Milk Recording Guidelines 2016
New Standards for a New Era

Dairy Cattle Milk Recording Working Group

Variety of recording situations
Variety of expressions

• Definitions
  – Milk Recording/ DHI
  – Recording/ Testing
  – Vial/ Bottle
The scope of ICAR Guidelines section 2.1
The New Guidelines - Structure

- Recording
  - Traditional milking
  - Robotic milking
  - Automatic recording
- Database
- Yield calculations
- Reporting
- Quality Control
Recording

- Who can record?
- Who is recorded?
- ID: cow, herd, sample
- Combining milk weights with samples
- What is recorded?
- Recording method expressions
## Sampling schemes

<table>
<thead>
<tr>
<th>Sampling scheme</th>
<th>Milkings sampled</th>
<th>Milkings recorded</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>P</td>
<td>2</td>
<td>2</td>
<td>Proportional sample</td>
</tr>
<tr>
<td>E</td>
<td>2</td>
<td>2</td>
<td>Equal sample from each milking</td>
</tr>
<tr>
<td>M</td>
<td>2</td>
<td>2</td>
<td>Multiple separate samples</td>
</tr>
<tr>
<td>Z</td>
<td>1</td>
<td>≥ 2</td>
<td>One-milking sampling with several milk weights</td>
</tr>
<tr>
<td>T</td>
<td>1</td>
<td>1</td>
<td>Alternate one-milking recording</td>
</tr>
<tr>
<td>C</td>
<td>1</td>
<td>1</td>
<td>One-milking recording, always the same milking</td>
</tr>
<tr>
<td>I</td>
<td>Continuous analyser, no sampling</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Recording continued...

- Data from electronic milk meters
  - Parlours
  - Robots
- Automatic recording systems
- Sampling
Database & Yield Calculation

- Data & Data checks
- Automatic recording systems
- 24-hour yield
- Accumulated yield
- Approval of new methods
Reporting & Decisions

- Reporting
- Access to data
- Definition of key figures
  - Example: Average yield of a herd
- Decisions based on MR figures
Quality Control

- Bulk tank comparison
- Supervised recording
- Data quality evaluation