



Pilot farm name: Alila

Pilot farm location: Paltamo, Kainuu, Finland

Name of farmer: Jussi Moilanen

The herd

- **70 cows & 40 heifers**
- **Breeds:** Holstein and Ayrshire
- **Age at first calving:** 26.6 months
- **Milking** two times a day, herringbone parlour (transition to an automatic milking system currently in progress)
- **Milk to dairy:** 610 000 kg
 - 10 000 kg ECM/cow/year
 - Milk fat%: 4.20
 - Milk protein%: 3.42

The farm

- **160 ha** agriculture area
- **130 ha** grassland
- **2-3 grass silage cuts** per year
 - Grass is mixture of timothy, meadow fescue and tall fescue
 - Silage stored in round bales with own machinery
- **Whole crop silage** included in the feeding (dry cows and heifers)
- **Workforce:** 2 family workers

Innovations

- **Efficient grass production and management**
 - Good forage quality
 - Feed samples collected on a regular basis → facilitates correct ration formulation for cows
- Promotion of **animal welfare** seen as a part of **resource efficient milk production**
- **Deep-bedded stalls with sand** contribute to animal welfare
 - Animals are clean and skin lesions have decreased compared to the previous bedding material and stall structures
- **Herding dogs** used for assisting the driving and handling of animals → work flow effective
- Cows **graze** part time during summer and **go out also during winter**
 - Heifers on a traditional biotope through summer – enhanced biodiversity
 - Positive effects on claw health and reproduction
- Farm land **biodiversity** taken into account in many ways
 - Permanent grasslands; natural pastures and meadows; perennial green fallows; protection zones; agroforests and woodland pasture

Themes of interest:

Resource efficiency
Socio-economics
Animal care
Biodiversity