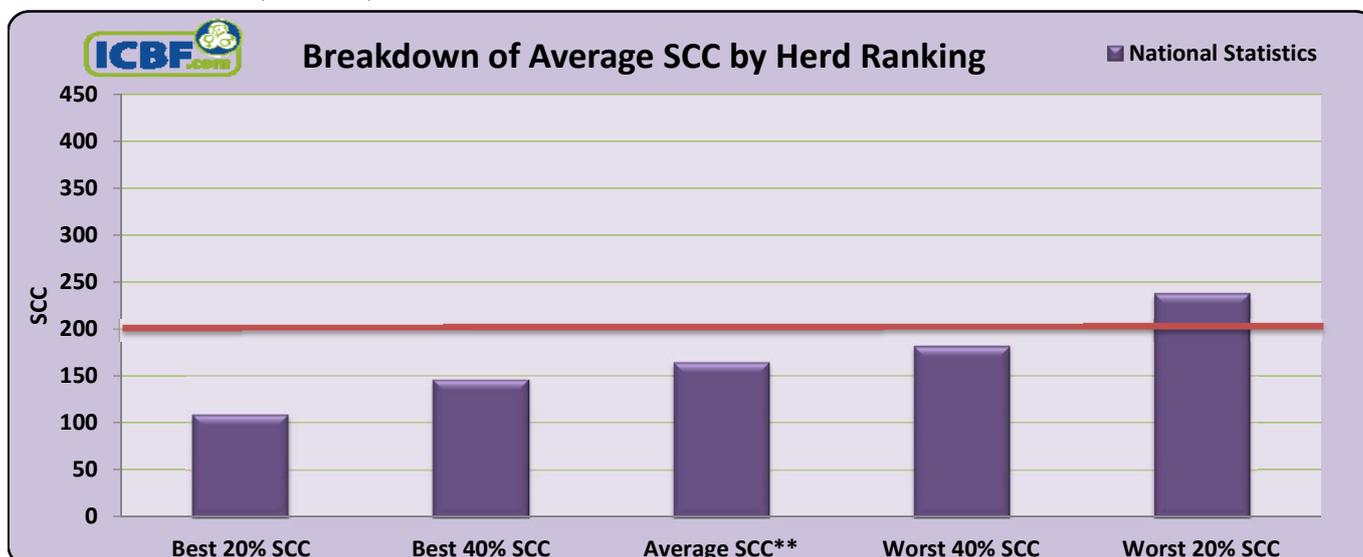
* Geometric Mean Herd SCC



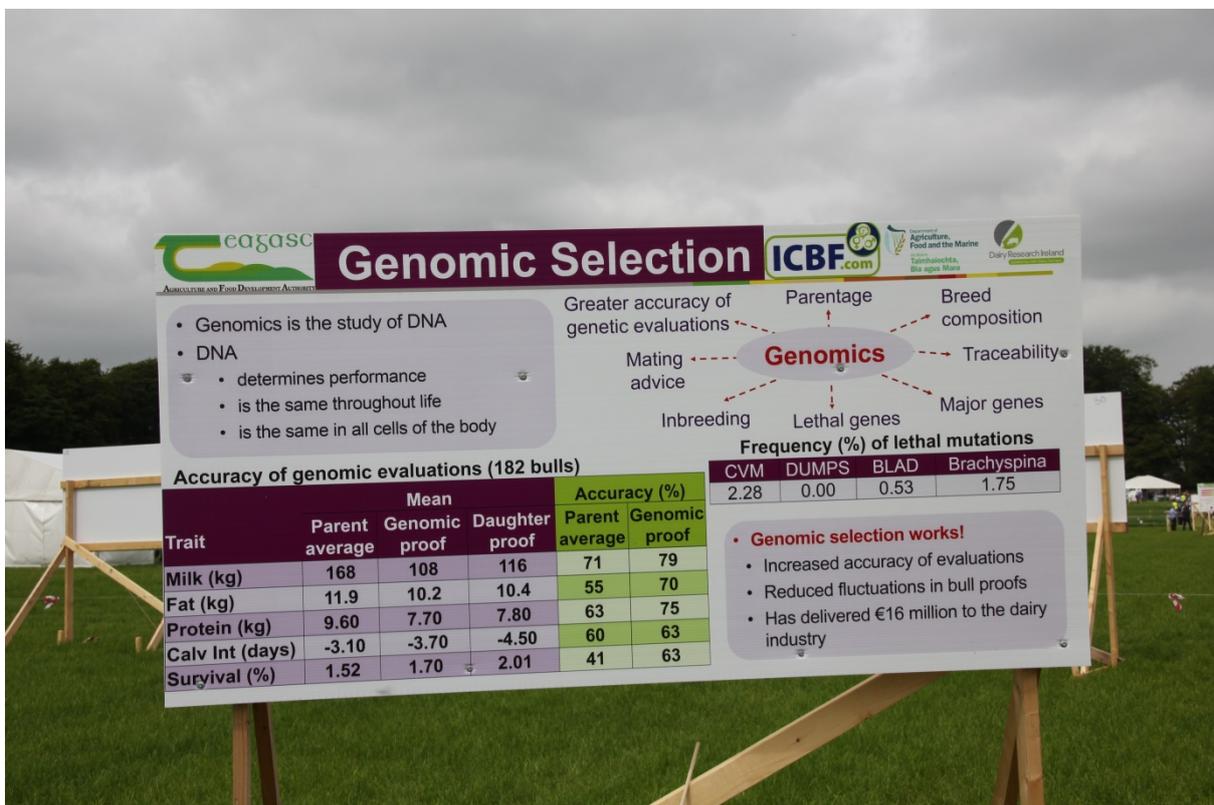
