Conventional Farm "Cajhen"

ABBOUT THE FARM AND FARMER

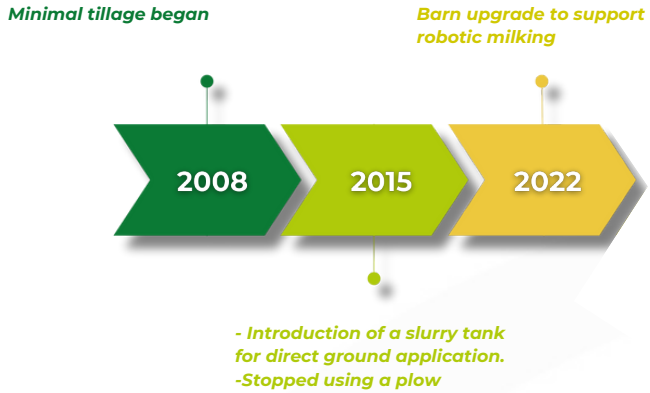
Farm Overview

- ***Farm owner:*** Bojan Cajhen
- ***Employees on the farm:*** Bojan Cajhen, Maja Cajhen (wife) and Mateja Cajhen (sister)

History and Transition

- Bojan Cajhen took over the family dairy farm in 2010, expanding it from 60 to 90 hectares and increasing the herd from 90 to 140 cows.
- Milk yield improved from 7,000 kg to 10,000 kg, and soil quality measures, such as winter greening, have been in place since 2004.
- A new stable was built in 2004 to enhance animal welfare.

Technological Advancements



TECHNICAL PARAMETERS OF THE FARM IN NUMBERS

Cultivated area	93 ha, 21 ha of permanent meadows, 71 ha of fields
Average no. of grass cuttings and clover grass mix cuttings per year	4x
Clover-grass mix in rotation	2-3 years
Soil type	Mixed (sand, clay, loam)
Average rainfall	1200mm
Altitude	280m
Number of dairy cows	140-150
Other cattle (heifers and calves)	130-140
Total annual quantity of milk	1,300,000 kg
Average milk yield of cows	10,300 kg
Protein and fat content of milk	3.53% protein, 4.18% fat
Age of heifers at first insemination	14-15 months

ROLE OF ADVICE IN DECISION MAKING

Current Farm Emissions

- Per Area: 15,010 kg CO2 eq/ha
- Per Product Unit: 0.8331 kg CO2 eq/kg product unity
- 1,395.96 tons CO2e per year

Adaptation & Mitigation Measures

- Feeding of methanogenic inhibitors
- Use of nitrification inhibitors (kg)

Opportunities & Challenges - Next 5 Years

- Improve soil fertility for more resilient farming and consistent, high-quality crops.
- Increase energy self-sufficiency by installing a solar power plant.
- Enhance animal welfare in the barn, especially during periods of heat stress.
- Adopt sustainable farming practices to reduce the farm's carbon footprint.

Main Role of Advice

- Expert advice from **companies, advisors, and farmers** helps optimize current practices and adopt new methods.
- **Advisory services** guide the adoption of new practices, balancing economic, time, and environmental factors, with agricultural policies providing financial support.

THEMATIC AREAS

Additives for reducing enteric methane emissions

Crops management

COMMITMENT TO CLIMATE SMART FARMING

We try to adapt to climate change in all areas and to farm with as little environmental footprint as possible, while at the same time ensuring enough feed, the best possible quality feed, animal well-being, quality produce and healthy soil. For better results and faster adaptation, mitigation and reduction of the carbon footprint, we would need even more knowledge and more financial support.

Bojan Cajhen
Farm Owner

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