Feeding self-sufficiency levels in dairy cow and goat farms in Western France

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Current situation and ways of improvement

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Definitions and methodology

- Feeding self-sufficiency \rightarrow a major goal for dairy farming
 - To deal with the ups and downs of input costs & climatic hazards
 - To improve the traceability of feed
 - To reduce the dependence of imported proteins
- Feeding self-sufficiency = balance between the herd requirements and the resources that can be grown on farm.
- 3 indicators: mass, energy and protein self-sufficiencies



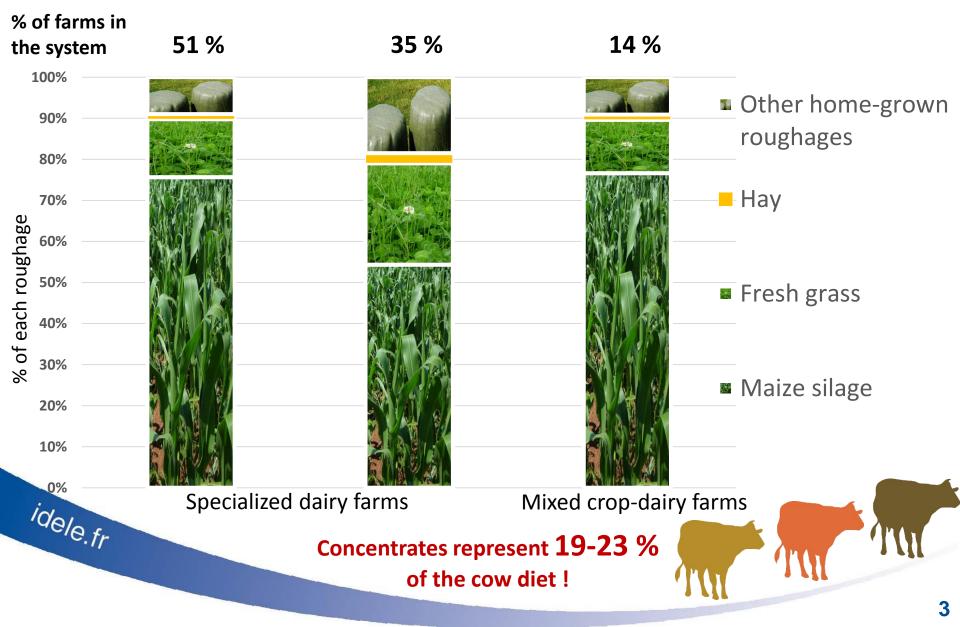




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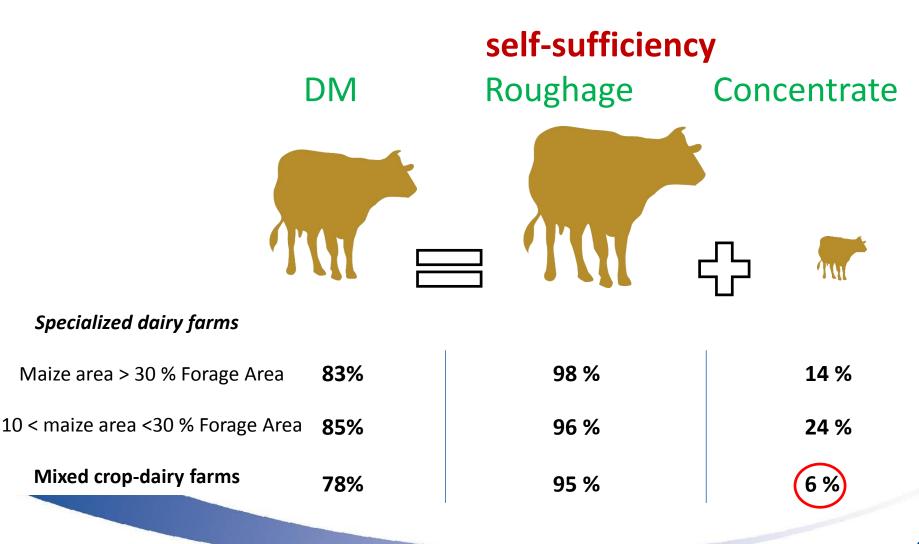


