

CONTEXT PROFILE

 FRANCE



FARMER

Styven Thomas



INNOVATION

Sowing grassland with a quad



[Video](#)



MAIN DOMAIN OF THE INNOVATION

Improvement of grassland management



AGROCLIMATIC AREA

Atlantic north



CLIMATE

Very high rainfall



SOIL TYPE

Clay



MANAGEMENT

Pasture Dairy



TECHNICAL

Easy



FINANCE/INVESTMENT

Low



MARKET

Local-rural



SOCIAL

Full-time farmer

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Case Study: FR_03	Agroclimatic Zone								
Item (Key Innovation Elements)	Alpine	Atlantic Central	Atlantic North	Atlantic South	Boreal	Continental North	Continental South	Mediterranean North	Mediterranean South
Moderate slope allowing the combination of quad and the seeder mounted on it without overturning risk	+	+++	+++	+++	+++	+++	+++	+++	+++
Soil properties and climatic conditions favourable to the establishment of vegetation through broadcasts seeding	++	+++	+++	+++	+++	+++	+++	++	+++

+++ Strong transferability
 ++ Slightly limited transferability
 + Very limited transferability
 × Generic information/not relevant

Implementation Gaps

- Calculation of the slope threshold beyond which the combination of quad and seeder represents a risk in term of turning over
- Calculation the success rate of use of broadcast seeding with no-till situations

Research Gaps

- Optimisation of grass seed rates, grass species and quantification of their germination success under dry climate.

Suggestions to Adapt

- Combine it with precision pasture management

COST-BENEFIT ANALYSIS

INVESTMENT COSTS

Total initial investment costs at start up:	not applicable/not known
• Initial authorisation costs (e.g. sanitary, veterinary, etc.)	not applicable/not known
• Initial advisory costs	not applicable/not known
• Initial buildings and machineries	not applicable/not known
• Initial certification costs	not applicable/not known
• Initial working capital (personal qualification, marketing and promotion, etc.)	not applicable/not known

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	not applicable/not known

BENEFITS RELATIVE TO ORIGINAL SYSTEM

◦ Economic

Reduction in energy consumption (electricity; fuel consumption)	not applicable/not known
Reduction in input use (fertilizers; pesticides; feed) etc.	not applicable/not known
Payback period	not applicable/not known
Product value added	not applicable/not known
Additional farm income through agroecological/agri-environmental payment schemes	not applicable/not known

◦ Environmental

Animal feed self-sufficiency increase	not applicable/not known
Biodiversity increase	not applicable/not known
Improved nitrogen cycling	not applicable/not known
Soil regeneration	not applicable/not known
Animal health and welfare improvement	not applicable/not known

◦ Social

Workload reduction	not applicable/not known
Engagement of young generation	not applicable/not known

Literature

English

- <https://doi.org/10.3368/er.27.4.458>