



**Pilot farm name:** Timola

**Pilot farm location:** Valtimo, North Karelia, Finland

**Name of farmers:** Arto ja Teija Hämäläinen

### The herd

- **Organic milk producer**
- **78 cows & 64 heifers**
- **Breeds:** Holstein and Ayrshire
- **Age at calving:** 25 months
- **Automatic milking system** (one robot)
- **Milk to dairy:** 720 000 kg
  - 11 000 kg ECM/cow/year
  - Milk fat%: 4.19
  - Milk protein%: 3.24

### The farm

- **Arable area 240 ha** of which **160 ha on grass** (organic)
- Usually **2 grass silage cuts** per year
  - Grass is mixture of timothy, meadow fescue and clovers
  - Silage stored in round bales with own machinery
- **Whole crop silage used as part of the feeding**
  - Green peas and oats
- **Workforce:** 2 family workers and 1 hired

### Innovations

- Farm invests in **efficient grass production and management**
  - Good forage quality  
-> high milk production and high milk fat and protein %
- **Cows have part time access to pasture during summer**
  - Positive effects on claw health and reproduction
  - Winter paddock also under consideration
- **Group calving pen with peat bedded pack**
  - Good and restful area for calving
- **An automatic system for animal health and fertility monitoring**
  - The system measures automatically milk progesterone, urea, BHB and lactase hydrogenase enzyme content
- **Network and collaboration with crop farmers**
  - Facilitates labor availability and makes work more efficient

### Themes of interest:

Biodiversity  
Resource efficiency  
Socio-economics  
Animal care