



Livestock are more than food



Perttu Sirviö

Lampela Dairy farm

Finland

*... it's also
northern
dimension*



...it's history



- Increasing farming wisdom more than 250 years
- “Always” dairy cows
- From late 1970s just dairy cows
- Our family has been owning the farm since 2009
- Both entrepreneurs are MSc in Agr.

...it's overall concept

- 90 cows, mostly Holstein, 12 500 ECM kg
 - 60 calves and heifers
- 180 ha field
 - 85 ha silage
 - 50 ha cereals
 - 10 ha pea
 - 20 ha whole crop silage from wheat and pea
 - 8 ha pasture
 - 7 ha biodiversity fields
- Stocking rate is 0,5-0,6 livestock units/ha





... it's animal welfare

- Finnish way; we use as little antibiotics as possible and only by veterinarian's prescription
- Outdoor access, also in winter
- National voluntary health care system
- Also voluntary schemes from milk buyer, Valio group



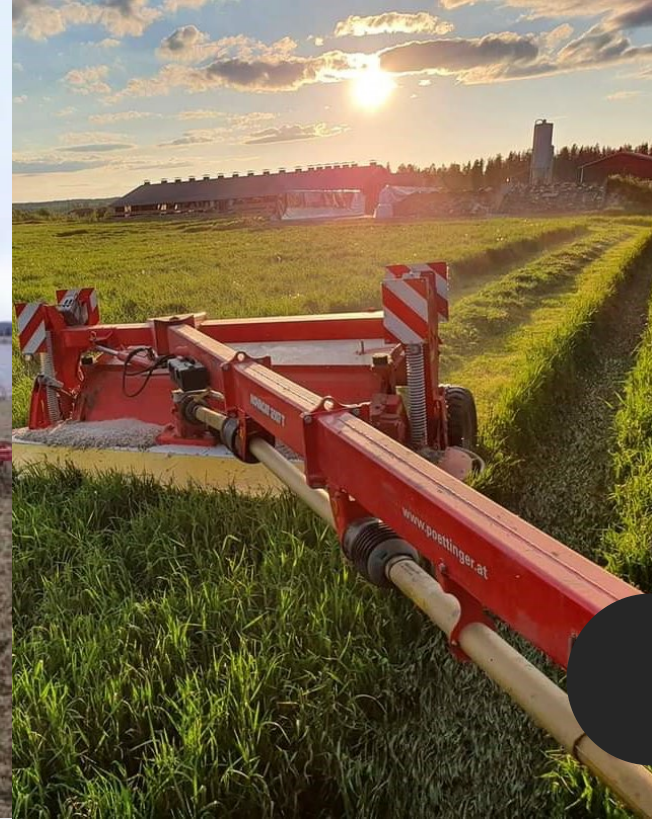
..it's nutrient cycle and circular economy



- We handle both slurry and bedded manure
- We add ammonium sulfate from local nickel mine to slurry to reduce use of mineral fertilizers
- For improving soil productivity and carbon sequestration we also use zero fiber from pulp industry
- We also hand over manure to neighboring farm(s)
- Slurry use is appr. 30 m³/ha/year

...it's grass and it's benefits

- Usually three cuts
- Mainly timothy, meadow fescue, tall fescue, English ryegrass and clovers
- Four to five crop years
- Keeping fields and landscape green
- Effects on reducing greenhouse gas emission
- Soybean free production





... *it's biodiversity*

... it's local economy

- our annual turn over is 750 k€, 4200 €/ha
- usual crop farm in Finland about 1200 €/ha (FADN)
- our purchases from our collaborators are 60-80 k€
- contracting, grain, hay etc.



Rehumailaset

Rehumailaset nurmissa

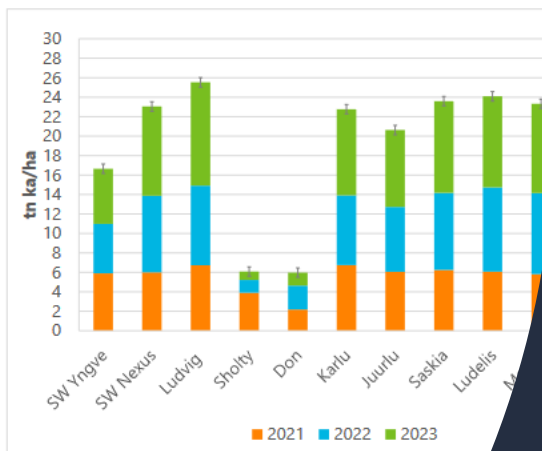
Maannonvarakeskus

Tulokset

- Sinimailanen ja sinimailastyypiset rehumailaslajikkeet pärjäsivät erinomaisesti, kun taas sirppimailastyypin rehumailaset 'Don' ja 'Sholty' ja puna-apila tuottivat heikoimmat sadot.
- Rehumailasilla korkein sato saatiin lajikkeella 'Ludvig', jonka kumulatiivinen sato oli 25,5 tn ka/ha 2021-2023.
- D-arvo oli rehumailaslajikkeilla heinärehujen taulukkoarvoja matalampi ja RV korkeampi.
- Rehumailasista löytyi potentiaalisia lajikkeita viljelyyn.



Kuva 1. Ilmakuva rehumailaskokeesta Maaningalla 28 kesäkuuta.



Kuva 2. Kumulatiivinen kuiva-ainesato (tn ka/ha) lajikkeittain vuosina 2021-2023. Virhepalkit osoittavat keskiarvon keskivirheen.

..it's theory in practise

- Methods for preventing nutrient leaching to waterbodies and ground water
- Separated slurry as bedding material
- Sustainability from grasslands
- Smart nitrogen circulation
- Optimizing feeding

...it's CAP27

- Goals are good from my view
 - Fair income level for farmers and competitiveness
 - Environment
 - *Keeping fields plant covered, biodiversity of grass*
 - Food security
- But is it working...?
 - *Time has changed, should we put the food back to the centre?*
 - *Allocating subsidies more to active farmers ?*
 - *Peatlands are quite big issue at our area*
 - *Payment schedule*
 - *Strengthening co-operation fo whole food chain*

... it's A Finnish Comprehensive Security Concept

*Psychological
resilience*

Education
and knowledge
base

*Functional
capacity of the
population and
services*

Income and
wellbeing of
farmers

*Economy,
infrastructure
and security of
supply*

Leadership

Agricultural Policy



Farm income,
Energy and water supply,
Production inputs

*International
and EU activities*

EU Common
Agricultural Policy

*Defence
capability*

Security of Supply
for Food during the
State of War

*Internal
security*

Cyber Security of Farms
Crime Risks e.g. Human
Trafficking



Thank you!