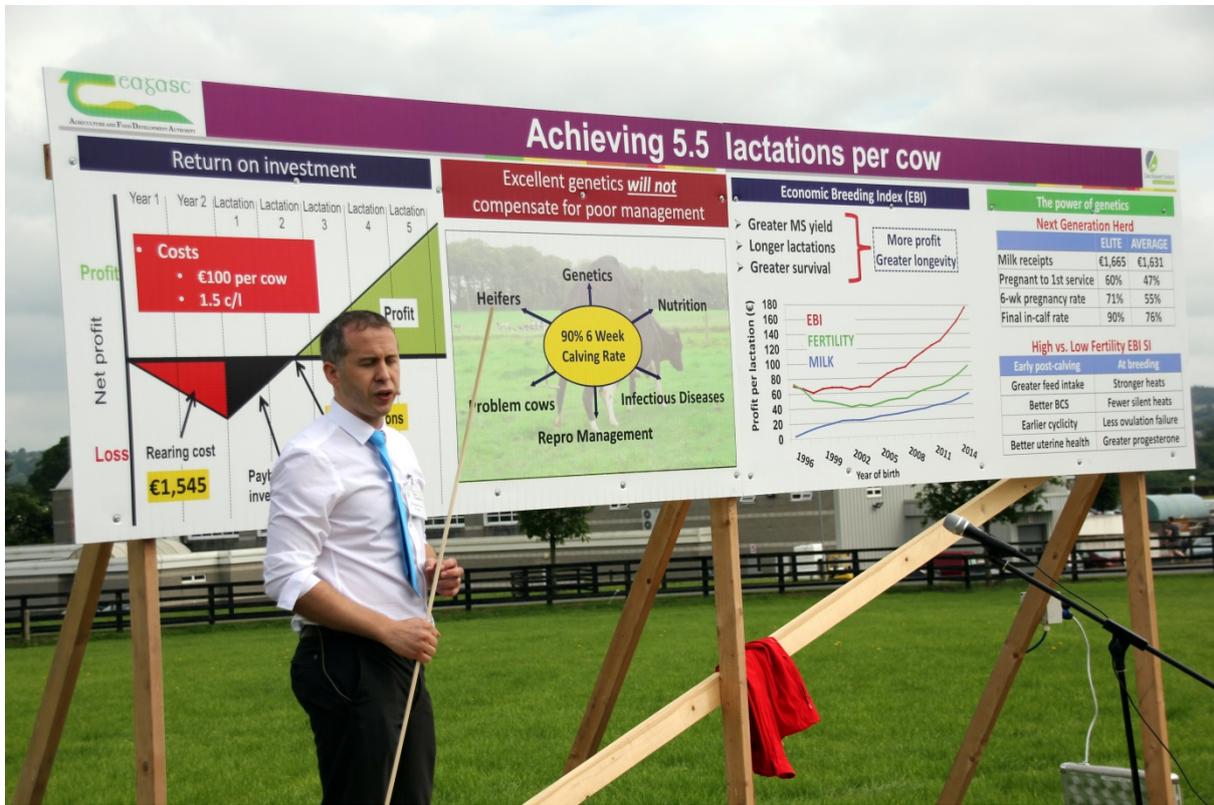
% Herd Breakdown for the 10 day period, 24-JUN-2015 To 03-JUL-2015

