

# Vitae

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## PERSONAL INFORMATION

**NAME** Richard (Rick) J. Rasby

### ADDRESS

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## BIOGRAPHICAL INFORMATION

**DEPARTMENT** *Animal Science*

### EDUCATION

Institution and Location	Degree	Year Conferred	Field of Study
Oklahoma State University Stillwater, Oklahoma	Ph.D.	1986	Reproductive Physiology
Oklahoma State University Stillwater, Oklahoma	M.S.	1983	Reproductive Physiology
University of Nebraska Lincoln, Nebraska	B.S.	1980	Animal Science (Science Option)
Mid-Plains Community College North Platte, Nebraska	2-Year	1977	General

**PRESENT ACADEMIC RANK** Professor – July 1, 2000

**TENURE** July 1, 1994

**CURRENT ASSIGNMENT** Professor – Animal Science Department

### Current Responsibilities:

- Member of the Beef Interest Group
- Teach ASCI 181 and 481

### Past Responsibilities

- Program Leader of Agriculture and Natural Resources
- Member of the North Central Ag and Natural Resources Program Leaders

- Member of the NCRANR that designed, delivered the NCR- Academy III – Water Academy
- Developed and Delivered Capacity Building Workshop for Extension Educators (never done in Extension with the kind of focus of these workshops.
  - Cropping Systems 2017, 2018, 2019
  - Community Environment 2017, 2018
  - Beef Systems – 2017-2023
- Boot Camp for new Beef Systems Educators – target new Beef Systems Educators (first three years of employment) – more in-depth on-boarding to help educators be more successful earlier in their Extension careers (never done in Extension)
- Administrative Advisor for Beef Innovation Hub
- Animal Science Beef group leader.
- Faculty member responsible for Dalbey-Halleck Research Unit.
- Co-Leader of content development and management of our beef website, <http://beef.unl.edu>.
  - Transitioning beef website from Liferay to Drupal.
- Extension focusses – Production and Economics of Cow-Calf Production Systems.
- Leader of the Beef Interest Group.
- Research focus cow/calf management/nutrition/reproduction using grain by-products.
- Research focus on alternative cow/calf production systems.
- Research focus – collaborator – Steer and heifer performance in systems that include a secondary forage crop (cover crop).
- Leader of the SARE grant – Impact of Corn Residue Removal on Grain Yield and Soil Components.
- Advisor or Co-advisor for 16 Master students.
- Advisor or Co-Advise 10 Ph.D student.
- Co-teach Animal Science 455, Cow/Calf Management.
- Co-teach Animal Science 451/851, Management of Livestock on Range and Pasture.
- Member of the 3-State Conference Planning Committee.
- Member of to the IRM sub-committee of the Nebraska Cattlemen.
- Member of the NE Grazing Conference Committee.
- Animal Science Representative for the NCERA-87 Cow/Calf Committee.
- Departmental Promotion and Tenure Committee – member.

## PREVIOUS EMPLOYMENT

### Professor

University of Nebraska-Lincoln 8/1/2023 to Present

### Associate Dean of Extension

### Agriculture Program Leader

University of Nebraska-Lincoln 5/1/2016 to 8/1/2023

### Professor

University of Nebraska-Lincoln 7/30/00 to 5/1/2016

### Associate Professor

University of Nebraska-Lincoln 7/1/92 to 06/30/00

### Assistant Professor

University of Nebraska-Lincoln 12/1/86 to 6/30/92

### Research Associate

Oklahoma State University 7/1/86 to 11/15/86

### Graduate Assistant

Oklahoma State University 8/1/80 to 07/01/86

## **HONORS and AWARDS**

- 1986** - Outstanding Graduate Student in Animal Science, Oklahoma State University.  
**1989** - Excellence in Team Programming Award, "Quality Feeds For Quality Feeding Programs", Nebraska Cooperative Extension Association.  
**1989** - Excellence in Team Programming Award, "Integrated Reproductive Management", Nebraska Cooperative Extension Association.  
**1989** - Team Programming Award, "Quality Feeds for Quality Feeding Programs", Epsilon Sigma Phi.  
**1993** - IANR Team Programming Award  
**2001** - Certificate of Recognition for Contribution to Students - Presented by UNL Parents Association  
**2008** - University of Nebraska Distinguished Educational Service Award  
**2008** - Gamma Sigma Delta Honor Society of Agriculture Extension Award  
**2008** - Award for Excellence in Extension, National Association of State University and Land-Grant Colleges  
**2009** - Wendell Burgher Award Beef Industry Award  
**2010** – Distinguished Extension Specialist Award  
**2011** – American Society of Animal Science Extension Award  
**2012** – Advanced Degree Graduate of Distinction Award, Oklahoma State University  
**2014** – Holling Family Award – Senior Faculty Teaching Excellence Award  
**2017** – Nebraska Hall of Agriculture Achievement - member

## **MEMBERSHIP in PROFESSIONAL ORGANIZATIONS**

- American Society of Animal Science
- Gamma Sigma Delta Honorary Fraternity
- Nebraska Cooperative Extension Association
- American Registry of Professional Animal Scientist

## **SERVICE to ORGANIZATIONS**

- Reviewer of manuscripts - American Society of Animal Science
- Reviewer of manuscripts - Journal of Extension
- Awards Committee - Extension - American Society of Animal Science
- President - Nebraska Forage and Grassland Council
- Chair National Cattlemen Beef Association Northern Plains IRM Committee
- National Cattlemen Beef Association IRM Coordinating Committee

## **GRADUATE FACULTY MEMBER**

- Graduate Faculty Member - February 1991

## ***PROFESSIONAL ACCOMPLISHED***

### **Extension**

#### **1. USDA NRCS Soil Health Initiative**

Wrote the grant, presented the grant to NRCS. Funded for \$314,184. I was the PI on the grant and Daren Redfern was Co-PI. We turned the grant over to Dr. Andrea Basche. 2017 -2023

#### **2. Integrated Animal Systems Management**

- Leader or Co-leader of the “Integrated Animal Systems Management” Action Plan- 1995 – 2005
- Chaired the committee that wrote the Integrated Animal Systems Management Action Plan (1995) and revised the plan (1997), Animal component of Food Production and Natural Resources Action Plan (2004).

### 3. **Beef Spires**

- Beef Spire – co-leader
- Beef Interest group – co-leader
- Beef Systems Cow/Calf – leader
- Developed post-meeting evaluation survey tool
- Co-developer of post meeting evaluation tool using Microsoft Office Access
- Co-developer of follow-up survey tool using Microsoft Office Access
- Developed the Public Value Statement for Beef Systems Cow/calf - 2010

### 4. **Integrated Resource Management (IRM)**

Lead IRM program from 1987 to 1995. Meet with steering committee annually. Develop annual IRM Conference. Worked with 9 cooperator herds and collected production and financial data. Developed final report. Presented data at annual conference, Range Beef Cow Symposium, National Cattlemen Beef Association Convention, Invited at Annual Animal Science Meetings. Funded USDA - \$142,000. *Author of the IRM Quarterly Newsletter - mailing list of 550 - 1991 to 2000.*

