

A learning tool for sustainability at a mixed ecological farm

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Sustainable Farm Systems





Mixed ecological farming

Management characteristics:

- NO quick-acting instruments
- Prevention
- Recycling
- Chain Management







Management Control

Negotiation (values/norms)
Heuristic Problem Solving (learning)

 Unstructured → Structured

Operational Control (habituation)









Product Flow Model (template)





Product Flow Model (example)







Sustainability Mapping









Sustainability Function Deployment

property goals-operat		operations[ley growing]					
property goals	factor (1-5)						
sand content grass/clover ratio dry matter content	importance '	seeu r 12	soil tillage	sowing	growing	mowing	loading
structure value	4		3		3	9	9
<u></u>	3			9	3		
	5	3				9	
determination of critical operations	2	3				9	







Sustainability Management Handbook





Conclusions

Learning tool

- Continuous redesign process
- Translation: sustainability \rightarrow daily management
- handbook
 - updated
 - tailored

Sustainability emerges with the grip a farmer can get on product properties by monitoring and assurance throughout the complete production process