DAIRY MANAGEMENT SYSTEM
SERVICES

► CONSULTING:
► support of dairy enterprises: coops, family farms, large dairy enterprises
► Training programs for client groups: coops, A, B, C farm groups, large enterprises
► Coaching - for A, B, C client groups
► Laboratory
► Support – comfort of animals
CONSULTING: SUPPORT OF DAIRY ENTERPRISES: COOPS, FAMILY FARMS, LARGE DAIRY ENTERPRISES

- Extra revenue – correct management – software
- Short-term consulting
- Year-round consulting
- Monthly consulting
- Laboratory consulting
- One-time consulting
- Audit-monitoring of a dairy enterprise
**SHORT-TERM AND YEAR-ROUND CONSULTING**

- **Consulting programs:**
  - **Lak-T** - record-keeping (head identification, controlled milking, productivity data input), head and production flow, analysis, recommendations, complete support;
  - **Rational** – well-balanced nutrition, quality feeds, preparation of mixtures.
  - **Heifer** – record-keeping (head identification), analysis, recommendations, complete support;
  - **Genetics** – individual selection of stud bulls for each cow
LAK-T RECORD-KEEPING (HEAD IDENTIFICATION, CONTROLLED MILKING, PRODUCTIVITY DATA INPUT), HEAD AND PRODUCTION FLOW, ANALYSIS, RECOMMENDATIONS, COMPLETE SUPPORT
Complete information on each animal in the population.
Representation of all current (present-day) information on the population in the form of reports and work execution schedules.
Data for herd analysis in any form and for any period.
Visual analysis of individual and total reproduction at the farm
Detailed information on control milking with milk test results for each cow.

LAK-T ...... NEEDS IDENTIFIED OPPORTUNITIES USED RECOMMENDATIONS GIVEN

- Developed software tool for dairy management
- Tracks milk production and quality
- Identifies needs and opportunities for improvement
- Provides recommendations for optimal milking practices

![Software Interface]

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- **Features**:
  - Control milking
  - Milk test results
  - Daily production data

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Due to herd data processing by master server Valacta (Canada), clients receive reports on the herd correlated by milk quality, the state of cows and population productivity.
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RATIONAL – WELL-BALANCED NUTRITION, QUALITY FEEDS, PREPARATION OF MIXTURES

**Recommendations:**

- feed selection (feed base)
- sowing and cultivation (crops, terms)
- timely harvesting, transportation and storage
- laboratory analysis
- diets – individual approach, formation of groups by lactation periods, physiological condition, quality and quantity indices
- preparation of mixtures
- nutrition quality assessment
FEED SELECTION (FEED BASE),
- SOWING AND CULTIVATION (CROPS, TERMS)
TIMELY HARVESTING, TRANSPORTATION AND STORAGE
LABORATORY ANALYSIS OF FEEDS
- DIETS — INDIVIDUAL APPROACH, FORMATION OF GROUPS BY LACTATION PERIODS, PHYSIOLOGICAL CONDITION, QUALITY AND QUANTITY INDICES

- PREPARATION OF MIXTURES
NUTRITION QUALITY ASSESSMENT
CONSULTING - MONTHLY

ONE-TIME CONSULTING

- Basic unit, support and training of farm experts on sample selection for milk and feed analysis and their delivery to the lab.
LABORATORY CONSULTING

- Regular planned selection of samples by our experts and specially trained experts from farms and enterprises
- Interpretation of output data
SUPPORT – COMFORT OF ANIMALS

- STANDARD PROJECTS – for construction and reconstruction of family farms – tie, tie-free. 10, 20, 60 head
- Complete support of these farms from scratch within the project
- Provision with all the required technological equipment for comfort keeping of animals
TRAINING PROGRAMS

- Training dairy enterprise experts
- Holding practical and theoretical trainings for farmers and dairy enterprise experts on the selection of milk and feed control samples (for quality analysis), on breeding, feeding, keeping and growing young stock and on producing quality milk.
- Program training
- Trainings on planning and economy, business plan preparation
COACHING

- Development of consultant’s skills and knowledge in individual work and team work as close to real farmer’s situation as possible.
- Prevention of problems with milk production, feed supplies, animal reproduction, quality etc., since the coach supports the farmer at the time of decision making.
- Economic analysis and establishment of management record-keeping to justify investments in production (jointly with Cooperative Academy)
- Benchmarking and facilitation of groups of farmers for mutual motivation towards production and profitability enhancement.
MILK QUALITY LABORATORY
DairySpec determines the content of:
- Fat
- Protein
- Lactose
- Total milk solids
- Total skimmed milk solids
- Freezing point
- Urea nitrogen

SomaCount measures:
- Somatic cells score

Benefits:
- Accuracy, simultaneous analysis of one sample in two analyzers
- High speed of operation
- Analyzed samples coding system
- Automatic processing and export of obtained results
- Urea content determination
- User-friendly data storing and analysis of great amounts of data

DairySpec Combi: a combined system by Bentley
LABORATORY RESEARCH CONDUCTION

1. Arrival of samples to the lab
2. Identification of received samples according to accompanying documents
3. Analyzer precision check
4. Preparation of milk samples for research
5 Conduction of analysis of milk samples, obtaining of research results

6 Cleaning DairySpecCombi after work completion
12 STEPS OF MILK SAMPLE SELECTION

1. Ensure that milk chambers are clean and well-calibrated.
2. Place them in vertical position.
3. Record the amount of milk.
4. Ensure that test tubes contain conservant.
5. Mix the collected milk.
6. Pour milk into the test tube.
7. Cover the test-tube and make sure it is covered tightly.
8. Identify each test-tube with a bar code, check correspondence between bar code and animal. The bar code contains herd number and control number of the cow.
9. Dissolve the conservant as soon as possible after the milking of each cow, inclining the test-tube several times.
10. Reduce milk residue transfer from cow to cow by ensuring that milk chamber container is empty after each cow.
11. Protect samples from extreme temperatures (very hot and very cold). Store them cooled as long as possible.
12. Identify correctly, pack the box and send samples to the lab as soon as possible.