Program for the 9th Nordic Feed Science Conference  
June 12-13 2018,  
Veterinärvetenskapliga Centrum, Ulvs väg 26, Uppsala

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<th>Time</th>
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<tr>
<td>Tuesday 10:00-12:00</td>
<td>Registration and poster arrangement</td>
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<tr>
<td>11-13</td>
<td>Lunch can be purchased at University restaurants</td>
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<td>13:00-13:15</td>
<td>Opening of conference</td>
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Session I 13:15-14:30  
Ruminant feed technology I  

*Moderator:*  
*M. Larsen* (35 min)  
Density of pelleted feeds to dairy cows and passage to the small intestine  
*M. Weisbjerg* (35 min)  
Physical treatment of grass and clover before ensiling  

14:30  
Coffee

Session II 15:00-16:00  
Ruminant feed technology II  

*Moderator:*  
*M. Gierus* (30 min)  
Contribution of forages for the nutrient use efficiency in ruminant nutrition  
*F. Petters, M. Lindberg & C. Kronqvist* (30 min)  
Feed intake, milk production and dry matter digestibility in cows fed TMR or compact TMR

Session III 16:00-17:00  
Laboratory feed processing facilities in the Nordic countries  

*Moderator:*  
*S. Larsson* (20 min)  
What raw material processing technology is available at the BTC-Biomass Technology Centre, Umeå?  
*D. Miladinovic* (20 min)  
What type of feed processing can be done at Fortek, Ås?  
*A. Vidakovic* (20 min)  
What will the Feed Technology Laboratory in Uppsala be able to do in the near future?  

17:00-18:30  
Poster presentations and drinks

18:30-?  
Dinner and entertainments
Wednesday
Session IV 08:30-10:00  Ruminant feed technology III
  
  Moderator: ...
  
  M. Franco, T. Jalava, T. Stefanski, K. Kuoppala, P. Timonen, E. Winquist, M. Stika-aho & M. Rinne (30 min)
  Grass silage for biorefinery - Effect of additives on silage quality and liquid solid separation of timothy and red clover silages
  
  O. Kautto, M. Franco, T. Stefanski, P. Mäntysaari, K. Kuoppala & M. Rinne (30 min)
  Grass silage for biorefinery - Dairy cow responses to diets based on solid fraction of grass silage
  
  S.A. Adler, A. Johansen, A.K. Ingvoldstad, R. Eltun & E.J. Gjerlaug-Enger (30 min)
  Forages – a local protein source for growing pigs

10:00  Coffee

Session V 10:30-12:00  Protein
  
  Moderator: ...
  
  P. Udén (30 min)
  Techniques to measure ruminal protein degradation
  
  P. Huhtanen, S. Ahvenjärvi, G. Broderick (30 min)
  Microbial protein and rumen undegraded protein are not additive
  
  S. Ö. Gülzari (30 min)
  In vivo nutrient digestibility in sheep of a protein fraction extracted from the macroalgae Saccharina latissimi

12:00-13:00  Lunch (not included in conference fee)

Session VI 13:00-15:00  Ruminant nutrition
  
  Moderator: ...
  
  T. Stefanski (30 min)
  In vitro ruminal degradation rate and methane production of different products of microcrystalline cellulose (MCC)
  
  R. Danielsson, M. Eklund, H. Gonda, J. Karlsson, C. Kronqvist & M. Åkerlind (30 min)
  Forage intake capacity, passage rate and methane production in dairy cows fed different levels of concentrates
  
  K. Holtenius (30 min)
  Feed intake in dairy cows – impact of milk yield, breed and parity
  
  S. Ferneborg & E. Prestløkken (30 min)
  Dynamic feeding of dairy cows in automatic milking systems

15:00  End of conference
## Posters

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<td>M. Larsen &amp; T.N. Jakobsen</td>
<td>Technical note: Particle size distribution analysis using sieving with sieving aids</td>
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<td>M. Pesonen and A. Huuskonen</td>
<td>Feeding rye grain to growing dairy bulls</td>
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<td>P. Fant, M. Ramin, S. Jaakkola &amp; P. Huhtanen</td>
<td>Effect of replacing barley grain with oat grain in the diet of dairy cows on methane production in vitro</td>
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<td>M. Johansson, C. Nyemad &amp; J. Karlsson</td>
<td>Concentrate based on cereals or sugar beet pulp in total mixed rations for Swedish dairy cows -effects on milk yield, feed consumption and resource utilization</td>
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<td>R. Danielsson, J. Dahlberg, M. Ramin, T. Roslin &amp; S. Agenäs</td>
<td>Effect of tetracycline and penicillin on enteric methane production and total gas production from faeces from dairy cows</td>
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<td>J. Gorp</td>
<td>The new Gas Endeavour system from Bioprocess Control AB</td>
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<td>M. Franco, T. Jalava, M. Kahala, E. Järvenpää, M. Lehto &amp; M. Rinne</td>
<td>Additives can improve aerobic stability of potato by-product</td>
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<td>M. Larsen &amp; B.M.L. Raun</td>
<td>Effect of compound composition on water stability of pellets</td>
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<td>T. Stefański</td>
<td>Grass silage for biorefinery – Separation efficiency and aerobic stability of silage, solid and liquid fractions</td>
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<td>H. Yang, B.-O. Rustas &amp; T. Eriksson</td>
<td>Gas production in vitro from extruded grass silage</td>
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<td>M. Lindberg, U. Robertsson &amp; C. Kronqvist</td>
<td>Milk production, feed sorting and social interactions in the feeding area in cows fed TMR or compact TMR</td>
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<td>B.-O. Rustas, T. Eriksson &amp; H.G. Qutab Ud Din</td>
<td>Rumen pH-patterns of dairy cows in tie-stall and loose housing system</td>
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<td>N.N. Jonsson</td>
<td>Utilization of Maxammon grain treatment to reduce ruminal acidosis and increase performance in finishing beef cattle</td>
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<td>P. Yu</td>
<td>New Co-Products from Bio-Processing as a Potential New Feed Source for Registration in CFIA</td>
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<td>R. Spörndly</td>
<td>Dry matter losses at ensiling in different silo constructions</td>
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<td>M. Knicky, K.M. Kasmaei, B.-O., Rustas, A. Vidakovic, P. Uden, R. Nylund &amp; H. Gonda</td>
<td>Preservation of black soldier fly larvae (BSFL) by anaerobic fermentation. BSFL microbiology</td>
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