



Pilot farm name: Koivumäki

Pilot farm location: Tohmajärvi, North Karelia, Finland

Name of farmer: Ari Lajunen

The herd

- **Organic milk producer**
- **200 cows & 150 heifers**
- **Breeds:** Holstein and Ayrshire
- **Age at calving:** 25 months
- **Milking** two times a day, 2x14 side-by-side parlour
- **Milk to dairy:** 1 445 000 kg
 - 9500 kg ECM/cow/year
 - Milk fat%: 4.1
 - Milk protein%: 3.3

The farm

- **Arable area 250 ha** of which **180 ha** on grass (organic)
- Usually **2 grass silage cuts** per year
 - Grass is mixture of timothy, meadow fescue, perennial ryegrass and clover
 - Silage stored in concrete silos
- **Whole crop silage** included in the feeding
 - Wheat, oat, barley, spring rye-wheat
- **Concentrate feeds** purchased outside
- **Workforce:** 4-5 fulltime workers

Innovations

- **Cooperation with contractors in silage harvesting**
 - Less need to invest into own machinery chain
→ saves costs
- **Invests for cows' lying and resting comfort**
 - Good stall structures enable easy movements
- **Good management and care of animals lead to good animal health and low veterinary costs**
- **Cows have a part time access to pasture during summer and to a paddock during winter**
 - Positive effects on claw health and reproduction
- Cows have **an automatic system for feeding time measurements**
 - Health monitoring

Themes of interest:

Resource efficiency
Socio-economics
Animal care