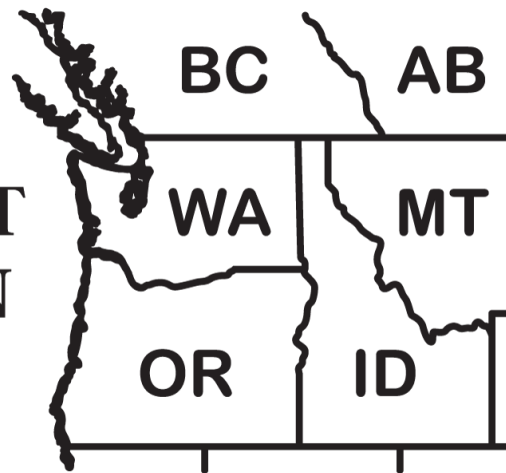


54th Annual Pacific Northwest Animal Nutrition Conference

PROCEEDINGS

**PACIFIC NORTHWEST
ANIMAL NUTRITION
CONFERENCE**



and
Diamond V Preconference

January 13-14, 2020
Grove Hotel
Boise, Idaho

- Organized By -

Oregon State University, University of Idaho, and Washington State University

- Committee -

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Pedram Rezamand and Carl Hunt – University of Idaho;
Chad Mueller – Oregon State University;
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Table of Contents

DIAMOND V PRECONFERENCE	Page
Diamond V Next Generation Technology: Helping Cows Reach their Genetic Potential Every Day, <i>T. J. Oelberg, Ph.D.</i> , Diamond V.	7
<u>MAIN CONFERENCE</u>	
Update on Trace Minerals and Vitamins for Dairy Cows— <i>W.P. Weiss</i> , Department of Animal Science, OARDC, The Ohio State University, Wooster	12
Use of Silage and New Approaches to Feed in Beef Operations— <i>G.E. Erickson</i> , University of Nebraska-Lincoln	26
Oxidative stress and health disorders in periparturient dairy cows— <i>Lorraine M. Sordillo</i> , Department of Large Animal Clinical Sciences, College of Veterinary Medicine, Michigan State University	38
Nutrition and management of the dairy calf to realize the growth and lactation potential— <i>R. E. James</i> , GPS Dairy Consulting, LLC, Professor Emeritus, Virginia Tech Dairy Science Dept.	48
Balancing for amino acids in support of lactation— <i>M.D. Hanigan</i> , Dept. of Dairy Science, Virginia Tech	56
Managing Invasive Range Plants in Beef-Cattle Grazing Systems: The Tale of <i>Sericea Lespedeza</i> (<i>Lespedeza cuneata</i>) in Native Tallgrass Prairie— <i>K. C. Olson</i> , Department of Animal Sciences & Industry, Kansas State University	67
Creating rangeland resiliency for stable ecosystems and healthy ranches— <i>Tipton D. Hudson</i> , Washington State University Extension, Rangeland and Livestock Management Specialist	79
Challenges and opportunities in nutritional management of robotic milking herds— <i>Trevor DeVries</i> , Department of Animal Biosciences, University of Guelph	86
The SAGA continues – searching for the source of gut-derived inflammation— <i>Barry Bradford</i> , Michigan State University	95
Management considerations for beef cows with emphasis on offspring performance and cow nutrient requirements— <i>David W. Bohnert</i> , Oregon State University, Eastern Oregon Agricultural Research Center; Burns, OR	102
Feedlot Trilogy: Acidosis prevention, cereal grains and grain processing, and liver abscess control strategies— <i>James Drouillard</i> , Kansas State University, Manhattan	114
Beef sustainability: Beyond the headlines and towards the facts— <i>Sara Place</i> , Elanco Animal Health	138

In Vitro Fermentation Characteristics, Feeding Behavior, and Preference of Growing Holstein Dairy Heifers to a Modified Lignin Product

K.L. Day, H.C. Hung, H.T. Hong, C.Y. Tsai, G.E. Chibisa, A.H. Laarman, and P. Rezamand.

Intake and in Vito Fermentation Characteristics of Pelleted Feeds Containing Different Binders in Growing Primiparous Holstein Cows Diets

H.T. Hong, H.C. Hung, K.R. Kerner, A.L. Peterson, S. Burkhardt, A.H. Laarman, and P. Rezamand.

