


NorFor
Nordic Feed Evaluation System



NorFor

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Johannes Frandsen
Danish Cattle Federation

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Nordic Feed Evaluation System

NorFor

- New dynamic feed evaluation system, where the feed value (energy, AAT and PBV) is dependent on the ration and level of production

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What makes NorFor Plan so special?

NorFor makes use of the latest knowledge in the following areas:

- Nutritional composition of the feed
- Degradable and digestive processes of the feed
- Mutual effects of the nutrients
- Microbial synthesis in the rumen and large intestine
- Utilisation of nutrients
- Assessment of feed intake and feed structure/chewing time

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NorFor-Plan

General facts about NorFor Plan

- Developed in Norway from the AAT/PBV system
- Interactions between animal and feeds, also nutrient based and non-linear relations
- Digestibility depends on feed intake and dietary composition (rapidly degraded CHO/NDF)
- Four compartments:
 - Rumen
 - Small intestine
 - Large intestine
 - Intermediary metabolism

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NorFor-Plan

The model calculates

- Feed digestibility at actual feeding level
- AATp
- PBVp
- Net energy
- Starch to the small intestine
- Nitrogen in faeces, urine and milk
- Predicted milk and protein production
- Predicted feed intake

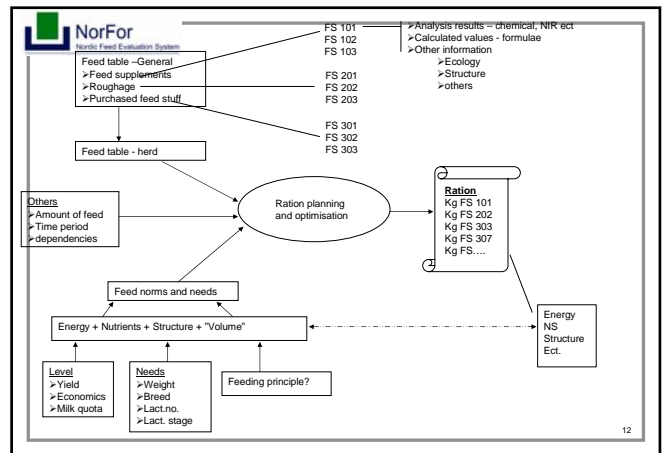
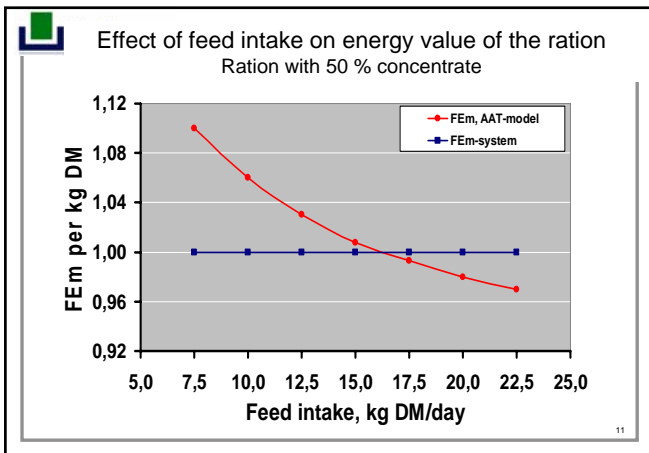
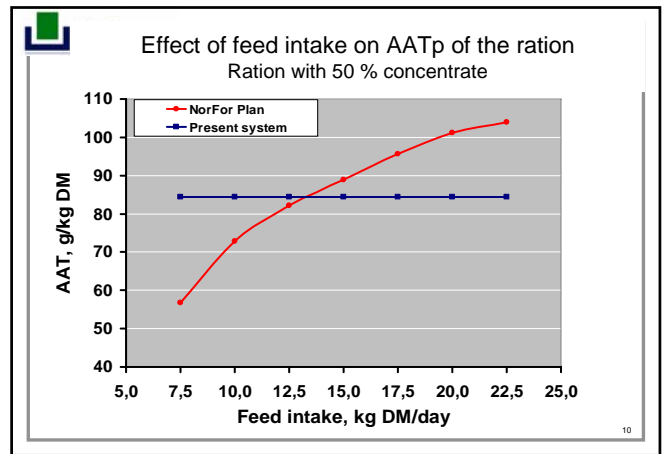
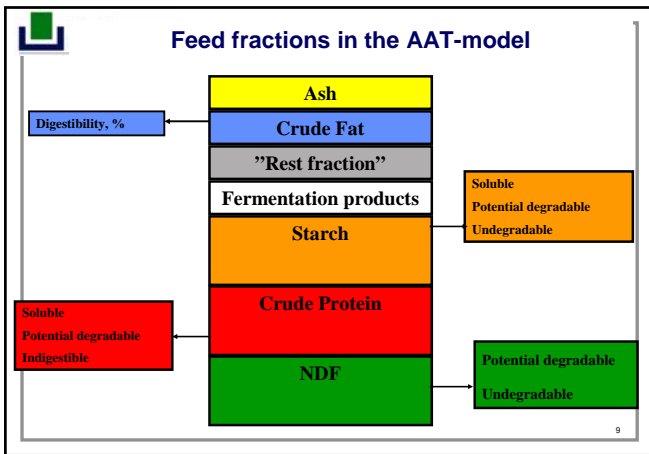
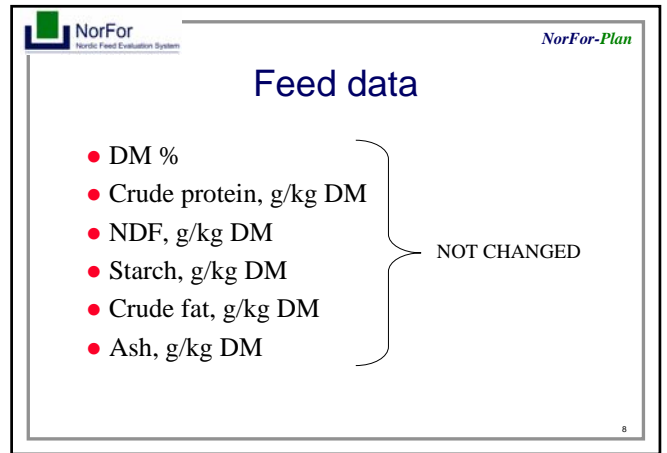
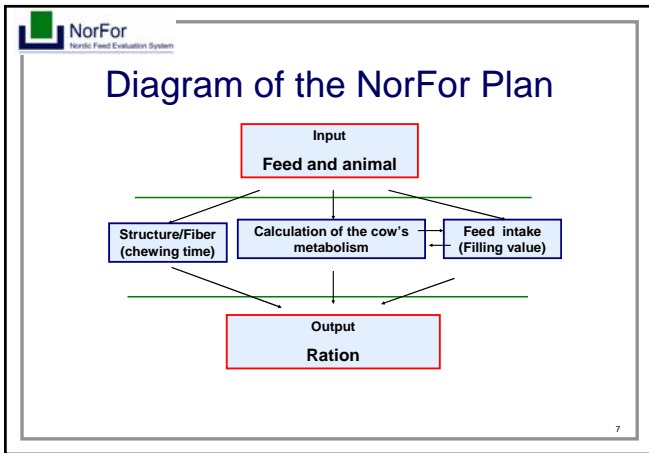
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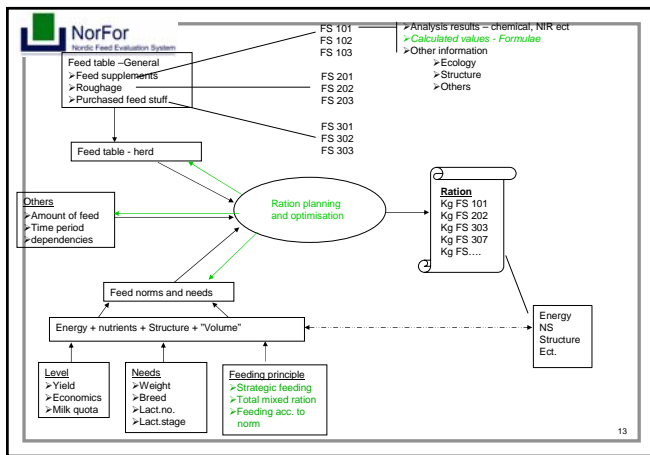
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Input - Animal data