5. **Impact of Corn Residue Removal on Grain Yield and Soil Components.** \$198,500 SARE grant awarded. The limited research data show residue removal does not decrease subsequent crop yields, but more experimental data are needed under a variety of environmental and soil conditions to better understand corn residue grazing and baling effects on crop yields and soil productivity on a regional scale. This project will combine on-farm and on-station research to determine the impact of corn residue grazing and baling on grain yield and soil quality at multiple sites across Nebraska. At least 6 sites (one research site and 5 cooperator fields) that differ in precipitation input, soil types, erosion potential, and cropping systems (corn after corn; soybeans after corn), and irrigation potential (irrigated and rain-fed) will be established. The research site will be established at the University Nebraska's Agriculture Research and Development Center, while the 5 on-farm sites will be on producers' fields. Producer cooperators have agreed to apply three treatments at their field sites; non-grazed/non baled treatment, residue grazing, and residue baling. The research site will include a cover crop treatment in addition to the above 3 treatments. Grain and biomass yield data will be collected from all sites each year. Changes in soil quality and fertility parameters and soil water content will be measured to evaluate grazing and baling implications on soil productivity. Outreach will be essential to this project through field days at on-farm and research sites. Findings will also be presented at local, regional, and national meetings and published in thesis, journal articles, and extension publications. Application tools and guidelines will be developed to recommend sustainable management of corn residue. This on-farm project is novel because it uniquely integrates beef production with crops and soils to better understand the sustainability of rural communities. This proposal is of high priority for the University of Nebraska and fits the overreaching goals of the NC-SARE, which targets research that fosters economic profitability and stewardship of natural resources. Delivered 5 Field Days, 2 Peer Reviewed Publications, 1 abstract, 10 popular press articles, 1 MS Thesis.

### 6. **PC-COWCARD**

**Impact:** Co-author of PC-COWCARD, the first micro-computer program sold by the University of Nebraska. The program is used to track individual and herd performance of beef cows. There were over 650 PC-COWCARD copies sold in 20 states and two foreign countries. Also served as primary support person for this program.

### 7. **Quality Feeds for Quality Feeding Programs**

**Impact:** Co-lead this educational program with Bruce Anderson (Agronomy), Don Kubik (Dairy), and Duane Rice (Veterinary Science). This program was targeted to beef and dairy producers, with the emphasis to test forages for quality because there is a wide variation in quality. Once tested, forages can be targeted for "best" use and it can be determined if other feeds or supplements are needed. We purchased a mobile Near Infrared Spectrometer to illustrate new technology in forage testing, but also to test forages that producers would bring to the meetings.

We conducted 26 meetings that 639 producers attended and tested 1,186 feed samples. It was documented that producers reduced feed costs by \$25 per cow by knowing the quality of the forage. It was also documented that information presented in the program helped producers increase protein content of their forages 2 to 3 percent.

**8. National Cattlemen's Satellite Short Course**

**Impact:** In the winter of 1994 and the spring of 1995 the University of Nebraska in cooperation with South Dakota State University conducted a satellite short course that included 15 secessions titled "Cattlemen's Satellite Short-course". There were more than 900 viewing sites located across 47 states and two Canadian provinces. In most cases, there were more than one person viewing at each downlink site and it was estimated that more than 8,000 people viewed the Short-course. The satellite program targeted cow/calf producers. Topics included production and economical management practices. Some of the topics presented were regionalized to better fit the feed resources of the region. Co-lead this educational effort with Dr. Don Boggs, SDSU.

**9. CRP Demonstration**

**Impact:** Co-leader of the CRP Grazing Demonstration Project at Herman, NE. This project gave producers information and ideas on grazing management and pasture design if they decide to leave their CRP acres in grass. We held two field days and 130 producers participated. The production and economic analysis were completed on cattle in the simple and intensive grazing system. There was a slight advantage economically in favor of the simple system.

**10. 4-State Beef Conference**

**Impact:** A multi-educational program developed by extension from NE, MO, IA, KS. January 2012, Kansas is not a member of the conference and name changed to 3-State Beef Conference. In January 2014, we completed 32<sup>nd</sup> anniversary for this educational program. In 2007, 2008, 2009, and 2010 those that attended the meeting were repeat customers, with 74, 62, and 45 percent having attended two or more 4-State Beef conferences. In the last three years 335 attended the conference and managed 40,682 beef cows, 14,228 stocker calves, and 27,352 feedlot cattle. 29% who attended the conference indicated that they were very like to make business or management decisions based on information they received at the conference. 68% indicted they were likely to make management changes based on the information they received at the conference. 33% indicated that, based on the information they received at the conference, that it increased the profitability of their cattle enterprise by over \$1,000.

**11. National Research Council Nutritional Requirements for Beef Cattle Satellite Conference**

**Impact:** The last time the NRC Nutrient Requirements for Beef Cattle was updated was in 1984. In June of 1996, the new NRC for beef cattle was released. In Nebraska, we had 5 locations that served as training sites. The target audience for the training was Beef Cattle Nutrition Consultants, Feed Industry Representatives, Veterinarians, and University Educators and Specialists.

**12. Grazing Management & Beef Cow Production Short-course**

**Impact:** Each session had a combination of learning experiences including classroom, discussions, tours, and individual consultations. The unique program included four days spread from February to August. The Eastern Nebraska Grazing Management and Beef Cow Production Short Course was a four-day workshop designed to provide beef cow producers an opportunity to review their current grazing program and explore management techniques that can be used to improve forage utilization and increase profitability. The four days of the workshop were each two months apart to give producers a chance to ask questions and update their grazing plan throughout the season. They also could see how the grazing management at the demonstration site affected the season-long productivity for that operator. This activity was coordinated with Steve Melvin, Extension Educator in Nuckolls County, so the same program was presented on consecutive days at the two sites. This reduced preparation time for the specialists involved and allowed participants who had a conflict on any of the days to get the same information at the other site.

### 13. Nebraska's Beef Cow Satellite Short-Course

**Impact:** Co-developed this educational program with extension educator Scott Brady. Program targeted cow/calf producers. This program was delivered via satellite to down-link sites at extension offices. The program was delivered in four evening sessions (50 minute presentations) followed by a question and answer session. Research and science-based information that can be quickly integrated into beef operations allows producers to make effective decisions that may result in positive economic opportunities. We have averaged 15 downlink sites per year and 22 people per site. To remain competitive, beef cow operations must be able to take advantage of current opportunities and knowledge to make decisions that will influence both short- and long-term profitability.

### 14. Employee Management in Production Agriculture

**Impact:** Farm and ranch operations along with rural businesses face many challenges. Hiring and retaining quality employees is one of the keys for a successful operation. Personnel management is not a strength of most agriculture operations and small businesses. This workshop allowed those attending to better understand labor management issues and compensation packages to improve their success. Communication strategies were also presented to help both employers and employees build relationships. This program was an educational effort developed by the University of Nebraska, Nebraska cattlemen cow/calf council and Integrated Resource Management. Resources: Berny Erwin and Sarah Fogelman

### 15. Beef Cow Management

**Impact:** For several years, rations for cow/calf producers were developed, using relatively high amounts of shelled corn and relatively low amounts of roughage. These were very "non-traditional" rations and were slow to gain acceptance. However, the lack of available roughage spurred many ranchers to try these new, "exotic" rations. To their surprise, the rations worked very well, the cows came through the winter fine, they held their body condition well, they calved without difficulty, and many ranchers reported the best breed-back (conception rates) they had had in years. Needless to say in the following year, many more ranchers were interested in doing the same thing. Their neighbors had saved thousands of dollars in feed costs, while maintaining or even improving their production. Most ranchers were saving 40-50 cents per head per day, utilizing this program. Hundreds of rations were run over a large part of the eastern third of Nebraska for producers, many of them calling long distance and doing rations over the phone.

