

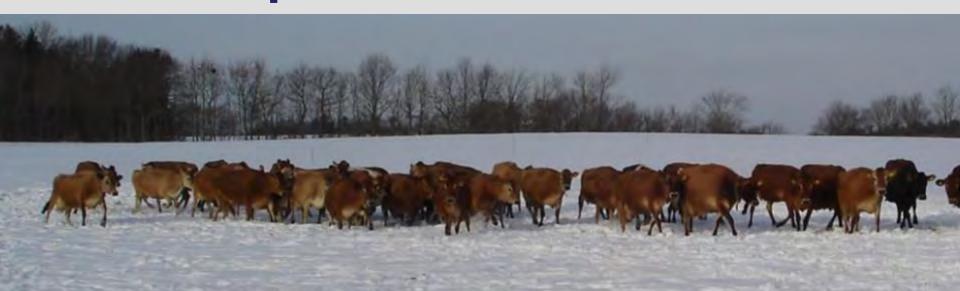
Improving cow health and welfare under organic principles

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This presentation



Organic principles call for a unique view on animal health and welfare How can we meet this in practice? examples from SOLID ...







PRINCIPLES .. ORGANIC AGRICULTURE

Principle of HEALTH

Organic Agriculture should sustain and enhance the health of soil, plant, animal, human and planet as one and indivisible.

Principle of ECOLOGY

Organic Agriculture should be based on living ecological systems and cycles, work with them, emulate them and help sustain them.

Principle of FAIRNESS

Drganic Agriculture should build on relationships that ensure fairness with regard to the common environment and life opportunities.

Principle of

CARE

Organic Agriculture should be managed in a precautionary and responsible manner to protect the health and well-being of current and future generations and the environment.







Think of health as 'resilience'

- Robustness
- 'Margin' / buffer capacity: react and withstand shocks





Allow animals to meet natural needs

Intervene when necessary

The alliance between humans and animals The ethical contract

Remember: 'livestock' are animals ...







Living sentient beings ...

Examples of SOLID studies with focus on supporting animal health and welfare

- Herbs
- Cow-calf suckling systems
- Farmer Field Labsdepending on focus ...



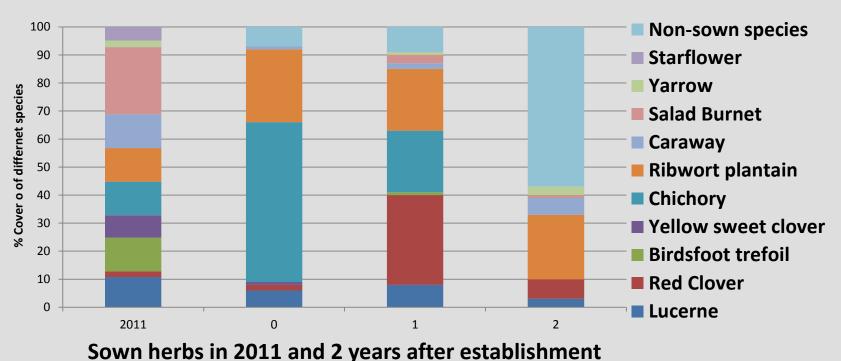
Herbs in the grass field

- 1. No documented effect on health and welfare ... too many other factors influence!
- 2. Farmers experience: cows favour herbs in pastures
- 3. Multiple reasons and motivations; very much 'we like the idea and can see that animals like it'.
- 4. Relevant practical research issues raised:
 - How to manage and maintain herbs on longterm grass fields?
 - What is the right cutting / harvesting time, especially for hay?



