

## Program and presenter instructions for the 12<sup>th</sup> Nordic Feed Science Conference, June 18-19, 2024

<b>Tuesday</b>	<b>11:00-13:00</b>	<p><b>Lunch</b> (not included in conference fee)</p> <p>University Restaurant or elsewhere – not included in conference fee</p> <p><b>Registration and poster arrangement:</b> Room: VHC entrance, Campus Ultuna bus stop</p>
	<b>13:00</b>	<p><b>Opening of conference,</b> Room: VHC – Särimer <i>P. Udén</i></p>
<b>Session I</b>	<b>13:00-14:40</b>	<p><b>Forage plants</b> <i>Moderator: M. Rinne</i> <i>K.-H. Südekum</i> Utilizing forage crops more resistant to extreme weathers and an overall warmer climate – nutritional perspectives for the Northern Europe ruminant livestock sector (40 min) <i>D. Parsons, M. Lindberg, J. Oliveira, V. Picasso &amp; M. Halling</i> Resilience of forages to drought in Nordic countries (40 min) <i>V. Picasso &amp; K. Olugbenle</i> Forage nutritive value of dual-use populations of Kernza Intermediate wheatgrass (20 min)</p>
	<b>14:40</b>	<b>Coffee</b>
<b>Session II</b>	<b>15:10-17:00</b>	<p><b>Methane emission</b> <i>Moderator: J. Sveinbjörnsson</i> <i>J. Vattulainen, A.R. Bayat, T. Stefanski, M. Rinne &amp; I. Tapio</i> Effects of two novel feed additives on enteric methane production of Nordic Red dairy cows (25 min) <i>J. Karlsson, C. Alvarez, M. Åkerlind &amp; N. I. Nielsen</i> The effect of the methane inhibitors nitrate and 3-NOP on enteric methane in dairy cow (25 min) <i>G. Giagnoni, M. Maigaard, W. Wang, M. Johansen, P. Lund, M.R. Weisbjerg</i> Effect of dairy cows' yield index on the effect of enteric methane reducing dietary treatments (25 min) <i>P. Huhtanen</i> Thirty years of intensive research to reduce methane emissions – what has been achieved? (30 min)</p>
	<b>17:00-18:45</b>	<b>Drinks and guided poster tours</b>
	<b>19:00</b>	<b>Dinner</b>

<b>Wednesday</b>		
<b>Session III</b>	<b>08:30-09:40</b>	<p><b>Ruminant nutrition</b> <i>Moderator: T. Eriksson</i> <i>É. Charbonneau, S. Binggeli, G. Jégo, M.-N. Thivierge, S. Delmotte &amp; V. Ouellet</i> Climate adaptation of dairy farms in northern climate: a Canadian perspective (45 min) <i>J. Sveinbjörnsson</i> When optimization goals for forage harvest in a forage dominant feeding system are not achieved – consequences and preventive measures (25 min)</p>
	<b>09:40</b>	<b>Coffee</b>
<b>Session IV</b>	<b>10:10-11:40</b>	<p><b>Conservation</b> <i>Moderator: E. Prestløkken</i> <i>A. Milimonka, B. Hilgers, C. Schmidt &amp; Y. Sun</i> Effect of different additives and harvesting date on fermentation characteristics of maize silage (30 min) <i>M. Franco, N. Ayanfe, A. Okkonen, A. Ellä &amp; M. Rinne</i> Field survey on the silage quality of Finnish farms (30 min) <i>N. Ayanfe, T. Stefański, L. Soares, G. Viana, H. Högel, M. Franco &amp; M. Rinne</i> Effects of cultivars and additives on preservation quality and antinutritional factors of crimped ensiled faba bean seeds (30 min)</p>
	<b>11:40-13:00</b>	<b>Lunch</b> (included in conference fee)
<b>Session V</b>	<b>13:00-14:30</b>	<p><b>Miscellaneous</b> <i>Moderator: P. Udén</i> <i>M.R. Weisbjerg &amp; N.P. Hansen</i> Rate of NDF degradation from static measures (25 min) <i>N. B. Kristensen</i> Residual weight loss of grass and grass-clover silages dried at 103°C after pre-drying at 60°C (25 min) <i>G. Rundgren</i> The use of feed in the Swedish livestock system (40 min)</p>
	<b>14:30-</b>	<b>Coffee and end of conference</b>

