

INTERNATIONAL SPEAKERS

KEYNOTE SPEAKER: Dr. Hugh Dove

*CSIRO Plant Industry, Canberra, Australian
Capital Territory 2601, Australia*

Hugh Dove is a Chief Research Scientist at CSIRO Plant Industry, Canberra. After completing an agricultural science degree and then PhD at the University of Melbourne, he joined CSIRO Plant Industry. Since then, has been involved in studies on the nutrition of grazing animals, principally sheep and cattle. Much of his work has been directed toward the obtaining data with which to relate animal performance to pasture conditions, and data on the interaction between pastures and supplements. This has entailed the development of techniques based on plant wax markers (mainly alkanes and long-chain alcohols) for estimating diet composition and the intake of herbage and supplement by grazing livestock, and also isotope dilution techniques for estimating milk intake or supplement intake. His work has been mainly with sown pastures, but has also examined the nutritive value of crop residues and the role of dual-purpose winter crops in grazing systems. He is the co-editor of the text book 'Sheep Nutrition', and has recently helped to revise the ruminant feeding standards in both the USA and Australia. He is a Fellow of the Australian Institute of Agricultural Science and Technology, a Fellow of the Australian Society of Animal Production and an Honorary Member of the Nutrition Society of Australia. In 2007, he was awarded the Research Medal of the Nutrition Society of Australia, for services to animal nutrition research.

Dr. Stuart (Stu) McLennan

*Senior Principal Scientist, Beef Animal Sciences, Queensland
Primary Industries & Fisheries, Moorooka Q 4105, Australia*

Stu McLennan was appointed as a beef cattle research officer in 1973 and has worked for the last 36 years in the seasonally-dry tropics of northern Australia researching the nutrition of grazing cattle. His early research interests included the management of native pasture and the augmentation of the native grasses with legumes, primarily the introduced *Stylosanthes* species. However his main career focus has been on the supplementary feeding of grazing cattle to increase overall growth rates and enterprise profitability. Within this general theme his major consideration has been the development and evaluation of supplements to reduce the impact of inadequate nutrition during the dry winter/spring months, primarily targeting increased microbial protein production in the rumen and the provision of additional energy and protein to cattle in forms such as grain, molasses and protein meals. More recently this has included the evaluation of existing feeding standards, and their derived decision support models, for predicting the performance of grazing animals as well as the development of new decision support tools for use by beef producers and their advisors.

IMPORTANT INFORMATION:

- Call for poster abstracts will be requested November 1, 2009
- Poster abstract submission deadline is March 19, 2010
- A peer reviewed proceedings of talks will be published (including poster abstracts)

For Additional Information Visit:

<http://www.asas.org/grazingconf/>

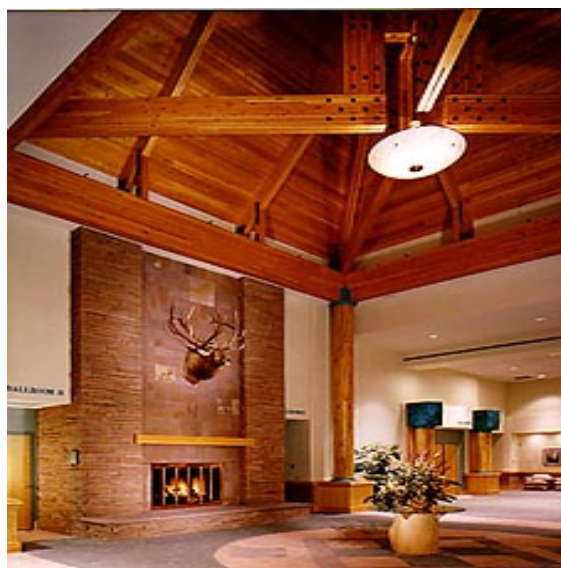
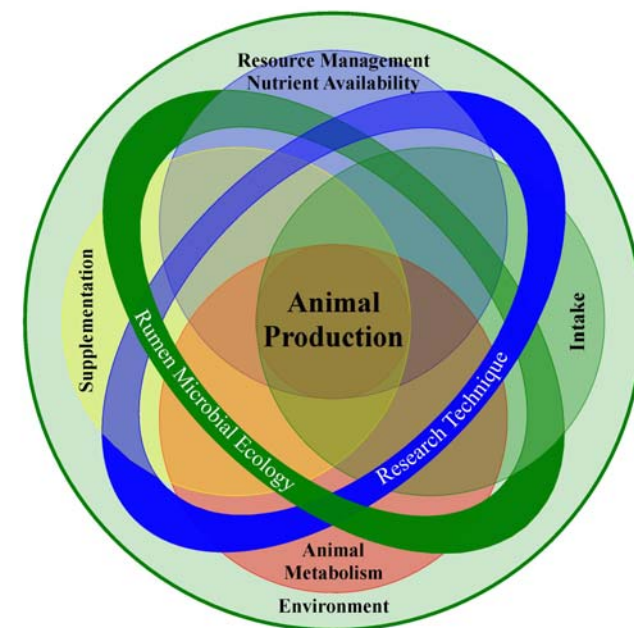
Or Contact:

