KvikKoen

From the barn to the cattle database
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What is KvikKoen?
A PDA-solution which gives the farmer direct access to his data from the barn

What is the Cattle Database?
- Herd
- Veterinary data
- CHR register
- Dairy health database
- Research
- Data from slaughter houses
- Data from dairy factories

How does KvikKoen work?

Advantages for the Farmer
- High security of data entries
  - Validation of data entries on the spot
  - Out of sight – out of mind
- Little time needed – less hassle
  - Data entries are included in the database as soon as the action is entered
  - Information is available when needed
On-line - advantages

• Simple and quick development
• Easy to check on many animals
• High safety when entering data
• Always the latest data available
• The technique is well developed and tested

On-line – disadvantages

• The barn has to be covered by
  • GPRS – covers most places, but charged according to use
  • Wi-Fi – fast and low running costs, but small range and high investment costs
  • Bluetooth – same as GPRS
• Number of applicable PDAs decreases
• No support data from the PDA

Entering of data

Looking up individual animals

Herd lists

Expected Calvings

Contents
• Less than 100 days to calving
• Grouping (days to calving)
  • Green: >9 days
  • Yellow: 9-2 days
  • Red: <2
• Sorted by
  • Heifers, cows, all
• Variables
  • Animal number, lactation number, days to calving, expected date of calving
• Follow menu
  • Individual animal or calving
Heat observation

Contents
- Cows: not inseminated and not marked for culling
  - Heifer: not inseminated and not marked for culling; older than 15 months
- Groupings
  - 1. calvings: Green: < 60 days; Yellow: 60-80 days; Red: >80 days
  - Heifers/others: Green: < 40 days; Yellow: 60-80 days; Red: >80 days
- Sorted by
  - Heifers, cows
- Variables
  - Animal number, lactation no, days from last calving/start of heat obs, last date of calving/date of heat
- Follow menu
  - Individual animal, AI, heat

AI started

Contents
- Cows and heifers which were inseminated/ in heat within the last 300 days and which are either not in calf or are not yet examined
- Groupings (days from the last insemination)
  - Red: 19-23 days + X*21 days
  - Yellow: 17-18 and 22-23 days + X*21 days
  - Green: others
- Sorted by
  - Heifers, cows, all
- Variables
  - Animal number, lactation number, days from last AI, date of last AI, gestation status
- Follow menu
  - Individual animal, AI, heat, gestation

Dry Cows/Preparation for Calving

Contents
- Cows less than 90 days from calving
- Heifers less than 60 days from calving
- Groupings (days from drying off/preparation)
  - Green: >9 days
  - Yellow: 9-2 days
  - Red: <2
- Sorted by
  - Heifers, cows
- Variables
  - Animal number, lactation number, days from drying off, preparation/expected date of drying off
- Follow menu
  - Individual animal and drying off

System

Focus Areas
- Finish installation on the farms
- Constant collection of experiences from more than 300 users
- Development of new functions of KvikKoen
  - Farmers
  - AI technicians
  - Vets
  - Consultants

New possibilities
- Right now...
  - Correct/ delete data entries
  - Enter bleeding or heat observations
  - Intelligent data entry
  - Registrations – weekly visit by vet
- Possibly in the future...
  - Order of documents
  - Order of ear marks and replacement marks
  - Data entry of groups
  - Big consumer investigation during the summer