



Pilot farm name: Pasola

Pilot farm location: Nurmes, North Karelia, Finland

Name of farmers: Niina & Hannu Gröhn

The herd

- **69 dairy cows & 61 dairy heifers**
- **Breeds:** Holstein and Ayrshire
- **Age at calving:** 24.5 months
- **Automatic milking system** (one robot)
- **Milk to dairies** 726 000 kg
 - 12 000 kg ECM/cow/year
 - Milk fat%: 4.05
 - Milk protein%: 3.48

The farm

- **Arable area 150 ha** of which **120 ha on grass**
 - Mixture of timothy, meadow fescue, and clover
- **3 grass silage cuts** per year typically
 - Silage stored in round bales with own machinery
- **Workforce:** 2 family workers and 1 hired

Innovations

- **Collaboration** with contractors improves efficiency
 - E.g. manure spreading
- Farm invests in **efficient grass production and management**
 - Good forage quality
 - Grassland area quite large in relation to the number of animals
→ opportunity to sell the feed during
- **Dry cows** outside during summer
 - good conditions for cows during the dry period
- **The importance of bedding material** in cubicles noticed
 - Bedding twice a day with peat
 - Better udder health and cleanliness, less skin alterations
- **Crimped grain** used as a part of dairy cows' feeding
 - Simplifies grain harvesting in autumn

Themes of interest:

Resource efficiency
Socio-economics
Animal care