

M.Sc. Integrated Natural Resource Management
Module "Ecosystems of Agricultural Landscapes and Sustainable Land Use:
Livestock Systems"
Winter Semester 2016/17

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04 Livestock Farming Systems: Lecture Review

- 04-1 Intensive dairy systems in Western Europe
- Technical intensification
 - Biological intensification
 - Commercial intensification
 - Global context – The great milk madness
- 04-2 Extensive pastoral production systems
- The world's drylands
 - Eco-climatic zones
 - Tropical livestock production systems
 - Economic role of pastoralism
- 04-3 Case study pastoralism: The Rendille of Northern Kenya
- 04-4 Post-industrial organic livestock farming
- Public concerns about industrial livestock farming
 - Key elements of organic livestock farming
 - Integrated organic livestock farming

Study questions

1. Compare multi-species systems to animal mono-cultures.
2. Compare the world-wide distribution of domestic ruminants to the regional feed bases.
3. The conflict between maximising productivity and sustainable resource use in livestock production
4. What are the effects of different forms of ownership of land on livestock farming systems?
5. What are the technical characteristics of a modern, intensive dairy production?
6. What are the key elements of pastoral livestock production?
7. What are the key elements of organic livestock farming?
8. Give an example of an integrated livestock farming system