### 16. National eXtension

Wrote pre-proposal and full proposal for Beef Cattle Clearinghouse website

- Funded: \$150,000 (\$50,000 for three years)

Leader of the CoP (Community of Practice) for Beef Cattle Clearing House

Developed 360 questions and answers that were used to populate the original database

Developed 120 Timely Topics (Beef Tips) that were used to populate the original database

Edited 285 FAQ's in the eXtension Beef Cattle Clearing House database

Conduct monthly conference call

Developed and published beef cattle glossary that includes over 350 terms

I have resolved 490 questions; for 2014 resolved 10 questions

Pushed 800 questions and answers to the public site

Developed a twitter account

Redesigned and republished all low-performing: 2012

Invited Presentation:

1. **Rasby, R.** 2008. Beef Cattle Clearinghouse: An eXtension Website. ASAS/ASDS National Meeting, Invited Centennial Presentation, July 9, 2008. Indianapolis, IN.
2. Abstract: **Rasby, R.,** G. Selk, L. Anderson, R. Weaber, T. Marston, C. Wright, C. Mathis, G. Lardy, J. Whittier, D. Strohbehn, T. McCollum, S. Paisley, C. Lane, and D. Hamernik. 2008. Beef Cattle Clearinghouse: An eXtension Website. J. Anim. Sci. Vol. 86, E-Suppl. 2/J. Dairy Sci. Vol. 91, E-Suppl. 1. Pg 370. Abstract #432.

3. **Rasby, R.** 2008. Integrating eXtension into local agriculture extension programs: Beef Cattle Clearing House eXtension website. 2008 NACAA Workshop. July 15, 2008. Greensborough NC.
4. **Rasby, R.,** G. Selk, L. Anderson, R. Weaber, T. Marston, C. Wright, J. Paterson, C. Mathis, G. Lardy, J. Whittier, T. McCollum, C. Lane, and D. Hamernik. 2009. Beef Cattle Clearinghouse-Success and Future Direction. 2009 eXtension National Conference.

### **17. International Beef Marketing**

Joint educational effort with the Nebraska Department of Ag

Developed news release

Developed with marketing plan

Co-developed Power Point presentation

Breeze broadcast - International Beef Marketing Opportunities, September 17, 2007

Market Journal Program - Verification is key to foreign markets, April 4, 2007

Co-developed a satellite program - International Beef Marketing Opportunities, October 3, 2007

Coordinated transfer of all information onto our beef website <http://beef.unl.edu>

### **18. Addressing High Input Costs in the Beef Industry**

**Impact:** High inputs cost have challenged the beef cattle industry. High feed, fuel, fertilizer, and other costs have impacted profit potential in the cow/calf, backgrounding, and feedlot enterprises. Judson Vasconcelos (Feedlot) and I (Cow/calf) co-lead the Extension Initiative: Surviving High Input Costs in The Beef Enterprise.

Planning approach:

- Conference Call with industry stakeholders: August 20, 2008
- Breeze Session with Extension Educators - September 28, 2008
- Profit Tips on Beef web Site: Coordinated by Rasby
  - Cow/calf - 17 Tips (Rasby wrote 10)
  - Feedlot - 11 Tips
  - Economics and Marketing - 7
- Coordinated 12 state-wide Producer Meetings - Co-sponsored with Nebraska Cattlemen
- Coordinated with Don McCabe at the Nebraska Farmer Magazine to run a "Profit Tip" monthly in the magazine.

## **Research**

**1. Marbling Project:** Primary Investigator. This project was conducted at the Dalbey-Halleck Cow/Calf research Unit. This project evaluated the genetics available to produce highly marbled, lean beef. The conclusion of this experiment indicated that by using EPD's, highly marbled lean beef can be produced. This research has direct impact on producers in Nebraska and nationally. This information can be used to meet consumers' demand to reduce fat in their diets, yet not sacrifice taste and flavor. Also, the information is available to do this genetically.

**2. Mineral Project:** Co-Investigator: This project was conducted at the Dalbey-Halleck Cow/Calf research Unit and involved monitoring plant mineral content and liver mineral content of the cattle throughout the year. We have a profile of the minerals at that location and have data to help Nebraska producers with sampling techniques to determine mineral needs at a location. This research has direct impact on producers in Nebraska and nationally. Mineral cost can be high in some cow/calf enterprises and the research is lacking in the trace mineral area. This information can have direct impact on profit potential in the cow/calf enterprise.

**3. Weaning Project:** Primary Investigator: This project was conducted at the Dalbey-Halleck Cow/Calf research Unit. The data indicated that weaning time influences cow weight and

body condition and that early weaning can reduce cow costs. However, early weaning shifts cost to the calf and the heifer development enterprises. When these weaning times are evaluated as a system, our data says that the early weaned calf must be retained past weaning to increase profit potential. The early weaned calf is not heavy enough at weaning to pay for the cow costs. In addition, producers must investigate economical avenues to develop the early weaned replacement heifer if this management practice is used. The early weaned calf is efficient in the feedlot with a high percentage grading USDA Quality Grade of Choice. It appears that when cull cows and heifers and finished steers are sold seem to drive the economics of each system. As producers seek out management tools to reduce inputs and increase profit potential of the cow/calf enterprise, this research points out the critical items to consider when considering this type of management change. This information can have impact in Nebraska and nationally. As producer seek ways to reduce costs and increase profit potential, this research will be used in the decision making process. This research is in direct response to producers' request for systems research.

- 4. Estrous Synchronization:** Co-Investigator: This project was conducted at the Dalbey-Halleck Cow/Calf research Unit. Experiments were conducted to evaluate induction of puberty in heifers and new estrous synchronization regimens on reproductive performance. The estrous synchronization experiments investigated ways to control the estrous cycle by controlling the follicular waves that occur during the estrous cycle instead of controlling the corpus luteum of the ovary which has traditionally been done. This research will impact cow/calf production management in the United States and wherever beef cattle are raised.
- 5. Value Added Beef Systems:** Primary Investigator: This project was conducted at the Dalbey-Halleck Cow/Calf research Unit. Cow/calf systems research where production is tied to the economics of each system has not been extensively research and reported in the literature. The current and past experiments evaluate cow/calf systems where dollars generated in the system could remain in local communities and therefore, influence economic viability of communities. The data suggests that profit potential increases as grazing opportunities are incorporated into the calf backgrounding and cow nutrition program. The number of days steers spent in the feedlot decrease as grazing days increase. Also, the system that sells the most carcass weight, without carcass discounts, has the greatest potential for profit. The results from the carcass composition and eating characteristics indicates that the calf-fed system produced steaks that were more tender and that after 21 days of aging, steaks produced in the yearling system were similar to the calf-fed system.
- 6. Evaluation of Environmental Effects on Reproduction in Beef Cows:** Primary Co-Investigator: This project was conducted at the Dalbey-Halleck Cow/Calf research Unit. Many previous studies have been dedicated to showing the effects of extreme environmental conditions on PR in beef cows, yet many of these studies have been done in controlled environmental chambers. This study quantified the effects of temperature-humidity index (THI) on PR in beef cows. Pregnancy rate was determined for the first 30d, 60d and the entire breeding season, and then correlated to corresponding THI values. A THI greater than 65 for the first 30d of the breeding season reduced PR, while THI during 60d and the entire breeding season did not affect pregnancy rate. A 60d THI greater than 70 tended to decrease PR. If the breeding season is long enough, beef cows have the ability to adjust to high THI values, such that PR in beef cow herds is not compromised. We modeled effects on environmental temperature and humidity on body temperatures in beef females. We used a logger devise attached to a modified CIDR and recorded rectal body temperatures. In addition, we used these reading to model body temperatures using a sin cosin equation. Determined the correlation when body temperatures were recorded vaginally or tympanically;  $r=.83$ .
- 7. Supplementation of Corn Germ to Beef Cows:** Primary Investigator: This project was conducted at the Dalbey-Halleck Cow/Calf research Unit. The effects of feeding dietary lipid from whole corn germ to beef cows have not been reported. Involvement of leptin in