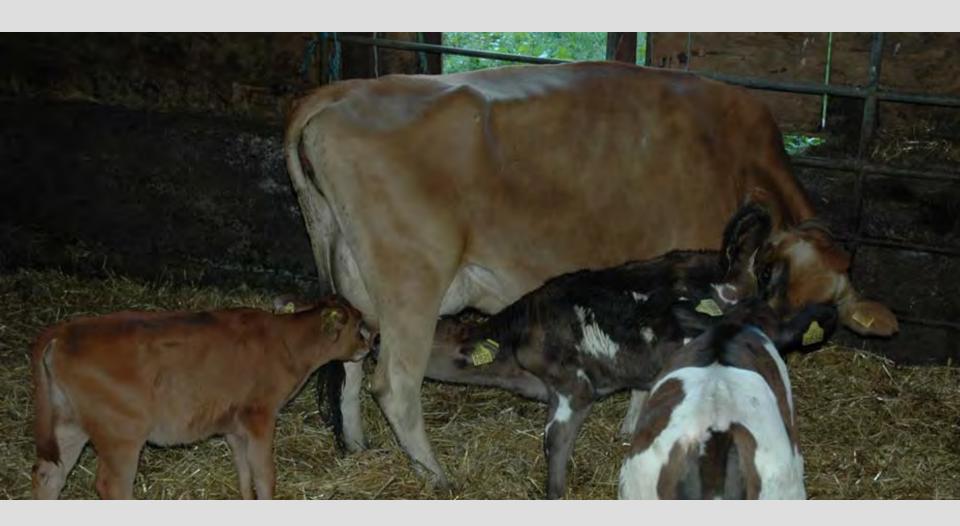
Example: Pure herb field: Plant cover analysis on the year of sowing and the two consecutive years

Plant cover analysis pure herb field no 1





Cow-calf-suckling - UK & Dk



Cow-calf-suckling - UK & Dk

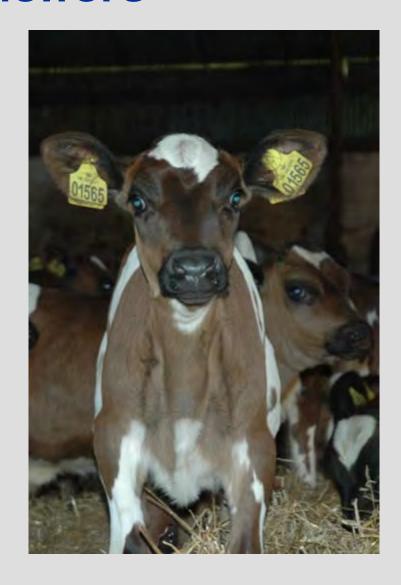


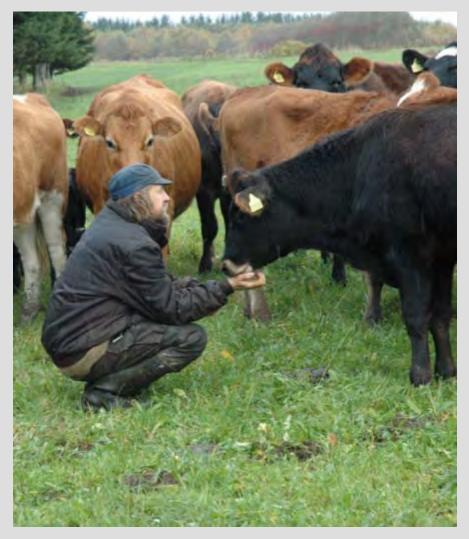
- 1. Observational study:
 - UK: First year with suckling cow-calves on the farm
 - Dk: Twenty first year well experienced and adjusted to farm conditions several times; own mother and some with 'aunt'
- 2. Bonding and de-bonding the great challenges; a number of practical strategies identified
- 3. Requires commitment and active, conscious experience building
- 4. Can work incredibly well in the right set-up and with good care giving.



Healthy lively calves & not 'rodeo heifers'











The big challenges: bonding and de-bonding









- UK experience: 15 farmers in a group:
 - General: exchange and generation of knowledge and experience for reducing antibiotic use
 - Four farmers in trial of mint oil liniement results discussed in the group.