| ICBF | No. Herds Recorded | No. Cows Recorded | Avg Herd Size | Best 20% SCC | Best 40% SCC | Average SCC** | Worst 40% SCC | Worst 20% SCC |
|----------------------------|--------------------|-------------------|---------------|--------------|--------------|---------------|---------------|---------------|
| Connaught | 37 | 2,817 | 76 | 118 | 133 | 147 | 169 | 197 |
| Leinster | 148 | 15,462 | 104 | 104 | 142 | 157 | 168 | 230 |
| Munster | 601 | 51,790 | 86 | 110 | 150 | 166 | 184 | 243 |
| Ulster | 47 | 3,511 | 75 | 102 | 147 | 165 | 182 | 223 |
| National Statistics | 833 | 73,580 | 88 | 109 | 146 | 164 | 181 | 237 |

** Percentile Herd SCC Rank (Median SCC)



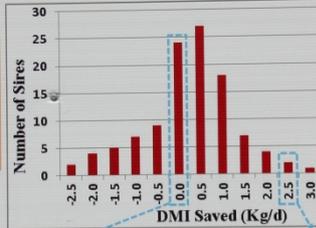
ICBF related boards that were on display at the Moorepark Open Day:



Breeding for Feed Efficiency

Why Feed Efficiency?

- Large cost
- Environmental footprint



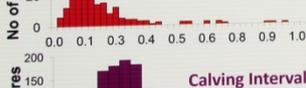
Feed Saved = €314.03 / cow / 5.5 lactations

| | Sire 1 | Vs. | Sire 2 | Difference |
|--------------------------|-----------|-----|-----------|------------|
| Dry Matter Intake (DMI): | 14.1 kg/d | | 16.5 kg/d | 2.40 kg/d |
| Milk Solids: | 1.48 kg/d | | 1.44 kg/d | 0.04 kg/d |
| Live-Weight: | 519 kg | | 524 kg | 5.0 kg |

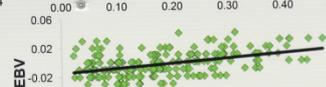
Save 0.73 t DM / lactation (i.e., 305 days)

Breeding Healthier Cows

Sire mean performance/prevalence



Sire genetic merit vs performance



Genetics creates the potential

Management realises the potential

Disease destroys the potential

As much genetic variation in animal health as in fertility

Beef Bulls for the Dairy Herd

Calf mortality →

Calf price ←

Dairy Beef Index

← Gestation length

← Calving difficulty

Short vs. long gestation sires

| Group | Gestation PTA | Gestation (days) | Still birth% (1-4) | Calv diff (1-4) | Calv Price (€) |
|-------|---------------|------------------|--------------------|-----------------|----------------|
| Short | -1.70 | 282.3 | 0.07 | 1.19 | 275.9 |
| Long | 0.56 | 284.5 | 0.08 | 1.25 | 277.4 |

- 6 day difference between the best and worst beef AI sires within breed
- Worth €45 per cow calved on farm

Easy vs. difficult calving sires on farm

| Group | Calv diff PTA | Assistance | | |
|-------|---------------|------------|--------|-----|
| | | Slight | Severe | Vet |
| Easy | 2.51 | 9.9 | 1.1 | 0.5 |
| Hard | 7.03 | 19.9 | 4.7 | 1.2 |

Can we select for short gestation?