gonadotropin secretion and the effects of lipid on leptin production warrant investigation of leptin as a link between dietary fat and reproduction. The objectives of this study were to determine if providing supplemental lipid from whole corn germ to beef cows pre- or postpartum affects the proportion of cows cyclic at initiation of the breeding season, pregnancy rate, calving interval, and to evaluate if circulating leptin concentration is affected by lipid supplementation. Supplementing cows with 0.40 kg/d of fat from whole corn germ for approximately 45 d during late gestation or postpartum does not improve pregnancy rates or the number of cows exhibiting ovarian activity before the breeding season. However, prepartum supplementation reduced calving interval by about 10 d, without concomitant differences in BCS or condition change.

- 8. Determine cow performance when supplemented a distillers based cube to meet the protein and energy deficiencies for beef cows in mid to late gestating grazing corn crop residue in the winter:** Primary Investigator: This project was conducted at the Dalbey-Halleck Cow/Calf research Unit. A 4-year study was conducted to determine the effect of excess undegradable intake protein supplementation using a cube that is 2/3 dried distillers grains (DDG) and the effect of protein and energy supplementation to beef cows in late gestation on cow and calf performance. Data suggest that excess DIP has a negative effect on reproductive performance. In addition, data suggest that mid to late gestating beef cows are deficient in protein, then deficient in both protein and energy late in gestation while grazing corn stalk residue. Feeding a supplement containing DDG did not influence calf birth and weaning weights, cow body weight prior to calving, and calving interval. Cow body condition score and percentage of cows cyclic prior to breeding increased for supplemented cows.
- 9. Determine cow performance when dry-lotted and fed wet distillers grains and distillers solubles bunkered with ground corn stalks:** Primary Investigator: Grain byproducts from the ethanol industry are a viable source of nutrients for cows and could be used with low quality forages to provide a limit-fed ration that meets maintenance requirements. The objective of this experiment was to evaluate the performance of non-lactating, non-pregnant beef cows limit-fed grain byproducts compared with an ad libitum forage diet. This information would be used by producers utilizing a dry-lot cow/calf enterprise or an alternative for managing cows in a drought situation. An experiment was conducted using 70 cows to evaluate performance when limit limit-fed grain byproducts. Cows in the wet distillers grains plus solubles (WDGS) treatment group and those in the distillers solubles (DS) treatment group were limit fed a diet containing 41% byproduct and 59% cornstalks. The control (CON) treatment consisted of ad libitum intake of 43% brome hay, 34% cornstalks and 23% alfalfa haylage. Cows fed WDGS were heavier compared to those in the DS and CON treatment groups. Average daily gain (ADG) tended to be greater for WDGS treatment compared to the CON treatment. These data suggest that performance of cows limit-fed either WDGS or DS stored in a bunker is similar to that of cows fed an ad libitum forage diet.
- 10. Determine calf performance when fed combinations of wet distillers grains and distillers solubles stored in and ag bag:** Co-primary investigator: Previous research has shown WDGS can be mixed with dry forages and stored in silo bags. The objectives of this study were to: 1) evaluate ensiled solubles and ensiled and nonensiled WDGS with wheat straw and their impact on performance of growing calves; and 2) compare blends of ensiled WDGS and solubles on performance of growing calves versus feeding ensiled byproducts alone. A growing study compared wet distillers grains plus solubles (WDGS) and solubles ensiled with wheat straw individually fed to crossbred steers. Four blends of ensiled distillers grain and solubles were used to compare performance on growing calves versus feeding ensiled byproducts alone. Increasing the level of distillers grains in the diet increased average daily gain (ADG) and dry matter intake (DMI). The nonensiled distillers grain treatments had at

- least equal ADG and feed-to-gain ratio (F:G) compared to the ensiled treatments.
- 11. Determine performance of heifers who's dams were supplemented a distillers based cube to meet the protein and energy deficiencies the last 90 days of gestation while grazing corn crop residue in the winter:** Primary Investigator: This project was conducted at the Dalbey-Halleck Cow/Calf research Unit. Dams were either supplemented a distillers based cube that was 25% crude protein 90 days prior to calving while grazing cornstalk residue or not supplemented. Supplemented cows were fed 2.2 lb/hd/da dry matter basis of the cube. There was no difference in weight and ADG at weaning or any time post weaning when comparing heifers from dams that were supplemented or not supplemented 90 days prior to calving. There was no difference in age at puberty, estrus response to synchronization, time from the end of the synchronization protocol to estrus, A.I. conception rate, A.I. pregnancy rate, and overall pregnancy rate when comparing heifers from dams that were supplemented or not supplemented 90 days prior to calving. We conclude that there is no or limited fetal programming effect on heifer progeny who had dams supplemented protein 90 days prior to calving.
  - 12. Determine nutrient quality of medium quality forages sprayed with Corn Condensed Distillers Soluble prior to baling:** Primary Investigator: This project was conducted at the Dalbey-Halleck Cow/Calf Research Unit. Issues associated with applying CCDS to hay were not encountered, but 32% windrows were more difficult to bale. We had no baling issues when CCDS was applied at 16% or 20% rates. Additional drying time beyond that allowed in the current study may be necessary when levels greater than 25% are applied. In both experiments, bales wrapped, handled, and kept adequately for several months post-baling. Applying CCDS to grass hay windrows before baling had no impact on DM or subsequent heat production. Improvement of nutrient values implies windrow application is an effective storage method. This strategy could be utilized to increase the quality of low to medium quality forages.
  - 13. Determine performance of heifers fed a diet of hay sprayed with Corn Condensed Distillers Soluble prior to baling:** Primary Investigator: This project was conducted at the Dalbey-Halleck Cow/Calf Research Unit. No difference in weight gain and reproductive performance between heifers developed on hay sprayed with CCDS at hay harvest prior to baling compared to heifers developed on DDGS plus hay.
  - 14. Determine performance of calves individually fed a diet of hay sprayed with Corn Condensed Distillers Soluble prior to baling:** Primary Investigator: This project was conducted in the I-Barn at ARDC, Mead. Two experiments evaluated the feeding value of grass hay bales previously treated with CCDS in growing cattle diets. In Experiment 1, heifers fed bales treated with 20% CCDS (DM) gained less than those fed an equal level of dried distillers grains plus solubles and nontreated hay. In Experiment 2, ADG and F:G linearly improved with increasing CCDS levels. Furthermore, supplementing cattle to meet metabolizable protein requirements when fed diets of CCDS and hay did not improve ADG at levels greater than 15% CCDS. Data indicate hay bales previously treated with CCDS are adequate for use in growing diets, confirming that within-bale storage is a viable method for CCDS.
  - 15. Determine performance of heifers finished on vegetative pasture and creep-fed dried.** Co-investigator. A 2-yr study compared a traditional system of grazing yearlings followed by a grain-based drylot finishing program to a system using a self-fed dried distillers grain supplement during a spring/summer/fall pasture grazing season. The self-fed (SF) heifers had greater ADG and ending BW on pasture, but the traditionally managed heifers had greater final BW and HCW. At harvest, SF heifers had greater 12<sup>th</sup> rib back fat. When data were adjusted to a common empty body fat, carcass weight and marbling score were greater for traditionally managed heifers.

