Cattlemen’s Update 2000 Sponsors

University of Nevada Reno School of Veterinary Medicine and Cooperative Extension

Nevada Cattlemen’s Association
    Nevada Beef Council
Pinenut Livestock Supply
Ron’s Seed and Supply
Garino Livestock Supply
Triangle Feed Lots
Fort Dodge Laboratories
Winnemucca New Holland
Animal Pharmaceutical Inc. (API)

Nevada Small Business Development Center*
Eastern Sierra Feed and Farm Supply
Intermountain Farmers Association, Yerington
Laxague Feed and Supply
Silverado Ranch Supply
S and W feeds
Lextron Animal Health
Hoechst-Roussel Agri-Vet Company
    Pfizer, Inc.
Intermountain Veterinary Services
    Gale Tire & Oil
The Feedlot - Bob & Gayle Bartlett
White Pine Veterinary Clinic
First National Bank of Ely
Carter Agri-Systems
Churchill County Cattlewomen
Humboldt County Cattlewomen
Western Nevada Cattlewomen

Planning Committee - Bill Kvasnicka, Ron Torell, Ben Bruce, Sue Hoffman, Hudson Glimp, Jay Davison, Roby Kettle, Don Breazeale, Bob Wilson, Steve Lewis, Willie Riggs, and Loretta Singeltary

*The Small Business Development Center at GBC is a partnership between the University of Nevada, Reno and the US Small Business Administration.
The support given by the SBA does not constitute express or implied endorsement of any of the sponsor(s)’ or participants(s)’ opinions, products, or services.
Minden Gardnerville.................................January 10
Fallon.........................................................January 10
Ely..............................................................January 11
Elko ...........................................................January 12
Winnemucca.............................................January 13

Trends in Beef Cattle Production   (SP-00-01)

SPEAKERS AND TOPICS

Ron Torell
University of Nevada, Reno
Cooperative Extension
NE Area Livestock Specialist

Does Terminal Crossbreeding Pay?
Results of a Six-Year Study

Joe Dedrickson, DVM, Ph.D.
Technical Service Manager Cattle
ALPHARMA
Fort Lee, NJ

Coccidiosis in Beef Cattle

Ben Bruce, Ph.D.
University of Nevada, Reno
School of Veterinary Medicine
Livestock Specialist

The Value of Multiple Pharmaceutical & Growth
Products for Beef Cattle

Boyd Spratling, DVM
Practicing Veterinarian
Death, NV

Common Sense Use of Antibiotics

Don Breazeale
University of Nevada, Reno
Cooperative Extension
Extension Educator
Pershing County, Lovelock, NV

Farming & Ranching Salary Benefits Survey Results

Bill Kvasnicka DVM
University of Nevada, Reno
School of Veterinary Medicine
Extension Veterinarian

Disease Prevention Programs for Great Basin Beef Cattle Herds

Local Speaker
Minden-------------Randy Walstrum, DVM, & Mark Hall, Ph.D
Elko---------------------------------------------John Dinsmore, DVM
Winnemucca----------------------------------------Mark Hall, Ph.D

Reference to a company or trade name does not imply approval or endorsement by the University of Nevada, Reno

The University of Nevada, Reno is an Equal Opportunity/Affirmative Action employer and does not discriminate on the basis of race, color, religion, sex, age, creed, national origin, veteran status, physical or mental disability, and in accordance with University policy, sexual orientation, in any program or activity it operates. The University of Nevada employs only United States citizens and aliens lawfully authorized to work in the United States.
# Table Of Contents

Maternal Versus Terminal Crossbreeding Systems: A Six-Year Study at University of Nevada Gund Research and Demonstration Ranch  
Ron Torell, MS ................................................................. Section 1 Page 1-8

Sources of Maternal Replacement Heifers When Using a Terminal Crossbreeding System  
Ron Torell, MS ................................................................. Section 2 Page 9-13

Ron Torell, MS ................................................................. Section 3 Page 14-20

Coccidiosis in Beef Calves  
B. Joe Dedrickson, DVM, Ph.D ......................................... Section 4 Page 21-24

The Value of Aggregated Pharmaceutical and Growth Products for Beef Cattle: Zero VS Multiple Product Input For Stocker Cattle Grazing  
Ben Bruce, Ph.D .............................................................. Section 5 Page 25-27

A Survey of Compensation and Benefits Packages Among Nevada Cattle Ranch Employees  
Don Breazeale MS ........................................................... Section 6 Page 28-31

Animal Health Issues for Great Basin Beef Cattle  
Bill Kvasnicka, DVM ........................................................ Section 7 Page 32-46

Epizootic Bovine Abortion (EBA) in Nevada.  
Mark Hall, Ph.D ............................................................. Section 8 Page 47-48

What Can a Rancher do to Minimize the Risk of Beef Contamination With *Escherichia coli* O157:H7?  
Hussein S. Hussein, Ph.D ................................................ Section 9 Page 49-57

Effects of Cutting Method, Display Temperature and Vitamine E on Retail Beefsteak Discoloration  
Tom Ringkob, Ph.D ........................................................ Section 10 Page 58-62

Cereal Grains for Horses  
Al Cirelli, Jr, MS ............................................................. Section 11 Page 63-65

Source water assessment and nonpoint sources of acutely toxic contaminants: A review of research related to survival and transport of *Cryptosporidium parvum*  
Sorption of *Cryptosporidium parvum* oocysts in aqueous solution to metal oxide and hydrophobic substrates  
Use of a Sentinel System for Field Measurements of *Cryptosporidium parvum* Oocyst Inactivation in Soil and Animal Waste  
Mark J. Walker, Ph.D ....................................................... Section 12 Page 66-68

Controlled Sheep Grazing to Create Fuelbreaks Along the Urban/Wildland Interface of Western Nevada  
Edwin G. Smith MS ....................................................... Section 13 Page 69

Quantification of Subclinical Mastitis in Sheep  
Melanie McFarland ........................................................ Section 14 Page 70-71