Proportion of sires / breed

Gestation length (days)

Legend: Angus, Belgian Blue, Hereford, Limousin, Holstein

COW Index - Ranking Cows for Culling

Economic Breeding Index (EBI)

- Identify suitable parents
- Genetic merit index

Cow Own Worth (COW)

- Rank dairy females within farm
- Heterosis included
- Impact of parity and calving date on profit

Current Lactation + **Future Lactations** + **Cull**

| | | |
|-------------|--------------------------|-----------------------------------|
| Milk solids | Milk solids | Net replacement cost differential |
| Fertility | Fertility | |
| Health | Health | |
| Management | Management | |
| Maintenance | Maintenance | |
| | Beef Calving Descendants | |

COW and EBI: Calving date

Expected future fertility

EBI = Breeding
COW = Culling

Next Generation Dairy Herd – Proving the EBI

ELITE €249 EBI
MSI €69 - FSI €142

National Average €133 EBI
MSI €49 - FSI €65

Performance 2013 & 2014

| | ELITE | Nat. Av. |
|---------------------------|-------|----------|
| Fat (kg) | 218 | 212 |
| Protein (kg) | 179 | 178 |
| Milk receipts (€@30c/l) | 1,665 | 1,631 |
| Pregnancy in 6 weeks (%) | 71 | 55 |
| Calving to conception (d) | 86 | 95 |

Meeting the Targets!

- Milk Solids ✓
○ +7kg
- Body Condition ✓
○ +0.17
- Fertility ✓
○ +16% 6-week, +14% 12-week in-calf
- Performance & Profit as expected
- EBI = More profitable cows

Understanding Your Milk Recording Reports

Milk Recording - Summary Farm Report

| Group | Number of cows recorded | Average milk yield (kg) | Milk Solids (kg) | Protein (kg) | Fat (kg) | MSI | FSI | EBI |
|---------------|-------------------------|-------------------------|------------------|--------------|----------|------|------|------|
| Overall | 118 | 36 | 22.6 | 4.8 | 4.32 | 3.27 | 4.88 | 8.94 |
| 1st Lactation | 39 | 35 | 21.8 | 3.8 | 4.36 | 3.28 | 4.55 | 8.28 |
| 2nd Lactation | 29 | 21 | 25.4 | 4.8 | 4.37 | 3.27 | 4.84 | 8.83 |
| 3rd Lactation | 15 | 23 | 25.8 | 5.5 | 4.38 | 3.28 | 4.81 | 8.82 |
| 4th Lactation | 24 | 27 | 25.8 | 5.5 | 4.38 | 3.28 | 4.81 | 8.82 |
| Dry Cows | 34 | 284 | | | | | | |

Mastitis Incidence Problem - Cow Report

| Cow ID | MSI | FSI | EBI | MSI | FSI | EBI | MSI | FSI | EBI |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1776 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 1807 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 1808 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 1809 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 1810 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 1811 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 1812 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 1813 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 1814 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 1815 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 1816 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 1817 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 1818 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 1819 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 1820 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 1821 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 1822 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 1823 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 1824 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 1825 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 1826 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 1827 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 1828 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 1829 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 1830 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |

3. Test day production history

| Test date | MSI | FSI | EBI | MSI | FSI | EBI | MSI | FSI | EBI |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 150 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 151 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 152 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 153 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 154 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 155 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 156 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 157 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 158 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 159 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 160 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 161 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 162 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 163 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 164 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 165 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 166 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 167 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 168 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 169 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 170 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |

- Average SCC/ lactation
- No. of SCC >200,000
- No. mastitis treatments
- Indicates potential contagious mastitis

- Average SCC - 10 recordings
- Identify trends
- Identify dry cow issues

- Cows ranked in order of contribution to herd SCC
- SCC & milk yield taken into account

- Average SCC for lactation
- Tests > 200,000
- Identify dry cow issue
- Milk record early in lactation