- 16. Beef Systems from weaning to harvest using secondary forage crops and corn residue as a component of the system during the backgrounding phase.** Developed the initial research project and garnered \$230,000 internal grant – UNL/IANR and MARC. When Mary Drewnoski was hired, turned this project over to Mary.

## **Extension Administration Accomplishments: 2016 to 2023**

### **Interviewing Human Resources for Extension**

- 1. Search committee Chair (41 in total) or Co- Chair:** Domestic Water/Watershed Extension Educator. Lancaster Co.; State Master Gardner. EC; Search Committee. Beef Educator Saunders Co. (3 different educator: Chichester, Ulmer, Biehler); Cropping Systems. Merrick-Hamilton; Cropping Systems. Clay Co.; Extension Educator Farm and Ranch Management Analytics (4 separate candidates, finally hire McClure); Plant and Pest Diagnostics; Agriculture Systems Economist – NEREC; Extension Educator Agriculture Systems Economist – WCREC; Extension Educator Agriculture Systems Economist – ENREC; Beef Systems, Cherry County, Beef Systems, Cuming County, Beef Systems Johnson County; Beef Systems BKR; Beef Systems Webster (Schick and Waetcher-Mead), Beef Systems Nance (Schick, Milby); Beef Systems Cedar; CE Dodge; CE Cass; CE Douglas; CE Lancaster; CE Washington; Cropping Systems Clay; Cropping Systems Burt; Plant Diagnostician; Domestic Water; Insect Diagnostician; Manure Management, Bazil; Pesticide Coordinator;
- 2. Met Individually during the interview process:** Biologocal Systems Engineering, Meats Specialist; Animal Behavior; PREEC Feedlot; WCREEC Cow/calf; Justin McMechan
- 3. Building Capacity Workshops: Objective: Survey Educators to determine 1 or 2 areas that they would like in-depth training to bring greater value to the clientele that they serve. 2. Bring Educators and Specialist together to build greater relationships.** 2018 designed and deliver a 2-day workshop for Beef Systems, Cropping and Water, and Community Environment educators. 87% of the Educators surveyed said they gained knowledge so they could better serve clientele and they would attend one of these workshops annually. Beef focused on NRC for Beef Cattle and Grazing strategies. 2019 Beef Systems, Cropping Systems, CE – Focus on Digital Ag and Manure management. 2020 – 2021 – Beef “Systems Thinking” Brain Vander Ley and Craig Payne. 2022 Beef – GHG, Beef Selection Tools, Adaptive Management. 2023 – Beef – Adult Learners – Nathan Conner.
- 4. Beef Boot Camp: Beef Systems Educators – Boot Camp #1 2018 - 2019; Boot Camp #2 2022-2023. Why:** Focusing resources and a comprehensive on-boarding program on **new faculty** will result in faculty having greater success and satisfaction early in their careers, faculty that will be better prepared to serve their clientele, will result in a dynamic and robust and creative extension team, and build a culture in Extension that faculty will want to be part of. Building success early in an Extension career, leads to higher job satisfaction, and longer retention of faculty. New Beef Systems Educators committed to 1.5 years. Four face to face meetings and 6 ZOOM meetings.
- 5. 2x monthly ZOOMs with Beef Systems Educators.** Initiated this to allow for team building, get beef systems educators new to the systems better acquainted the team, answer questions, talk about challenges and opportunities. 1.5 hour ZOOMs on the 1<sup>st</sup> and 3<sup>rd</sup> Thursday mornings.
- 6. Meeting with Stakeholders that I initiated:** Nebraska Corn Board; Kelly Brukhorst; Wheat Board; Royce Schaneman; Nebraska Pork Producers; Al Juhnke; Nebraska Soybean Board; Victor Bohuslavsky; Ethanol Board; Todd Sneller; Nebraska Cattlemen; Pete McClymont; Nebraska Grain Sorghum Board; Barbara Klimen; NE Beef Council; Ann Marie Boshamer; Johnson – Nebraska Dairy. The focus of the meetings was to introduce myself and share some of my goals. This was received well.
- 7. Meeting with Department Heads, district Directors, and Extension Faculty– that I initiated:** John Carrol; Clayton Kelling, Dave Jones, Martha Mamo, Curtis Weller, Clint Krehbiel, Larry Van Tassel, Jack Whittier, Kelly Bruns. Introduced myself, discussed expectations of specialist,

relationship building with Extension Educators, co-programming opportunities with Educators. I also wrote a document titled “Expectations of Specialists”.

8. **Issue Team Coaching and Beef Systems Coaching:** Coached Beef Systems, Cropping Systems and CE educators – mostly discussed Excellence in Extension. 2020 – 2023 coached 19 direct reports (Educators) – annual meeting to discuss performance and mid-year meeting to discuss progress on goals and objective and needs.
9. **Regional Food Systems:** Dean Hibberd ask me to lead a group to develop a Food Systems Initiative that has an Extension thrust. There were bits and pieces of a “food systems” group within Extension but was disjointed. I developed a “needs assessment” document than developed a team to help lead the initiative – Rick Rasby Leader, John Westra, Dave Ulferts, Jean Ann Fisher, Vanessa Wielenga, and John Porter. **Regional Food Systems – Eastern Nebraska - Why:** There are Nebraskans that;; Seek locally produced foods to support a more diverse, flavorful, and/or nutritious diet; Want to make a living producing food (vegetables, fruits, eggs, dairy, cheese, meats) for human consumption with an emphasis on local distribution and consumption; Seek a low input, sustainable food production approach consistent with their values; Want to grow Nebraska’s economy (jobs, new businesses, grow existing businesses) associated with Regional Foods such as fruits, vegetables, eggs, dairy, cheese and meat, and ancillary service businesses. **What:** Extensions role in providing a healthy diet for Nebraskans. Nebraska Extension will provide educational resources, expertise, and network support to assist Nebraskans in producing and consuming sustainable and regional foods using innovative strategies for production, processing, marketing, distribution and preparation. **How:** Develop a framework that maps Extension’s capacity, identify the issues, and outline programming and delivery methods that result in the greatest impact in Regional Food Systems. We mapped the expertise within Nebraska Extension. Sent out an invitation to all Extension to attend an informational meeting and gather insight as to what was currently being done. Mapped out future. Had a meeting that included external partners. In the second year, Chuck committed \$25,000 per year for 4 years. Also filled a position in Cass and Washington Counties that had regional foods responsibility. I meet monthly with the team that would lead this initiative for the first year. It is now a functional and impactful team.
10. **COSTCO poultry and beef interest.** AFAN present information on COSTCO bring poultry industry to NE. Designed Meetings: Result – engaged a group of specialists to develop Livestock & Poultry Expansion: Critical Issue for Discussion with Farmers & Communities. For educators - Products Developed; 8 webinars; 1 site visit; 12 extension educators participants. Leads: **Rick Rasby**, Rick Koelsch, Amy Schmidt, Rick Stowell, Willow Holoubek – AFAN
  - a. AFAN came to UNL requesting to help formulize COSTCO interest to build an Organic Beef component in their company. Developed 3 meeting wirth COSTCO and UNL - Result – engaged in discussion to conduct research so COSTCO can make a multi-million decision regarding organic beef production- Products produced, Research proposal. Leads players - Rick Rasby, Galen Erickson, Dennis Burson, Willow Holoubek – AFAN
11. Developed MOU for Bazil and NRD, MOU for NRCS.
12. **Represented Extension Administration -** Climate Change Seminar. Senator Ken Haar. Nebraska Innovation Campus; Weed Management Field Day. Clay Center; Green Acres Cover Crop/Ficke Cattle Company. Milford; North Central Extension Risk Management Education. Lincoln; Climate Assessment Response Committee. Hardin Hall; Animal Health in the Heartland. UNMC. Omaha; NRCS. Craig Dericksen; Soybean Management Field Day. Schuyler; USMARC Research Update for Nebraska and Kansas Livestock Associations. Clay Center; NE Soybean Board Meeting. Lincoln; National Association State Directors of Agriculture. Lincoln; Land and Tenure and the Next Generation of Ag. USDA. Hardin Hall; Coordinating Committee Meeting for the NE Cooperative Fish and Wildlife Research Unit. Lincoln; AFAN Annual Meeting. Lincoln; Northern Plains Climate Hub Retreat. Fargo; Annual Meeting of the Corn and Soybean Grower Association. Lincoln; Nebraska Cattlemen Annual Meeting. Kearney; Norther Plains