Effect of feeding supplemental zeolite on measures of nitrogen utilization in backgrounding cattle

C. Klaeui, M. De Haro Marti, M. Chahine, and G. E. Chibisa.

In vitro rumen fermentation characteristics of high-grade crystalline vs. low-grade liquid betaine products

T. Kelley, G.E. Chibisa, P. Rezamand, and M. Chahine.

In vitro fermentation characteristics of Cheatgrass (*Bromus tectorum* L.) and Medusahead (*Taeniatherum caputmedusae* L.) harvested on Idaho rangeland in different seasons

C.A. Myers, K.S. Jensen, and G.E. Chibisa

Impacts of heifer post-weaning residual feed intake classification on reproductive and performance measurements of first, second and third parity Black Angus females

C.T. Parsons, J.M. Dafoe, S.A. Wyffels, T. DelCurto, and D.L. Boss

Effect of feeding ensiled or dried grape pomace on measures of nitrogen utilization in backgrounding cattle

C. Ream, A.V. Stevens, and G.E. Chibisa

Impact of a commercial direct-fed microbial on cow performance during the periparturient transition

M.R. Steelreath, H.C. Hung, R.L. Hiltz, M.N. Degenshein, A. Aguilar, H. Nielsen, A.H. Laarman, and P. Rezamand

Relationship between nutrient metabolism during the periparturient period and health measures in a Pacific Northwest dairy herd

C.Y. Tsai, H.C. Hung, T. Weber, and P. Rezamand

Effects of Serum Protein Concentrations on Selected Health Measures within the First 90 Days of Life in Holstein Dairy Calf

B.J. Tverdy, C.Y. Tsai, W.J. Price, and P. Rezamand

PNWANC Program Agenda

Monday, January 13

1:00 PM – 5:00 PM

Preconference, *sponsored by Diamond V*



Preconference Agenda

- 1:00 pm Introduction - Diamond V - Kelly Reed
- 1:05 pm Diamond V Next Generation Technology: Helping Cows Reach Their Potential Everyday - Tom Oelberg, Diamond V
- 1:45 pm Impact of Diet on Rumen and Intestinal Health - Tanya Gressley, University of Delaware
- 2:30 pm Break
- 2:45 pm Utilizing Heifer Weights in Rearing, and the Subsequent Effect on Lactation Performance - Todd Birkle, Diamond V
- 3:30 pm Global Innovation in Animal Ag & What Consumer Demand Looks Like Across Animal Protein Groups - Steve Sands, Performance Food Group
- 4:15 pm Panel Discussion - Moderated by Dain Henry, Diamond V
- 5:00 pm Reception hosted by Diamond V
Refreshments and Graduate Student Poster viewing
- 6:00 pm ARPAS Exam Session

Tuesday, January 14

- 7:00 AM Continental breakfast
- 7:00 AM ARPAS PNW Chapter meeting

Session I: General Topics

- 8:15 am Welcome - Pedram Rezamand, University of Idaho
- 8:20 am Updates on Mineral and Vitamin Nutrition - Bill Weiss, THE Ohio State University
- 9:00 am Use of Silage and Some New Approaches to Feed in Beef Operations - Galen Erickson, University of Nebraska
- 9:40 am Oxidative Stress and Health Disorders in Periparturient Dairy Cows - Lorraine Sordillo, Michigan State University

10:20 am Coffee Break I - Sponsored by Central Life Sciences, JR Simplot, and International Stock Food

Session II: Dairy Topics

- 10:40 am Nutrition and management of the dairy calf to realize the growth and lactation potential - Bob James, GPS Dairy Consulting, Professor Emeritus, Virginia Tech Dairy Science Dept. - *Sponsored by RP Nutrients*
- 11:20 am Balancing lactating cow diets for essential amino acids - Mark Hanigan, Virginia Tech - *Sponsored by Ajinomoto*

Session II: Beef Topics

- 10:40 am Managing invasive range plants in beef cattle grazing systems - K C Olson, Kansas State University
- 11:20 am Creating rangeland resiliency for stable ecosystems and healthy ranches - Tip Hudson, Washington State University

12:00 pm Lunch

Poster Competition Results
Speaker Alan Sams, Dean of the College of Agricultural Sciences, Oregon State University

Session III: Dairy Topics

- 1:00 pm Challenges & opportunities in nutritional management of robotic milking herds - Trevor DeVries, University of Guelph
- 1:50 pm The SAGA continues – searching for the source of gut-derived inflammation - Barry Bradford, Kansas State University

Session III: Beef Topics

- 1:00 pm Management Considerations for Beef Cows with emphasis on offspring performance and cow nutrient requirements - Dave Bohnert, Oregon State University
- 1:50 pm Feedlot trilogy: Grain processing, acidosis prevention, and liver abscess control strategies - James Drouillard, Kansas State University

2:50 pm Coffee Break II - Sponsored by Central Life Sciences, JR Simplot, and International Stock Food

Session IV: General Topics

- 3:15 pm Beef sustainability: Beyond the headlines and towards the facts - Sara Place, Elanco Animal Health
- 4:00 pm Adjourn