CONTEXT PROFILE





FARMER Linda af Geijersstam -Torslundalamm



INNOVATION

Optimising post-harvest grazing and seminatural grasslands in lamb production



MAIN DOMAIN OF THE INNOVATION Improvement of grassland management



AGROCLIMATIC AREA Atlantic central



CLIMATE Little rainfall



SOIL TYPE Sand

MANAGEMENT Cutting-only



TECHNICAL











FINANCE/INVESTMENT Low

MARKET Local-rural

SOCIAL Part-time farmer



CONTEXT PROFILE SWEDEN

Case Study: SE_10	Agroclimatic Zone								
Item (Key Innovation Elements)	Alpine	Atlantic Central	Atlantic North	Atlantic South	Boreal	Continental North	Continental South	Mediterranean North	Mediterranean South
Mixed grazing (horses, sheep, cattle grazing on the same area at the same time)	+++	++	+	+++	++	+++	+++	+++	+++
Availability of semi-natural and temporary/permanent productive pastures	+++	+++	++	+++	+++	+++	+++	+++	+++
Access to mobile fences and water tanks for frequent rotations between small paddocks	+++	+++	+++	+++	+++	+++	+++	+++	+++



Generic information/not relevant



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Implementation Gaps

• High workload due to frequent rotations

Research Gaps

- Effects of different post-harvest grazing systems (stocking density, animal species, agroclimatic zone as possible variables) on parasite pressure
- Economic assessment of mixed co-grazing systems: which grazing strategy with which kind of species will be economically viable for which types of farms on which types of grasslands (stocking density, animal species, agroclimatic zone as possible variables)

species of animals



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Suggestions to Adapt

• Large and specialized dairy and beef cattle farms can identify their personal solution to implement mixed grazing and post-harvest grazing in an efficient way with multiple

COST-BENEFIT ANALYSIS

INVESTMENT COSTS

Total initial investment costs at start up:

- Initial authorisation costs (e.g. sanitary, veterinary, etc.)
- Initial advisory costs
- Initial buildings and machineries
- Initial certification costs
- Initial working capital (personal qualification, marketing and promotion, etc.)

ON-GOING COSTS

On-going advisory costs	not applicable/not known
On-going certification costs	not applicable/not known
On-going buildings and machinery costs	not applicable/not known
On-going working capital	mid

BENEFITS RELATIVE TO ORIGINAL SYSTEM

• Economic

Reduction in energy consumption (electricity; fuel consumption)

Reduction in input use (fertilizers; pesticides; feed) etc.

Payback period

Product value added

Additional farm income through agroecological/agri-environmental payment schemes

• Environmental

Animal feed self-sufficiency increase

Biodiversity increase

Improved nitrogen cycling

Soil regeneration

Animal health and welfare improvement

• Social

Workload reduction

Engagement of young generation



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low
not applicable/not known
mid

not applicable/not known
mid
mid
mid
not applicable/not known

mid
mid
mid
not applicable/not known
high

none	orlow

Literature

English

- Multifunctionality and diversity of livestock grazing systems for sustainable food systems throughout the world: Are there learning opportunities for Europe? (https://doi.org/10.1111/gfs.12588)
- Research topic with 10 articles on "Increasing Resilience through Multi-Species Intercropping, Agroforestry and Mixed Grazing Crop-Livestock Systems" (https://www.frontiersin.org/research-topics/55973/increasing-resilience-through-multi-species-intercropping-agroforestry-and-mixed-grazing-crop-livestocksystems/articles)
- Potential of legume-based grassland-livestock systems in Europe: a review (<u>https://doi.org/10.1111/gfs.12124</u>)
- Effects of co-grazing dairy heifers with goats on animal performance, dry matter yield, and pasture forage composition (https://doi.org/10.2527/jas.2011-4643)



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