Climate Hub – Building Blocks Meeting. Lincoln Monthly Conference Calls: Northern Plains Climate Hub and North Central Water Network

13. **North Central Agriculture and Natural Resource Program Leaders;** Professional Development; Poverty. Indianapolis, IN. October 5-7; Addressing the downturn in the Agriculture sector. Manhattan, KS. June 7-10; Networking (2 hour ZOOM meeting the 2<sup>nd</sup> Monday each month). Products Developed: 2016. North Central Cropping Systems Academy. December 6-8. Des Moines, IA; 2016. Financial Management Workshop for ANR Agents/Educators. Assisting farmers in times of tight Margins. November 10-11. Beck Agr. Center. West Lafayette, IN; November 17-18. Magnolia Hotel. Omaha; 2017. North Central Cropping Systems Academy. March 14-16. Purdue University; September 13-15 – Michigan State University; December 13-15. TBA; Water Academy 2019 – 2022 – member of the design and delivery team. Hosted in Omaha in February 2019.
14. **Federal Report:** Co-wrote the Extension component.
15. **Husker Harvest Days** – Contact in Ag Hall. Helped design UNL/IANR HHDs show – 2017 – 2023. Worked with UNL Procurement to develop bid process and selection of outside vendor that UNL will work with to deliver HHDs.
16. **Omaha Tribal** – Developed a Core team that included IANR and Omaha Tribe members to set up a communication portal. Designed and delivered monthly ZOOM meetings. Designed and delivered three annual meeting – 2020, 2021, and 2022 – two at UNL and one at Macy. Members on the team developed a \$660,000 USDA Small business grant. Primary objective: Omaha Community Vision - **owned by the people – connection to mother earth – strong spiritual connection – a means to be self-sustaining** – Spiritually, emotionally, and economical – frame for all to Omaha people to buy into. Food Sovereignty – comprehensive food system; Corporate Development; Cash cropping and Ranching; Tribal and within the US trade; Begin to build a plan and possible timeline to address the top 3 that the Tribe and UNL can partner on; Leadership development.
17. **Think Tank** – developed a Think Tank composed of Specialists that represented all departments in IANR and at the R&E Centers. The objective was that they could be informed of important items being discussed that would/could affect specialist in the department and that the representative could relay that to faculty member; and to investigate opportunities to build even better relationship between Educators and Specialist. This group was instrumental in developing the Capacity Building Workshops.

## **PUBLICATIONS**

### ***Master Thesis***

The Influence of Prepartum Nutrition on Blood Constituents and Postpartum Reproductive Performance of Beef Cows

### ***Ph.D. Dissertation***

Nutritional Regulation of Fetal Development and Pituitary, Ovarian, and Thyroid Function in Beef Cows

### ***Journal Articles***

1. Rakkar, M.K., H. Blanco-Canqui, **R.J. Rasby**, K. Ulmer, J. Cox-O'neil, M.E. Drewnoski, R.A. Drijber, J. Jenkins, and J.C. MacDonald. 2018. Grazing crop residue has less short-term impact on soil properties than baling in the Central Great Plains. 2018. Agronomy, Soils, and Environmental Quality. Agron. J. 110:1-13. doi:10.2134/agronj2018.
2. Ulmer, K.M., **R.J. Rasby**, J.C. MacDonald, H. Blanco-Canqui, M.K. Rakkar, J.L. Cox, R.G. Bondurant, and M.E. Drewnoski. 2018. Baling or grazing residue does not reduce crop production in central United States. Crop Economics, Production, and Management. 2018. Agron. J. 110:1-6. doi:10.2134/agronj2018.04.0226.
3. Cox-O'Neill, J.L., K. E. Hales, K. M. Ulmer, **R. J. Rasby**, J. Parsons, S. D. Shackelford, H. C.

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  6. Boyd, B.M., A. Jones, L. Franzen-Castle, K. Jenkins, **R. Rasby**, M. Luebbe, R. Stowell, S.C. Fernando, and G.E. Erickson. 2015. Case Study: Producer concerns and perceptions regarding the effect of methane on cattle production and the environment: *PAS* 31:601-607.
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  8. Warner, J.M., C.J. Schneider, G.E. Erickson, T.J. Klopfenstein, and **R.J. Rasby**. 2015. Applying corn condensed distillers solubles to hay windrows before baling: Effects on bale temperature, nutrient composition, and growing steer-calf performance. *PAS* 31:207-215.
  9. Warner, J.M., J.L. Martin, Z.C. Hall, L.M. Kovarik, K.J. Hanford, and **R.J. Rasby**. 2011. The effect of supplementing beef cows grazing cornstalk residue with a dried distillers grain based cube on cow and calf performance. *PAS* 27:540-546.
  10. Warner, J.M., L.M. Kovarik, M.K. Luebbe, G.E. Erickson, *PAS*, and **R.J. Rasby**. 2011. Limit feeding nonlactating, nonpregnant beef cows with bunkered wet distillers grains plus soluble or distillers soluble. *PAS* 27:456-460.
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### ***Departmental Publications***

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#### ***Book Chapter***

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2. **Rasby, R.** Early weaning beef calves. Veterinary Clinics of North America Food Animal Practice. 2007. 23:1. 29-40. Elsevier Saunders Inc., Philadelphia, London, Toronto, Montreal, Sydney, Tokyo.