## List of posters

Authors	Title
M. Åkerlind, A.H. Gustafsson, C. Lindahl & M. Karlsson	Effect of rapeseed products in diets and iodine supply to dairy cows on iodine concentration in milk – a field study in ten Swedish dairy herds
M. Åkerlind, I. Hansen, L. Stensson, T. Lundborg & C. Kronqvist	Effect of molybdenum in farm-grown feed and copper supply to dairy cows on copper concentration in milk, urine, faeces, hair and liver – a field study in 10 dairy herds
D.D. Miladinovic, C. Salas-Bringas, E.J. Mbuto, S. Pashupati, & O.I. Lekang	Fish meal replacement with torula yeast ( <i>Cyberlindnera jadinii</i> ) and enzymatic treatment of the aquatic feed model can affect the flow resistance in the pelleting die and alter physical properties of the pellets
M. Knicky & P. Melin	Vacuum storage of moist grain
S. Ali, B.O. Rustas & C. Kronqvist	Effects of silage particle size reduction on feed total tract retention time and magnesium absorption in dairy cows
K. V. Weiby, M. Eknæs, A. Schwarm, H. Steinshamn, K. A. Beauchemin, P. Lund, I. Schei & I. Dønnem	Milk and methane production from dairy cows fed grass silage of different grassland species and harvest frequencies
B.O. Rustas, H. Thelin & A. Kiessling	Effect of particle size reduction by extrusion on intake and digestion of reed silage in dairy heifers
M. Grøseth, L. Karlsson, H. Steinshamn, M. Johansen, A. Kidane & E. Prestløkken	Effect of Restrictedly Fermented Grass Silage on Rumen Metabolism and Nitrogen Utilisation
N. Ayanfe, T. Stefański, T. Jalava & M. Rinne	Grass for biorefinery: effect of additive treatment on fermentation quality of ensiled intact grass and pulp
I. Eisner, S. Ohl & K.L. Witt	Examining the effect of silage inoculants containing only homo-fermentative or a combination of homo- and hetero-fermentative strains on fermentation of grass ensiled immediately after cutting or wilted for one day and rewetted by rain or one day wilted, rewetted by rain and wilted another day
J. Vattulainen, I. Tapio, N. Ayanfe, M. Rinne & A.R. Bayat	3-NOP reduces methane emissions more when used in total mixed ration than in separate feeding
J. Vattulainen, S. Kajava, M. Heikkinen, M. Rinne & A. Sairanen	The effect of pelleted concentrate containing 3-NOP on methane emissions of dairy cows using separate vs. total mixed ration feeding
J. Kristjánsson, J. Sveinbjörnsson & B.Ó. Óðinsdóttir	Body condition score of Icelandic dairy cows
J. Kristjánsson, J. Sveinbjörnsson, G. Gísladóttir, P. Sveinsson & J. Gísladóttir	Methane emissions in Icelandic dairy herds. Improved prediction of methane by utilizing available farm management data

Y. Shrestha, R. Danielsson, B-O. Rustas, S. Hägglund, J-F. Valarcher, T. Eriksson, M. Åkerlind & H. Gonda	Ruminal pH data analysis in lactating dairy cows fed with a SARA-inducing diet
A. Kidane, M. Grøseth, L. Karlsson, H. Steinshamn, M. Johansen & E. Prestløkken	Effect of wilting and use of silage additive in grass silage on feed intake and milk production in Norwegian Red dairy cows
K.S. Eikanger, M. Eknæs, I.J. Karlengen, J.K. Sommerseth, I. Schei & A. Kidane	Enteric methane emissions from Norwegian Red dairy cows fed compound feeds differing in the level of local ingredients
A.H. Karlsson, F.F. Drachman, K. Wallin & M. Therkildsen	Beef-on-dairy heifers grazing semi-natural grasslands can produce tender beef
K.V. Weiby, S.J. Krizsan, I. Dønnem, L. Østrem, M. Eknæs & H. Steinshamn	Harvesting frequency, grassland species and silage additive affects in vitro methane production from silage

## Instructions for presenters

Oral presentations should preferably be supported by power point slides, or similar. Length of each presentation should be at least 5 minutes shorter than allotted time, according to the program, to allow for questions and discussion.

Poster presentations should be no longer than 3 minutes to give room for 1-2 questions. Focus on results as material and methods etc. are available in the conference proceedings.

The maximum poster size for NFSC 2024 is 70 cm wide by 140 cm high (portrait orientation), but you are allowed to have up to three sheets of that size as each poster stand can accommodate that (one stand per poster to be presented).