International Review of Best Recording Practices/Routines

37th ICAR Session
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Presented by;
ICAR Sub-Committee on Recording Devices

Milk Recording in Germany

About DLQ

As the umbrella organisation of organised milk recording organisations in Germany, Deutscher Verband für Leistungs- und Qualitätsprüfungen e.V. (DLQ) comprises all milk recording organisations (16) and the data center in Verden.

Certification

DIN EN ISO 9001:2008-12

Akkreditation

DIN EN ISO 17025

- ☐ General Rules for Milk Recording

- ☐ Preparation of Milk Recording

- ☐ Testing Procedures

- ☐ Data acquisition and data provision in Herd

- ☐ Sample Transport

- ☐ Sample accepting and analysis

- ☐ Processing Data and Inform the Farmer

General Rules for Milk Recording

- ☐ Inform the farmer just before start MR

- ☐ All cows of a herd will be tested (also if sick or in heat)

- ☐ All cows are marked with official eartag

- ☐ Changes of the working procedure, the time of milking and feeding before milk recording are not accepted

- ☐ Any insets of hormones or active agents to promote the milk performance are prohibited

- ☐ The MR is realized evenhanded, conscientious, sanitarily and punctual

- ☐ Farms with two times milking start MR in the evening

- ☐ Farms with three times milking start MR at noontime

- Check if the farmer information of the last MR is completed
- Boxes with vials and if necessary RD (ICAR-approved) have to be ordered in necessary number
- Check for new and left cows as well as calving dates for the time period after the last MR, the data have to be listed
- Status Dry and Colostrums of the respective cows have to be listed
- conservation of needed vials
- Open "MR" in the Herd-PC/Palm (enter date and group order and box number, milking frequency and so on, vial number of the respective cow will automatically given)
- If use Herd-PC: print worksheed (number cow, box, number vial)
- if necessary the mobile RD have to be build in (only annually approved RD)
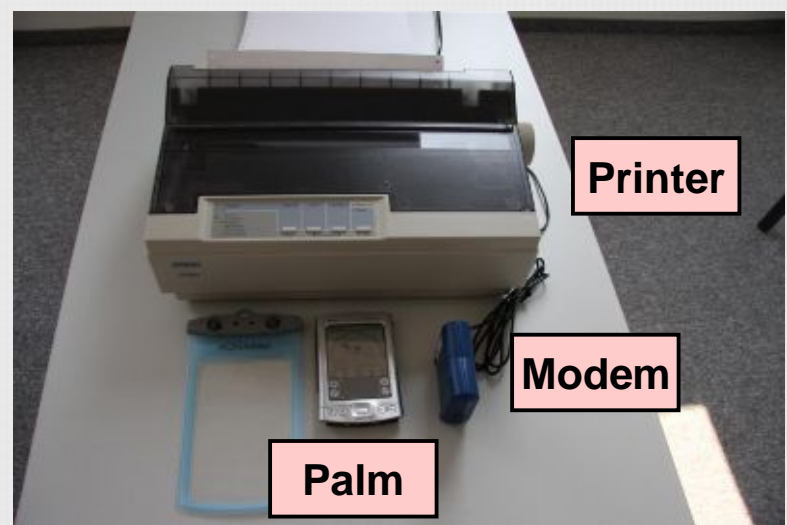
  (ICAR-approved)

Manufacturer-Milkmeter

ICAR-approved since 2005

for cattle milk testing

457896235145

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- Identification of the cows ID (automatic Systems or visual)
- note the milk weight on worksheet or type into Palm (read proper off on display or scale, when mobile RD)
- Mix the entire milk thoroughly and transfuse it into a measuring beaker
- samplings have to be done immediately after the mixing with scaled pipette
- fill the milk sample into the correct vial, close and shake the bottle, to have a good conservation
- each cow has one bottle in which the samples of all the milkings (two or three) are collected
- empty measuring beaker after each milking
- After milking clean equipment

☐ If use Palm: Milk weight will be stored in the Palm-Program for every cow during the milking (data record per animal: farm number, date, box number, vial number, milk weight, milking frequency)

☐ If Use Farm-PC: Milk yield has to be typed in PC from the worksheet for every cow (data record per animal: farm number, date, box number, vial number, milk weight, milking frequency)

Data acquisition and data provision in Herd

- [ ] Validity check, whether all of the data are listed (Herd-PC and Palm)

- [ ] Fill in accompanying documents (farm, date, technician, box number)

- [ ] transfer the MR-Data via dial-up, mail-box, email or electronic volume to the Milkrecording Organisation (MRO)

Printer

Modem

Palm

Sample Transport

- ☐ Provision of the samples and documents in the farm or in collecting points and transport with reefer
- ☐ Collection of the samples through own courier service according to schedule

Sample accepting and analysis

- ☐ Incoming inspection
  - ■ (farm, box number, sample number, conservation, fill level, completeness of the documents)
- ☐ Analysis: fat, protein, lactose, somatic cell, urea

Processing Data and Inform the Farmer

- Merging: cow number and milk weight with ingredients of milk (milk composition)

- Performance Calculation (day of MR, milking average, herd average, sliding annual performance, 100-days-performance, 305-days-performance, annual performance, 305-daily output, life-performance, and so on)
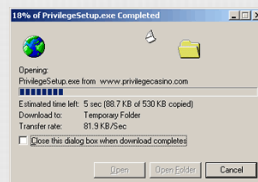
- Data storage

Inform the Farmer

- The MRO and the Data Center inform the farmer via:

Internet	Fax	Mail

Thank you for your attention!

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