Livestock Farm "Bohinc"

ABBOUT THE FARM AND FARMER

Farm Overview

- The Bohinc farm is a family farm primarily focused on milk production.
- The farm currently cultivates around 60 hectares of arable land and manages 65 dairy cows.
- The farm operates across land from 30 different owners, covering 100 GERKs, with an average size of 0.60 hectares each.

History and Transition

- Janez Šebat took over the farm from his father in 1999, shifting to a grazing-mowing system.
- In 2001, the farm relocated and built a new dairy cow stable, allowing expansion.
- By 2019, Janez's son joined the farm, continuing its growth.
- Under Janez's management, arable land increased from 40 to 60 hectares, and dairy cows grew from 45 to 65.

Technological Advancements

- A new barn was built in 2001 at a location specifically chosen to accommodate further development.
- Due to strong wind gusts from the Karavansk fen, with speeds reaching up to 100 km/h, the farm constructed a closed barn to prevent wind damage.
- With the increased number of animals, the farm expanded its storage facilities for fodder, including the construction of new silos.

TECHNICAL PARAMETERS OF THE FARM IN NUMBERS

Cultivated area	60 ha - 40 ha permanent meadows, 20 ha fields
Average no. of grass cuttings and clover grass mix cuttings per year	3x
Clover-grass mix in rotation	1 year (due to agricultural policy measures)
Soil type	Sandy
Average rainfall	1300mm
Altitude	530 m
Number of dairy cows	60-65
Other cattle (heifers and calves)	55-60
Total annual quantity of milk	630,000 kg
Average milk yield of cows	9,950 kg
Protein and fat content of milk	3.39% protein, 4.24% fat
Age of heifers at first insemination	17-18 months

ROLE OF ADVICE IN DECISION MAKING

Current Farm Emissions

- Per hectare: 12,378 kg CO2 eq/ha
- Per kg product unity: 1.1635 kg CO2 eq/kg
- 767.53 tons CO2e per year

Top 4 Mitigation & Adaptation Measures

- Installing mechanical ventilation
- Use charcoal as an additive for farmyard manure / compost
- Precision agriculture (spreading systems with GPS)
- Use of nitrification inhibitors (kg)

Opportunities & Challenges - Next 5 Years

- Improve grassland management, as progress is still limited.
- Enhance soil fertility by increasing organic matter and using appropriate fertilizers and manure additives.
- Improve animal welfare in the barn, addressing annual heat stress.

Main Role of Advice

- **Advisory services,** along with a strong will to learn and farm visits, play a key role in introducing new practices.
- **Commercial companies** provide valuable information, significantly improving agricultural practices.

THEMATIC AREAS

Grassland management

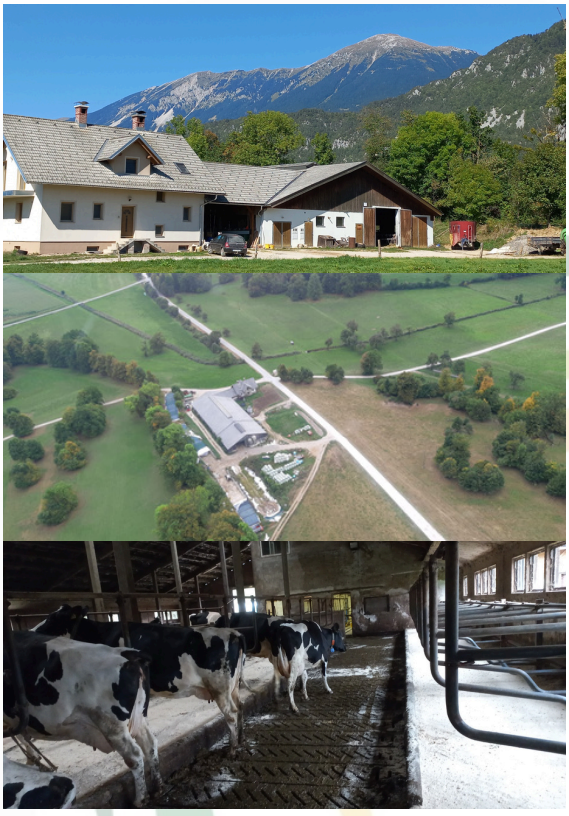
Herd management

Manure storage and spreading

COMMITMENT TO CLIMATE SMART FARMING

We implement several measures to ensure animal well-being, quality feed, favorable conditions for plant growth, more efficient slurry storage, healthy soil, etc. In this way, we want to ensure that the farm depends as little as possible on others and is also more sustainable. For many years, we have been using various supplements to strengthen plants, to ripen slurry, calculate feed rations, etc. In this way, we increase production, and the results of all measures can be seen in the quality of the feed, the health of the animals and, of course, in the products themselves.

Janez Šebat
Farm Owner



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