Feeding systems in cows farms



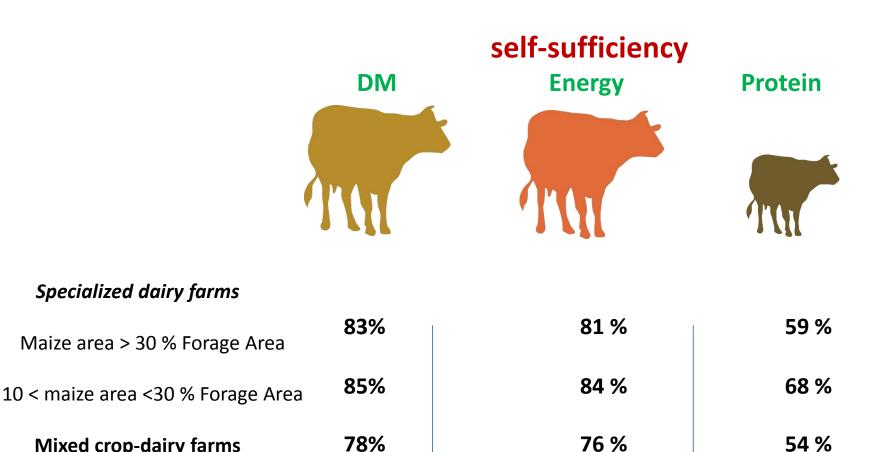


Feeding self-sufficiency levels in dairy cows farms: current situation





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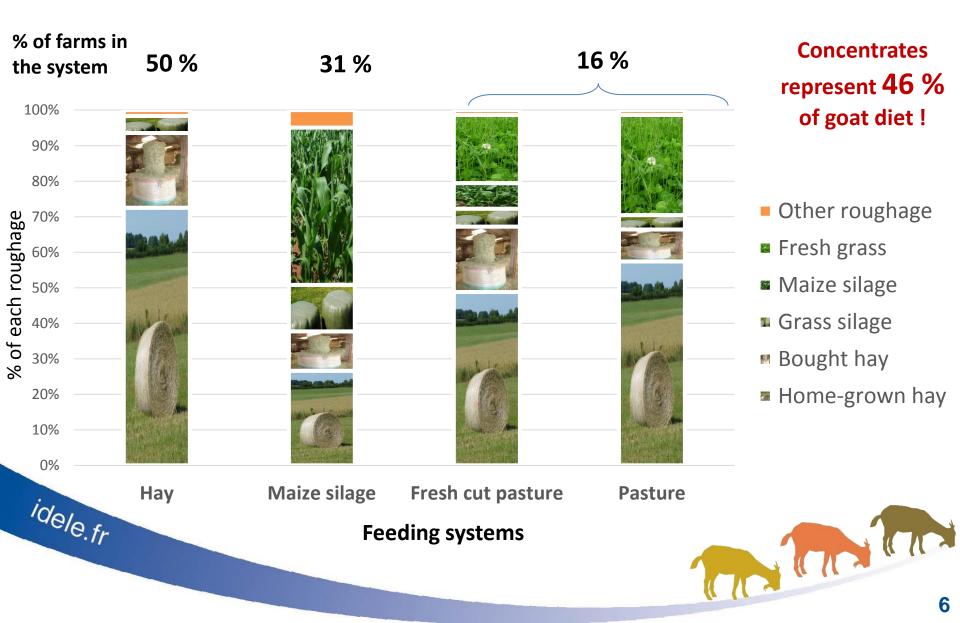


Mixed crop-dairy farms

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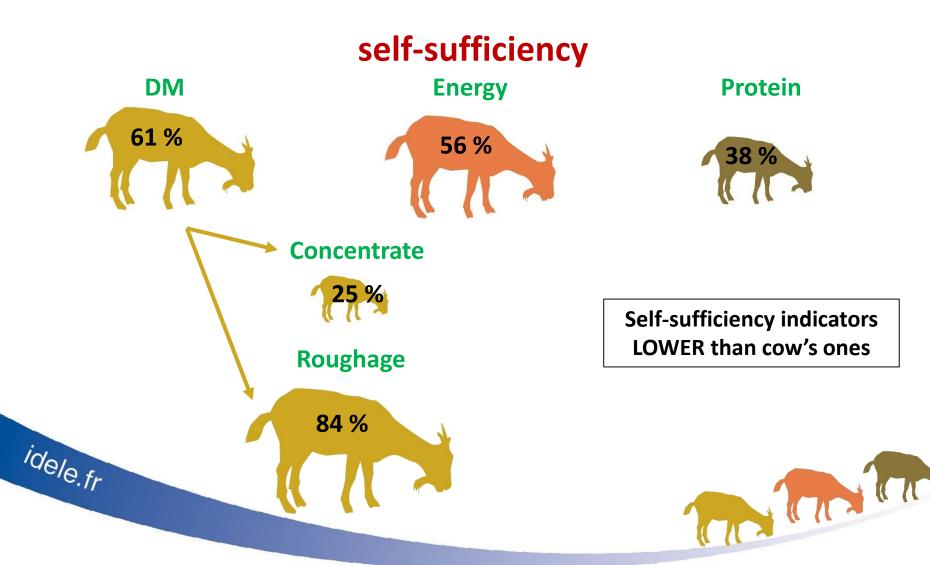


Feeding systems in goat farms





Feeding self-sufficiency levels in dairy goats farms: current situation



Technical ways of improvement

Better consistency between areas and herd size

Herd management

- larger use of grass in the diet
- feed efficiency
- nature of feed (protein crops, rapeseed meal, by-products)

Crop management

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- grassland yields and quality of forages (more legumes, multisward)
- new cultivated feed
- well monitored crop-rotation.









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The experiment goat network REDCap:

a network of goat breeders, engineers, teachers and researchers to develop self-sufficiency

This organization gives a wide place to:

- experiment in experimental unit (Inra Patuchev) and in farms
- exchange to support the emergence of innovative research issues
- spread of new knowledge on the topics of self-sufficiency and grass use.











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Financial supports:





Thank you ! **Contact: jeremie.jost@idele.fr**



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