



How digitization improves our ability to protect against disease, advance animal well-being and support livestock production

Deep dive into dairy farming and how digital tools are used to improve animal care and farm management



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THE PRODUCTIVITY IMPERATIVE

CONSTRAINED NATURAL RESOURCES & EMERGING DISEASE LIMIT PRODUCTION

CHALLENGES



Finite arable land



Drought



Climate change



Disease

OPPORTUNITIES

- Long-term pressure on prices will drive profitability for producers
- Sustained rewards for companies that can help food systems address the productivity imperative

Source: International Soil Reference and Information Centre, Oregon State University, Resource Conservation and Food Security; How to Feed the World 2050, FAO; IPCC Fourth Assessment Report; CGD Global Warming and Agriculture: New Country Estimates Show Developing Countries Face Declines in Agriculture Productivity; The Environmental Food Crisis, UNEP; Livestock's Long Shadow, FAO



Bundesministerium
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Health  for Animals
global animal medicines association

BfT Bundesverband für
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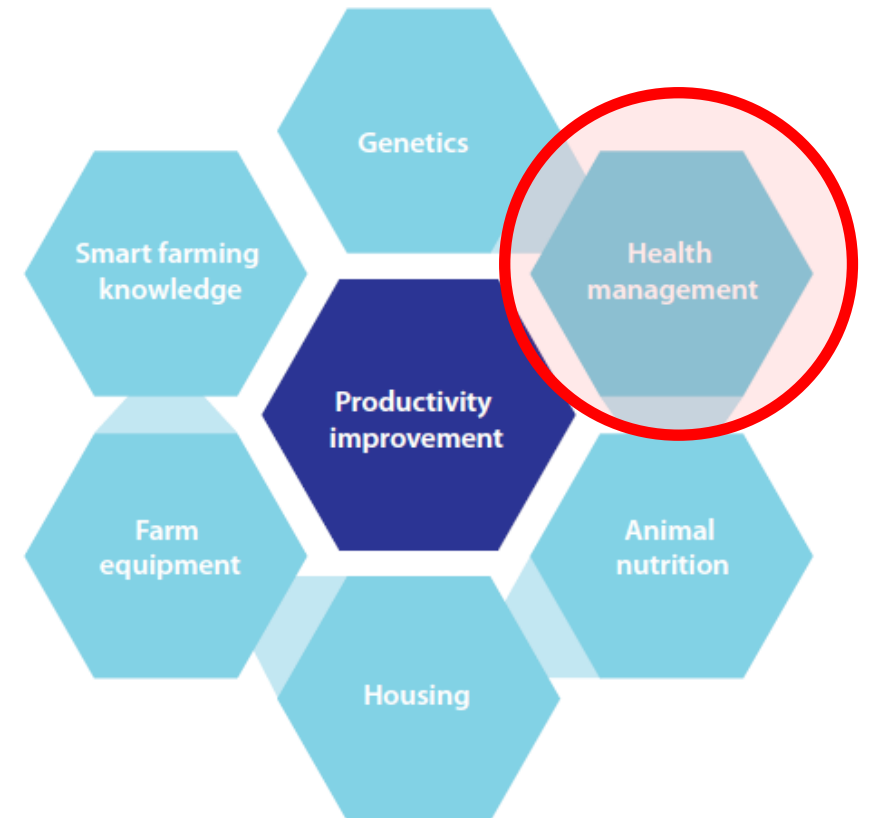
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Precision Livestock Farming – Importance for dairy producers



links to



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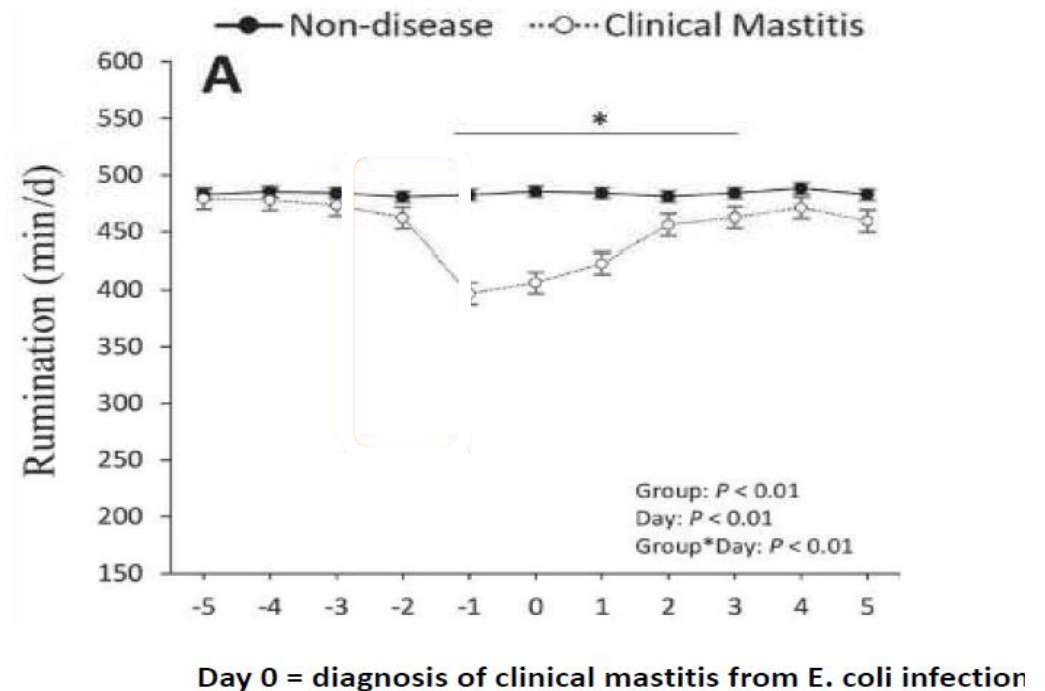
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Precision livestock farming and health management