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#### ***Proceedings***

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2. **Rasby, R.**, J.M. Warner, S.E. Gardine, K.H. Jenkins, and T.J. Klopfenstein. 2016. Economics of dry lotting beef cows. 49<sup>th</sup> Annual American Association of Bovine Practitioners. September 15-17. Charlotte, North Carolina.
3. **R.J. Rasby**, J.M. Warner, K.H. Jenkins, and T.J. Klopfenstein. 2015 Economics of alternative cow/calf production systems. Eng Cow Conference. September 17-18, 2015. Oklahoma City, OK.
4. J.M. Warner, K.H. Jenkins, **R.J. Rasby**, and T.J. Klopfenstein. 2015. Optimizing the use of corn residue for grazing and harvesting in intensified cow-calf production systems. Eng Cow Conference. September 17-18, 2015. Oklahoma City, OK.
5. **Rasby, R.** 2015. Mobile applications for livestock producers. 2015 Driftless Region Beef Conference, January 22-23, 2015. Dubuque, IA.
6. **Rasby, R.** 2015. Evaluating supplementation strategies. 2015 3-State Beef Conference, January 13-15, 2015. Creston, IA; Albany, MO; Beatrice, NE.
7. **Rasby, R.**, K.H. Jenkins, J. Warner, T. Klopfenstein. 2015. Managing beef cows in confinement. 2015 Northern States Beef Conference, January 4-5, 2015. Morton, MN.
8. K.H. Jenkins, J. Warner, **R. Rasby**, and T. Klopfenstein. 2014. Limiting feeding production cows in confinement. November 4-5, 2014. State of the Beef Cow Industry. North Platte, NE.

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10. **Rasby, R.** 2014. Alternative cow/calf enterprises. Three-State-Beef Conference. January 14-16. Creston, IA, Albany, MO, Ithaca, NE, Beatrice, NE.
11. **Rasby, R. and J. Warner.** 2013. Reproduction and early weaning of confined cows. Eng Cow-calf Conference. Alternative Methods of Improving Cow Efficiency in Times of Stress. September 12-13. Lincoln, NE.
12. **Rasby, R.** 2013. Dry lotting beef cows. 2013. Four-State Beef Conference. January 29, 2013. Beatrice, NE.
13. **Rasby, R.** 2013. Confinement feeding beef cows. 2013. 42<sup>nd</sup> Annual Cornbelt Cow-Calf Conference. January 19, 2013. Ottumwa, IA.
14. **Rasby, R.** 2013. Grazing corn residue with beef cows. 2013. Tri-State Cow/Calf Symposium. January 8, 2013. McCook, NE.
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16. **Rasby, R.** 2011. Role of forages in the changing beef industry. 2011 Missouri Forage and Grassland Council/GLCI Annual Conference. November 7-8, 2011. Lake Ozark, MO.
17. **Rasby, R.** 2011. Management strategies when early weaning beef calves. 2011 Academy of Veterinary Consultants. August 4-5, 2011. Colorado Springs, Co.
18. **Rasby, R.** 2011. Management consideration for the beef cows herd in drought conditions. 2011 Academy of Veterinary Consultants. August 4-5, 2011. Colorado Springs, CO.
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34. **Rasby, R.** 2007. Storage, handling issues and timely buying of co-products. Beef Cattle Co-Products Conference. November 28, 2007. Springfield, IL.
35. **Rasby, R.** 2007. Using co-products in growing and backgrounding diets. Beef Cattle Co-Products Conference. November 28, 2007. Springfield, IL.
36. Olson, K.C., **R. Rasby**, T. Schmidt, and J. Jaeger. 2007. Early weaning as a drought mitigation strategy for commercial beef cattle ranches. Western Nutrition Conference. September 25-27, 2007. Saakatoon, SK, Canada.
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## ***Extension Publications***

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2. Preparing the cow herd for cold weather: Energy needs of the herd. American Salers Magazine. January 2017.
3. Plan to reduce feed costs. . Ridin' Herd. Angus Journal. December 2016.
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5. UNL: Grazing doesn't affect corn yield. Nebraska Farmer. November 2016. In cooperation with Tammy Clark.
6. Corn residue removal by grazing. Ridin' Herd. Angus Journal. October 2016.
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8. Store hay in location that minimizes losses. Ridin' Herd. Angus Journal. September 2016.
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10. Be ahead of the curve for opportunities this summer. Ridin' Herd. Angus Journal. July 2016.
11. What information about minerals is on a feed tag? Ridin' Herd. Angus Journal. June 2016.
12. Determine a cow's value by her calves. Nebraska Farmer. June 2016. In cooperation with Robert Fears.
13. Summer mineral supplementation strategies. Ridin' Herd. Angus Journal. May 2016.
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81. Feeding cattle on sparse pasture. Drovers. June July 2012.
82. Take time to look at calving records. Angus Journal. Ridin' Herd. June 2012.
83. Mineral supplementation programs. Angus Journal. Ridin' Herd. May 2012.
84. Summer pasture is tight. Angus Journal. Ridin' Herd. April 2012.
85. Staying agile can help keep value on the ranch. Range & Pasture Steward. Dow AgroScience LLC. Spring 2012.
86. How Nebraska fits in changing beef industry picture. Nebraska Farmer. In cooperation with Don McCabe. April 2012.
87. Just how much forage does a beef cow consume each day? Angus Journal. Ridin' Herd. March 2012.
88. The growing need for forages. Feed-Lot; Stocker Special. In cooperation with Jill J. Dunkel. March 2012.
89. Prices rise in the beef industry. Omaha World Herald. In cooperation with Roger Buddenberg. February 2012.
90. Nutrition of the dam and the impact on male progeny. Angus Journal. Ridin' Herd. February 2012.
91. Corn market says we must do more with forages. Angus Journal. Ridin' Herd. January 2012.
92. Body condition scoring – A management practice that can't be overlooked. Angus Journal. Ridin' Herd. December 2011.
93. Prep for the cold: Make sure your cows are nutritionally ready. Working Ranch. November/December, 2011 (in cooperation with Gilda V. Bryant).
94. Buy supplements right. Angus Journal. Ridin' Herd. November 2011.
95. Forage costs and planning ahead. Angus Journal. Ridin' Herd. October 2011.
96. Nitrates in forages need to be managed during drought. Angus Journal. Ridin' Herd. September 2011.
97. A guide to udder and teat scoring beef cows. Angus Journal. August 2011.
98. Drought and forage quality. Angus Journal. Ridin' Herd. July 2011.
99. Creep feeding beef calves. Angus Journal. Ridin' Herd. June 2011.
100. Early weaning calves sometimes makes cents. Angus Journal. Ridin' Herd. May 2011.
101. Minerals for beef cows 101. Angus Journal. Ridin' Herd. April 2011.
102. Water, an important nutrient. Angus Journal. Ridin' Herd. March 2011.
103. Using salt to limit intake. Angus Journal. Ridin' Herd. February 2011.
104. Probe it now. Angus Journal. Ridin' Herd. January 2011.
105. Testing forages for beef cattle rations. Progressive forage grower. January 2011.
106. Grazing cornstalk residues – What do you need to supplement? Angus Journal. Ridin' Herd. December 2010.
107. How cow weight and milk output effect feed costs. Angus Journal. Ridin' Herd. November 2010.
108. How cow weight, milk affect revenue. Angus Journal. Ridin' Herd. October 2010.
109. Corn byproducts use in the beef cattle enterprise. Angus Journal. Ridin' Herd. September 2010.
110. How much is enough? Angus Journal. Ridin' Herd. August 2010.
111. Choosing when to creep your calves. Progressive Cattlemen. August 2010.
112. Have a drought management plan. Angus Journal. Ridin' Herd. July 2010.
113. This may be the summer to store DG. Angus Journal. Ridin' Herd. June 2010.
114. What if spring-calving cows are thin now? Angus Journal. Ridin' Herd. May 2010.
115. Did your nutrition program 'get'er done? Angus Journal. Ridin' Herd. April 2010.
116. Should I creep feed my calves? Angus Journal. Ridin' Herd. March 2010.