Dr. Richard Waterman, Organizing Committee Chair

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E-mail: richard.waterman@ars.usda.gov

4th GRAZING LIVESTOCK NUTRITION CONFERENCE



Estes Park Conference Center

**July 9-10, 2010
Estes Park Conference Center
Estes Park, CO**

**Organized by: W 1012 (Formerly WERA – 110)
“Improving Ruminant Use Of Forages in Sustainable
Production Systems for the Western United States”**

SCHEDULE

THURSDAY JULY 8, 2010

6:00 – 8:00 p.m. **Registration and Poster Set-Up**

FRIDAY JULY 9, 2010

8:00 – 8:30 am **Registration**

Moderator - Richard Waterman

8:30 – 8:45 am **Welcome and Introductions**

8:45 – 9:30 am **Issues in Grazing Livestock Nutrition**

Dr. Tim DelCurto - Oregon State University, Union, OR

Dr. Ken Olson - South Dakota State University, Rapid City, SD

SESSION 1: RUMINAL MICROBIAL ECOLOGY AS INFLUENCED BY THE NUTRITIONAL ENVIRONMENT OF GRAZING RUMINANTS

Moderator - Doug Tolleson

9:30 – 10:15 am **Emerging Methods in Rumen Microbiology**

Dr. Bryan White - University of Illinois, Urbana, IL

10:15 – 10:45 am **BREAK**

10:45 – 11:30 am **Application of Rumen Microbiological Techniques to the Grazing Ruminant**

Dr. Shanna Ivey - New Mexico State University, Las Cruces, NM

11:30 am – 1:00 pm **LUNCH**

SESSION II: PERSPECTIVES ON INTAKE IN GRAZING STUDIES AND IN PRACTICE

KEYNOTE SPEAKER

Moderator - Jim Sprinkle

1:00 – 2:00 pm **Assessment of Intake for Grazing Ruminants**

Dr. Hugh Dove - CSIRO Plant Industry, Canberra, Australia

2:00 – 2:45 pm **Geospatial Methods and Data Analysis for Assessing Distribution of Grazing Livestock**

Dr. Dean Anderson - USDA-ARS, Las Cruces, NM

SESSION III: IMPACT OF NUTRIENT BALANCE ON BIOLOGICAL EFFICIENCY AND LIFETIME PRODUCTIVITY OF GRAZING LIVESTOCK

Moderator - Jim Carpenter

2:45 – 3:30 pm **Metabolic Signals of the Beef Cow in Negative Energy Balance**

Dr. Richard Waterman - USDA-ARS Miles City, MT

Dr. Ron Butler - Cornell University, Ithaca, NY

3:30 – 3:45 pm **BREAK**

3:45 – 4:30 pm **Maternal Plane of Nutrition Impacts on Newborn/Offspring**

Dr. Bret Hess - University of Wyoming, Laramie, WY

Dr. Joel Caton - North Dakota State University, Fargo, ND

4:30 – 5:15 pm **Excess Nutrients Leading to Imbalance, High-Quality Forages**

Dr. Monty Kerley - University of Missouri, Columbia, MO

5:15 – 5:30 pm **Wrap-up and announcements**

5:30 – 7:00 pm **Social and poster session (Presenters attending posters)**

SATURDAY JULY 10, 2010

8:00 – 8:15 am **Meet and Greet**

8:15 – 8:30 am **Welcome and announcements**

SESSION IV: APPLICATION OF REQUIREMENT SYSTEMS FOR GRAZING LIVESTOCK; ASSESSING NRC AND CSIRO SYSTEMS FOR GRAZING LIVESTOCK

Moderator - Sergio A. Soto-Navarro

8:30 – 9:30 am **Application of Nutrient Requirement Schemes to Grazing Animals**

Dr. Stuart McLennan - Queensland Primary Industries and Fisheries Animal Research Institute, Moorooka Q, Australia

Dr. Hugh Dove - CSIRO Plant Industry, Canberra, Australia

Prof. Dennis Poppi - University of Queensland, Gatton, Australia

SESSION V: SUPPLEMENTATION STRATEGIES TO ACHIEVE BIOLOGICAL AND ECONOMIC EFFICIENCY

Moderator - Erick Scholljegerdes

9:30 – 10:15 am **Strategic Supplementation to Correct for Nutrient Imbalances**

Dr. Greg Lardy - North Dakota State University, Fargo, ND

Dr. Rachel Endecott - Montana State University, Miles City, MT

10:15 – 10:45 am **BREAK**

10:45 – 11:30 am **Impact of Nutritional Decisions on Net Returns in an Era of Increasing Costs for Feedstuffs**

Dr. Allen Torell - New Mexico State University, Las Cruces, NM

SESSION VI: A SUMMARY OF ADVANCES AND EMERGING PRACTICES IN GRAZING LIVESTOCK NUTRITION

Moderator - Richard Waterman

11:30 – 12:30 pm **Challenges to Predicting Productivity of Grazing Ruminants - Where to now?**

Dr. Mark Petersen - USDA-ARS Miles City, MT

12:30 – 12:45 pm **Closing Remarks**

Recognition:

-Sponsors

-Editorial committee

-Organizing committee

12:45 – 1:00 pm **Remove Posters**