COUNTRY REPORT – CZECH REPUBLIC

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Cattle population development

95% of dairy cows under milk performance control
14% of beef cows under performance control
### Structure of the beef and dairy farms

<table>
<thead>
<tr>
<th>Size (heads)</th>
<th>dairy cows</th>
<th>%</th>
<th>beef cows</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 - 10</td>
<td>3 515</td>
<td>0,9</td>
<td>17 102</td>
<td>9,7</td>
</tr>
<tr>
<td>11 - 50</td>
<td>15 556</td>
<td>4,2</td>
<td>38 953</td>
<td>22,1</td>
</tr>
<tr>
<td>51 - 200</td>
<td>52 619</td>
<td>14,1</td>
<td>54 713</td>
<td>31</td>
</tr>
<tr>
<td>201 - 500</td>
<td>151 082</td>
<td>40,5</td>
<td>40 789</td>
<td>23,1</td>
</tr>
<tr>
<td>501 – 1 000</td>
<td>123 971</td>
<td>33,2</td>
<td>14 673</td>
<td>8,3</td>
</tr>
<tr>
<td>over 1000</td>
<td>26 301</td>
<td>7,1</td>
<td>10 104</td>
<td>5,8</td>
</tr>
<tr>
<td>TOTAL</td>
<td>373 044</td>
<td>100</td>
<td>176 334</td>
<td>100</td>
</tr>
</tbody>
</table>
Beef performance control

- Beef breeds
  - By the inspectors of the Czech Beef Breeds Association
    - Field test (weights of the calves)
    - Own performance test station for young bulls

- Fleckvieh (Simmental) – dual purpose
  - Different sources of information
    - Own performance station for young bulls before AI
    - Progeny performance station
    - Field test information from slaughterhouses
Beef breeds – traits for GE

- Performance recording in the herds (120, 210, 365 d)
- Test stations – daily gain
- Reproduction, fertility, conformation (type), calving difficulties in the herds

- Multiple trait, across breed evaluation
Fleckvieh (SIM) – traits for GE

• Own performance test station - daily gain
• Progeny test station – daily gain, dressing percentage, SEUROP classification
• Field test – dressing percentage, SEUROP classification
• Beef index = daily gain 44 %

+ dressing percentage 28 %
+ SEUROP classification 28 %

• Multiple trait, across country evaluation DE-AT-CZ-HU (CZ since 2007)
Genetic trends for Fleckvieh

- Daily gain
- SEUROP classes
- Dressing percentage
- Beef index
Genomic selection by Fleckvieh

- A part of the joint DE-AT-CZ genetic evaluation
- GoBV for all beef traits and beef index
- Illumina Bovine 54k Chip
- 11 times a year
- For candidates which are available for the owner only
Genetic trends for the beef breeds
(daily gain)
More details…

www.cmsch.cz

www.cschms.cz

www.cestr.cz
Thank you for your attention!

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