

Welcome to the 2006 Minnesota Cow/Calf days

Presented by

The University of Minnesota Beef team



UNIVERSITY OF MINNESOTA

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SERVICE



www.extension.umn.edu/beef/

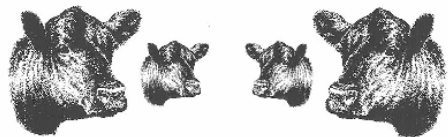
Tel: 218-327-4490

Email: ploni001@umn.edu

Minnesota Beef Cow/Calf Days 2006

Speaker Sponsors

MN Angus Association



Minnesota Angus Association

The Minnesota Angus Association is Proud to be a sponsor of
The University of Minnesota's Beef Cow - Calf Days.
Our Commitment to our Breeders and Their Costumers together
with An opportunity to increase Knowledge and Profit

A special Invitation to You to Attend
The Minnesota State Angus Sale
March 22, 2006
Olmstead County Fairgrounds, Rochester,

Minnesota Angus Breeders have put together
The Best of the Best!
Bulls, Open Show Heifers, Bred Heifers and Cow-Calf Pairs

*Don't miss out on this Chance to put
Angus Genetics
To Work in Your Herd*

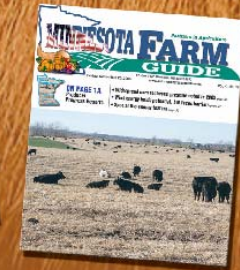
For Sale Catalogues contact:
Angus Hall of Fame
PO Box 660
Smithville, MO 64099
816-532-0811
angushall@earthlink.net
www.angushall.com

For Membership, & Member Directory Contact:
James Scharpe
20573 401st Ave
Arlington, MN 55307
507-964-5756
scharpe8@frontiernet.net

MN Farm Guide

We are proud sponsors of

The University of Minnesota
Cow/Calf Program

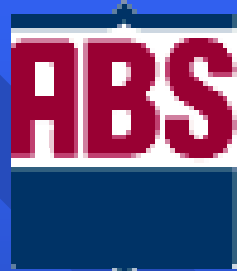


Preferred by
top producers throughout
Minnesota & Northern Iowa

Minnesota Beef Cow/Calf Days 2006

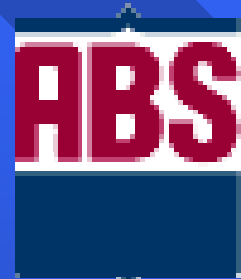
Southern Region Sponsors

- ABS Global, Inc
- AgStar Financial
- All American Coop
- Alpharma Animal Health
- Beef Concepts, Inc.
- Merial Animal Health
- Minnesota State Cattlemen's Association
- Pfizer Animal Health
- Quality Liquid Feeds
- Schering –Plough Animal Health
- Westway Feed Products



Minnesota Beef Cow/Calf Days 2006 Northern Region Sponsors

- **ABS Global, Inc**
- **Alpharma Animal Health**
- **Beef Concepts, Inc.**
- **Merial Animal Health**
- **Minnesota State Cattlemen's Association**
- **Pfizer Animal Health**
- **Quality Liquid Feeds**
- **Schering –Plough Animal Health**
- **Westway Feed Products**



Beef Team at a Glance



Beef Industry Center

Improving and promoting strategies for raising safe and wholesome beef in Minnesota.

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Beef Team Programs

- ☞ 2006 Minnesota Beef Cow/Calf Days - February
- ☞ 2006 Minnesota Cattle Feeder Days - December
- ☞ 2006 Beef Home Study Course - Winter
- ☞ 2006 Minnesota Carcass Merit Program - Winter/Spring
- ☞ 2006 Education Programs on Herd Health (TB, Johne's etc.)
- ☞ 2006 NCROC Production Sale – Oct. 28
- ☞ Interactive Programs:
 - Estrous Synch Planner
 - Cow/Calf Management Calendar



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Beef Team Research Update

☞ **Two Main Focus Areas:**

☞ **Nutrition**

☞ **Reproduction**

Bovine Tuberculosis Informational Meetings Offered

- U of M Beef Team Collaborated with:
 - MN Board of Animal Health
 - MN Department of Agriculture
 - MN Department of Natural Resources
 - USDA
- Provided information to producers on:
 - Current status of TB in Minnesota
 - TB Investigation
 - Indemnity Process
 - Livestock Movement Restrictions
 - Wildlife
- Meeting were offered at:
 - Roseau (October 18, 2005) – attendance 135 people
 - Bagley (January 17, 2006) – attendance 120 people
 - Grygla (January 17, 2006) – attendance 145 people
 - Badger (January 18, 2006) – attendance 120 people

Research Relationships with other Institutions

- ➡ **Univ. of Florida**
- ➡ **Univ. Sao Paolo – Botocatu (Brazil)**
- ➡ **Kansas State Univ.**
- ➡ **Univ. of Illinois**
- ➡ **ND State University**
- ➡ **SD State University**
- ➡ **Ohio State Univ.**
- ➡ **Univ. of Missouri**
- ➡ **Univ. of Tennessee**

**Major Nutrition Research Objective:
To devise feeding and management strategies that
reduce impacts of factors that negatively affect
performance and production efficiency of the beef
cattle production enterprise**

- Evaluation of dry milling byproducts as feed ingredients in feedlot diets
 - University studies are conducted under a variety of experimental conditions (cattle types and weights, diets, levels of inclusion, protein and forage sources)
 - » Data compilation
 - » Data analyses and interpretation
 - » Inclusion of 24% for ADG or 32% for efficiency

Additional Nutrition Studies

- Novel strategies to prevent the development of nutritional disorders in cattle and improve performance.
- Use of different non-protein nitrogen sources in cattle supplementation - Effects on rumen fermentation parameters. Different sources tested (urea, soybean meal, rumen protected urea and biuret) for rumen degradation and release of NH_3 .
- Effects of energy supplementation on digestibility of tropical and temperate forage based diets

**Major Reproduction Research Objective:
To develop breeding management systems that
enhance genetic parameters and optimize fiscal
and management resources**

- Estrous synchronization in bull breeding herds.
- Develop fixed-time AI systems for cows and heifers.
- Develop reliable and affordable embryo transfer programs

Additional Research Areas of the Beef Team

- Meat quality and food safety
- Forage and grazing research