Feed intake – state of art

Jan Lassen

VIKING
Drift & DNA – i forening

Activities

- FUNC – Feed Utilisation in Nordic Cattle

- REMRUM – Reduced Methane from Rumen

- Global dry matter initiative

- REFFICO – Robust and Efficient dairy cows

- German collaboration

- Efficient Dairy Genome Project

- GenTORE

Genomic reliability - gDMI

Data	Genomic reliability
Foreign data	0.06
Own data	0.11
Own + foreign	0.19

Other outcome

- Tricky trait biologically

- Efficiency expressions are problematic

- No super indicator so far

- Interest in sharing data and true collaboration

- We have a Nordic stand alone breed challenge

REFFICO

- 4 year project from 2015 to 2019 (will be expanded 1 year)

- Total budget of 4 million Euros

- Overall aim:

- Implement an index for feed efficiency in Nordic dairy cattle breeds

Status

- Intensive work on collaborating on international data

- Methane data from ~ 10000 Holstein cows

- Blood metabolome data from research farm (historic data)

- Weight, activity, rumen activity, MIR from commercial farms

Efficient Dairy Genome Project

◉ Canadian initiativ

◉ Collection of data world wide (HOL)

◉ We are part of project
  - Because we have good data
  - Because we are active

◉ CAN, US, AUS, CH, DNK, GB, (NL)

◉ Dialogue with D, SF, S, I, F, PL, E

GOAL: an index

◉ +10000 genotyped cows with data (Own=759)

◉ Free access to data if you deliver

◉ Access February 2017

◉ Priority 1, 2 and 3 to make an index

◉ Based on data we do not already select for

◉ Generate more data as we come along

Intentions for this project

- Contribute with genotyped HOL data on feed intake, methane and MIR

- Contribute with man power on specific work tasks

- Have exchange of personel

- Several visits with partners

Phone meeting 17th of January

GenTORE

- EU project will start summer 2017

- 21 partners

- Selection for resilience and efficiency

- Focus on genomic multibreed models

- Outcome to be use for RDC and Jersey breed

Other countries

- Index in NL, US, AUS.

- All countries are in Canadian project…

- From Nordic/NAV/Viking side we want to do it right

Sum up

- Collaboration

- Implementation

- Holstein ☺ - RDC/JER ☺