Real-time systems improve animal health by detecting deviation in e.g. rumination behavior

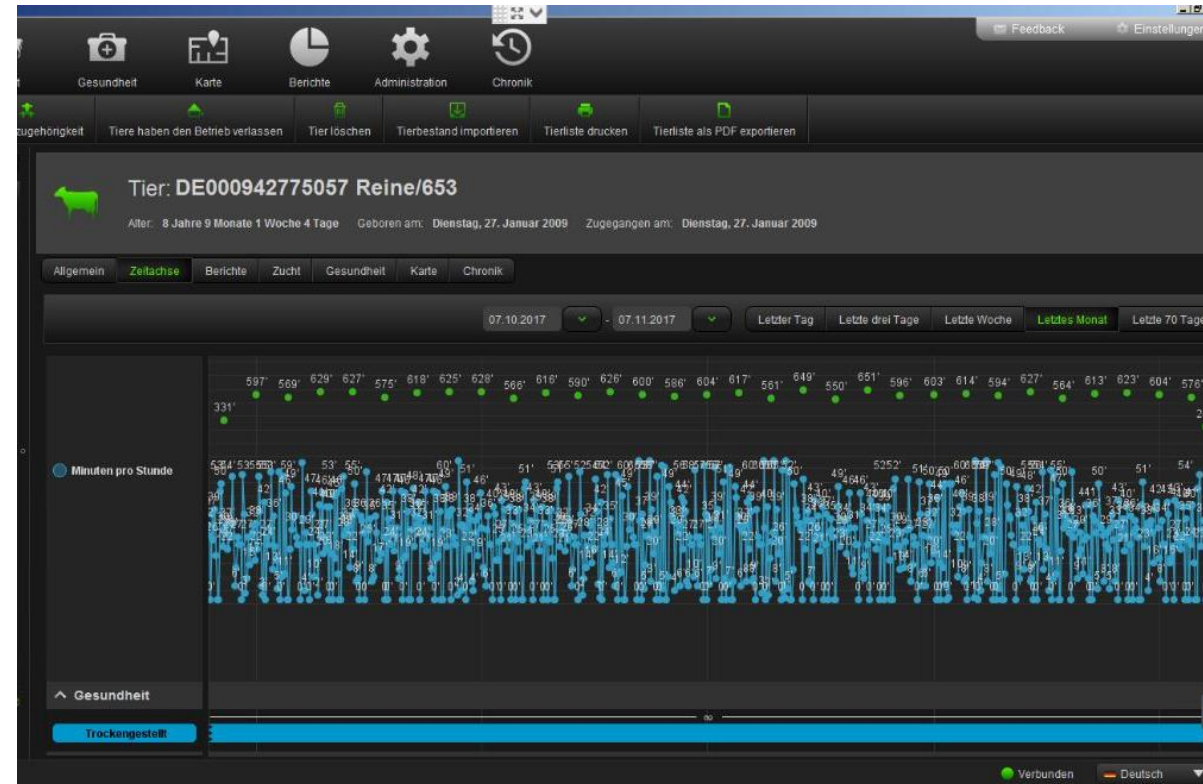
- very early detection: two days before clinical signs
- Change of treatment – earlier start – better chance for success



Precision livestock farming and health management

Real-time systems improve animal health by offering necessary information on individual animal and herd level

- Veterinarians are able to work as herd health manager
- Healthy and long living animals are holistic approach



Precision livestock farming and health management

Summary

1. Precision livestock farming tools improve health management
2. Reliable rumination monitoring offers new possibilities in detecting diseases in early stage
3. Holistic veterinary approach leads to healthier herds, more animal wellbeing and different treatment