- Body weight
- Milk yield
- Milk composition (Fat, Protein and Lactose)
- Week of lactation

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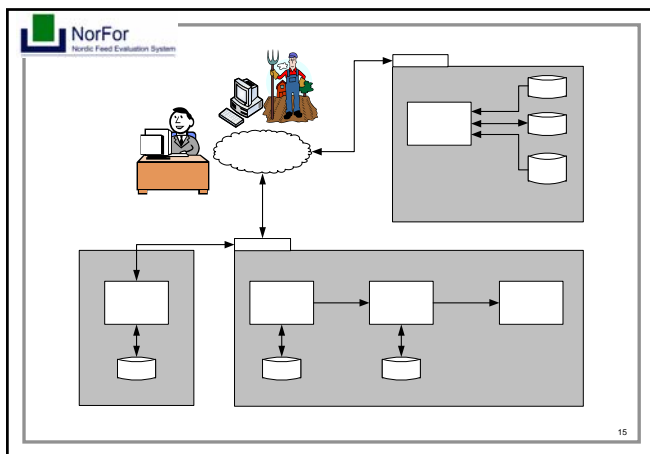


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1. Technical Solution

- Development of common
 - Collection of feed analyses
 - Feed table
 - Ration planning
- Development of national clients
 - Denmark
 - Norway
 - Sweden

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Conclusions

- One and the same system in all NorFor countries!
- NorFor-Plan will replace our present systems
- NorFor-Evaluation, a new tool for check-up rations
- Interactions between feeds and the animal will be considered in the new system
- NorFor system is based on today's knowledge from Nordic and international research
- Rational tools will help consultants improve both efficiency and economy in the dairy production

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