(DK: 12 years ago: 'Stable schools' – worked incredibly well when farmers commit themselves)



Farmers taking responsibility for herd health development—stable schools in research and advisory activities as a tool for dairy health and welfare planning in Europe

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Impact of animal health and welfare planning on medicine use, herd health and production in European organic dairy farms

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Complex integrated animal farming systems requires complex knowledge





The power and potential of farmer groups for exchange & development

Experience phasing out antibiotics:

PETIT IN PROJUMOS SISSING

- Basic!
- Air, day light, space to natural movements,
- hygiene,
- stressfree surroundings, care, consequent intervention when needed

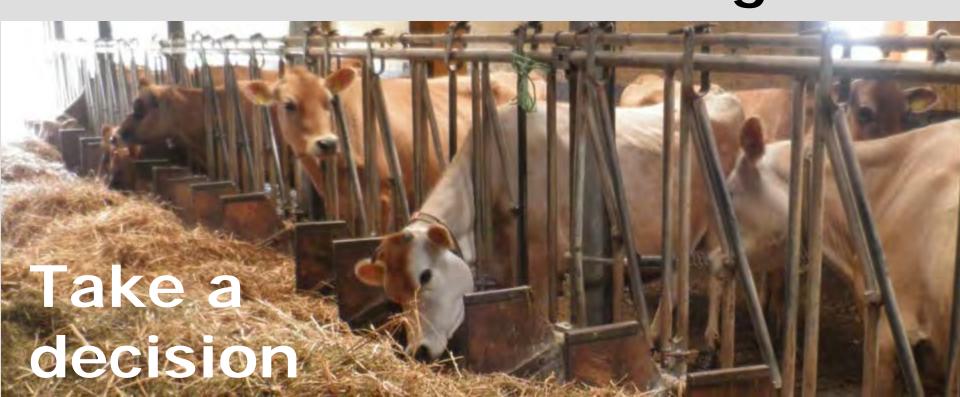


Knowledge and generation and exchange

'I want this'



Understanding of animal needs and signals



Support animal health and welfare ...



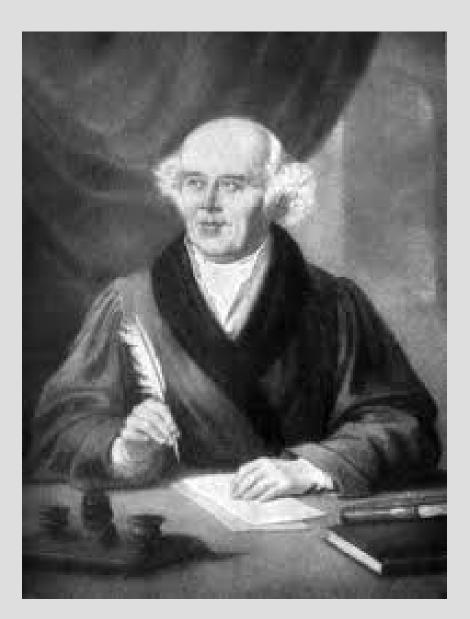
... and: when it comes to disease:

ACT!

'Responsible action'
... is not always
equivalent to 'veterinary
treatment'







'First remove all obstacles to cure ...'

Support the animal to regain health and balance





Low-input: overcoming the high-input elements of European dairy production



Reliance on imported feed

... and fossil fuels





''... few 'designed breeds'

AND: Reliance on antibiotics





About Resistant Bacteria

WSJ
HICAGO
HICAGO
Meat Companies Going Antibiotics-Free
Under Pressure From Consumers

Consumer demand for meat grown without antibiotics is having a market effect beyond government regulations. WSJ's David Resmodel

Food Producers Increasingly Offer Chicken, Beef and Pork Raised Without Antibiotics, Respond

A clear and relevant focus & goal for low-input and organic dairying

Visions for the future...

- 'The need for a new agricultural paradigm'
- 'Sustainability requires a new definition of the terms productivity and growth'

