

NORTH DAKOTA BEEF COMMISSION MINUTES
March 29, 2019
USDA-ARS Northern Great Plains Research Station, Mandan, ND

Call to Order

North Dakota Beef Commission (NDBC) Chairman Mark Wagner called the meeting to order at 8:45 am.

Directors Present: Mark Wagner, Gloria Payne, Sharon Kickertz-Gerbig, Fred Helbling, Matt Lachenmeier, Mark Voll, Travis Maddock, Weston Dvorak, Lilah Krebs, and ex officio Clark Price.

Staff: Nancy Jo Bateman, Robin Berger and Joan Hoovestol.

Guests: USDA ARS Staff members: Cal Thorson, Rachael Christensen, Yssi Cronquist, Scott Kronberg; all researchers listed below were present throughout the morning via video conferencing.

Greetings were given by Rachael Christensen and Cal Thorson.

Research Presentations:

9:00 am Nicholas Burd, University of Illinois - Defining beef and meal frequency as key components of a healthy eating pattern for muscle health and well-being.
Funding Request: \$179,024

9:15 am Hannah Holscher, University of Illinois - Delineating the influence of the gut microbiota on the impact of regular beef consumption on training induced gains in muscle strength and performance in healthy adults.
Funding Request: \$39,219

9:45 am Stephan van Vliet, Duke University - The effects of regular beef consumption as part of a whole foods diet on plasma inflammatory and cardiometabolic health signatures in middle aged adults.
Funding Request: \$130,168

10:00 am Kristina Peterson/Penny Kris Etherton, Penn State - Does a healthy dietary pattern with and without animal foods affect cardiometabolic disease risk comparably?
Funding Request: \$326,555

10:30 am Birgit Pruess, NDSU - Beef and beef product research (determine the degradation products of EAA using experimental conditions that simulate cooking of the ground beef.)
Funding Request: \$5000

10:45 am Kasey Carlin/Bryan Neville, NDSU - Evaluation of the potential of field peas in finishing rations to offset the decline in beef quality attributes due to growth promotant technologies.
Funding Request: \$61,384

Kasey also requested consideration of an additional amount of \$5100 for unexpected increased costs for analysis of samples for her current ractopamine study that the NDBC is funding.
Funding Request: \$5100

11:00 am Robert Maddock/Doug Landblom, NDSU - The effect of forage-based grazing sequence system on beef quality attributes.
Funding Request: \$53,610

11:15 am Kasey Carlin/Lauren Hanna, NDSU - Impact of differences in growth potential due to frame as related to postmortem skeletal muscle metabolism and meat quality.
Funding Request: \$74,190

11:30 am Sherri Stastny/Kyle Hackney, NDSU - Animal based protein and functional performance among free-living adults: in health and disease
Funding Request: \$206,036

11:45 am Eric Berg, NDSU - Does replacing starch carbohydrate energy and plant protein with beef tallow energy and beef protein in an isocaloric, balanced diet impact growth, development and susceptibility to chronic disease in swine model?
Funding Request: \$35,958

Discussion on research proposals and funds available followed. Maddock recused himself from voting since he had family members that were applying for funding. Scores were tabulated and the rankings of projects were reviewed.

A motion was made to fund project 1 (Eric Berg), project 2 (Nicholas Burd's Beef & Meal Frequency study), project 3 (Hannah Holscher & Burd's study) and project 10 (Stephan van Vliet) for a total of \$384,369 with funds to be moved from the "special project" budget line into the research budget to cover the additional research costs over the present research budget line by Dvorak, seconded by Voll. Motion passed.

A motion was made to fund the additional amounts requested for ongoing projects of Pruess in the amount of \$5,000 and Carlin in the amount of \$5100 for a total of \$10,100 by Lachenmeier, seconded by Helbling. Motion passed.

Meeting adjourned at 2:30 pm.