Interbeef Carcase Traits Survey
Survey update: 10th April 2014, Uppsala
Update with France: 20th May 2014, Berlin

Leading the way in Agriculture and Rural Research, Education and Consulting
9 Countries responded

- Czech Republic
- Denmark
- Finland
- France
- Germany
- Great Britain
- Ireland
- (Spain)
- Switzerland
- Sweden
Proxy traits on live animals

• None for France, Switzerland and Germany
• Purebred animals
  – FIN and IRL crossbred animals
• Collected by farmer
  – FIN and GBR
• Collected by trained technician
  – CZE
• Collected by other
  • DNK (test station) and IRL (mix of auction mart, technician and farmer - very little by farmer)
<table>
<thead>
<tr>
<th>Traits</th>
<th>CZE</th>
<th>DNK</th>
<th>FIN</th>
<th>GBR</th>
<th>IRL</th>
<th>SWE</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIVEWEIGHT</td>
<td>365</td>
<td>365</td>
<td>400</td>
<td>250 - 650</td>
<td>365</td>
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<tr>
<td>US MUSCLE</td>
<td>300</td>
<td>400</td>
<td></td>
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<tr>
<td>US FAT</td>
<td></td>
<td></td>
<td>400</td>
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<tr>
<td>US IMF</td>
<td></td>
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<td>250-350</td>
<td>300-600</td>
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<tr>
<td>LINEAR SCORES AND PRICE</td>
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<tr>
<td>MUSCLING SCORE</td>
<td>159-730</td>
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Breeds

Breeds - Proxy traits

- Angus
- Belgian Blue
- Charolais
- Hereford
- Limousin
- Simmental
- Other
Carcass traits

• None for Germany
• Abattoir records
  – Most countries have all categories of breeds
  – SWE only purebred
  – IRL only cross bred
  – IRL taste panel/lab tenderness
• Age
  – Mostly Prime slaughter (300-1000)
    • CZE, DNK, FIN, FRA, GBR, IRL & SWE
  – 1000+
    • CZE, GBR & IRL
  – <300
    • CZE, DNK, FRA & GBR
<table>
<thead>
<tr>
<th>Traits</th>
<th>CHE</th>
<th>CZE</th>
<th>DNK</th>
<th>FIN</th>
<th>FRA</th>
<th>GBR</th>
<th>IRL</th>
<th>SWE</th>
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<td>y</td>
<td>y</td>
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<td>Individual Primal Cuts</td>
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<td>total meat yield</td>
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<td></td>
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<td>killing out %</td>
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<td>Age at slaughter, meal colour (veal)</td>
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Models/Preferences

- **Models**
  - Age adjusted animal models
  - CHE – use CHTAX which is similar to EUROP

- **Preference**
  - Carcase weight, EUROP traits, yields
    - 1\textsuperscript{st}
      - Calving, CWT (X3), EUROP, carcase traits, growth rate (X2)
    - 2\textsuperscript{nd}
      - Carcase traits, EUROP conformation (X3), fertility, slaughter traits, CWT, EUROP
    - 3\textsuperscript{rd}
      - Fertility, conformation, calving ease, yields (X2), carcase fat, meat colour
Summary

- Traits
  - Carcase weight, EUROP Conformation and Fat & yields
- Very much cross bred and GBR, IRL and CHE all commented on the influence of beef from dairy breeds
- Prime slaughter population
- Most countries have pedigree and fixed effect information
  - GBR, IRL, FRA, CHE, SWE .....
Next Steps

• Dependent on the cross breed work
• Construct a more detailed plan
  – Collection format
  – Analysis and time frames
• Organise a data call
  – Carcase weight
  – EUROP conformation and fat