117. Give them a chance to be productive cows. Angus Journal. Ridin' Herd. February 2010.
118. Managing and developing young bulls. MT WY Salers News, February 2010.
119. Keep heifer development cost affordable. Angus Journal. Ridin' Herd. January 2010.
120. Score them now. Angus Journal. Ridin' Herd. December 2009.
121. Testing forages for quality makes cents. Angus Journal. Ridin' Herd. November 2009.
122. Direct, indirect effects of supplementation strategies. Angus Journal. Ridin' Herd. October 2009.
123. Feed tag basics 101 - the finale. Angus Journal. Ridin' Herd. September 2009.
124. What the feed tag says. Ozark Farm & Neighbor. September 2009.
125. Dissecting a feed tag. Angus Journal. Ridin' Herd. August 2009.
126. What does a feed tag tell you? Angus Journal. Ridin' Herd. July 2009.
127. Teat and udder scoring beef cows. Bagpipe. Summer Issue, 2009.
128. What size fits? Angus Journal. Ridin' Herd. June 2009.
129. An alternative to an expensive summer. Angus Journal. Ridin' Herd. May 2009.
130. Strategies of supplementation II. Angus Journal. Ridin' Herd. April 2009.
131. Strategies of supplementation. Angus Journal. Ridin' Herd. March 2009.
132. Lower overall costs with summer calving. Nebraska Farmer. March 2009
133. Keep the young ones separate. Angus Journal. Ridin' herd. February, 2009
134. Seven steps to carefree calving. Progressive Farmer. January/February, 2009. (In cooperation with Boyd Kidwell)
135. Nutrition is key. Progressive Farmer. January/February, 2009. (In cooperation with Boyd Kidwell)
136. Forage feeding losses. Nebraska Farmer. January/February, 2009.
137. Increasing revenue by managing body condition. Angus Journal. Ridin' Herd. December 2008.
138. Understanding forage analysis. Angus Journal. Ridin' Herd. November 2008.
139. Understanding a forage analysis I. Angus Journal. Ridin' Herd. October 2008.
140. Condition cows early. Angus Journal. Ridin' Herd. September 2008.
141. Reduce forage losses. Angus Journal. Ridin' Herd. August 2008.
142. Be prepared for opportunities this summer. Angus Journal. Ridin' Herd. July 2008.
143. Symposium discusses ensiling, feeding distiller grains. Progressive Dairyman, July 2008. (In cooperation with Alan Harrison)
144. Early planning will pay dividends. Angus Journal. Ridin' Herd. June 2008.
145. Knowledge is power. Angus Journal. Ridin' Herd. May 2008.
146. Learn to manage corn co-products in cattle rations. Angus Journal. May 2008. (in cooperation with Barb Anderson)
147. Summer mineral considerations. Angus Journal. Ridin' Herd. April 2008.
148. Mineral consideration. Nation Cattlemen. April 2008.
149. What's a supplement to do? Angus Journal. Ridin' Herd. March 2008.
150. Grass tetany season is here. Progressive Farmer. March 2008. (in cooperation with Becky Mills)
151. Give them a little extra. Angus Journal. Ridin' Herd. February 2008.
152. Methods of storing wet distillers grain in summer for winter use. February 2008. MidAmerican Farmer Grower. (in cooperation with Betty Gegg)
153. Keep heifer development costs in check. Angus Journal. Ridin' Herd. January 2008.
154. Distillers grains for heifer development. Angus Beef Bulletin. January 2008.
155. Cow-Calf Calendar. Nebraska Farmer. Jan, Feb, March, April, June, July, Aug., Sept. Oct., Nov., December 2008
156. Ready your herd for breeding season. Angus Journal. Ridin' Herd. December 2007.
157. Winterize your cow herd: Steps to improve productivity and health of cow and calf. Drovers. November 2007. (in cooperation with Kim Watson).
158. Take advantage of crop residue. Angus Journal. Ridin' Herd. November 2007.
159. Drought management, early weaning. Angus Journal. Ridin' Herd. October 2007.
160. Understanding a feed analysis - part 2. Angus Journal. Ridin' Herd. September 2007.
161. Understanding a feed analysis. Angus Journal. Ridin' Herd. August 2007.

162. Feeding for rebreeding. Progressive Farmer. Spring 2007. (In cooperation with Del Deterling/Jim Philips)
163. Effects of replacement rate on cow herd budget. National Cattlemen Magazine. August 2007. (In cooperation with Darrell Mark).
164. Don't spill the solubles. Angus Journal. Ridin' Herd. July 2007.
165. Distillers grains as pasture supplement. Angus Journal. Ridin' Herd. June 2007.
166. Costs continue to rise. Angus Journal. Ridin' Herd. May 2007.
167. Will flushing solve nutrition woes? Angus Journal. Ridin' Herd. April 2007.
168. Don't let'em slide after calving. Angus Journal. Ridin' Herd. March 2007.
169. Beef cow nutrition basics. Angus Journal. Ridin' Herd. February 2007.
170. Precalving fat supplementation. Angus Journal. Ridin' Herd. January 2007.
171. Cow-Calf Calendar. Nebraska Farmer. Jan, Feb, April, June, July, Aug., Sept. Oct., Nov., Dec., 2007
172. Distillers grains for heifer development. Angus Journal. Ridin' Herd. December 2006.
173. Drought corn silage in beef cow diets. Angus Journal. Ridin' Herd. November 2006.
174. Start planning now for winter feeding program. Angus Journal. Ridin' Herd. October 2006.
175. Using corn milling co-products. National Cattlemen. Producer Education, Fall 2006 (in cooperation with Erickson, Klopfenstein, Adams, Rasby)
176. How to create a grazing plan and set stocking rates on crop residues. Nebraska Farmer. September 2006.
177. Studies debunk cornstalk grazing myths. Nebraska Farmer. September 2006
178. Ethanol powered cows. Beef Magazine. September 2006
179. Just bag it. Angus Journal Ridin' Herd. September 2006.
180. Effect of cow weight, milk level on nutrient requirements. Angus Journal. Ridin' Herd. August 2006.
181. Managing body condition is a key to success. Angus Journal. Ridin' Herd. July 2006.
182. A management system to attach feed costs. Angus Journal. Ridin' Herd. June 2006.
183. Ammoniating crop residue as a feed resource. Angus Journal. Ridin' Herd. May 2006.
184. When summer grass is not an option. Angus Journal. Ridin' Herd. April 2006.
185. To creep or not to creep. Angus Journal. Ridin' Herd. March 2006
186. Forage feeding losses can add up. Angus Journal. Ridin' Herd. February 2006
187. Using a forage analysis. Angus Journal. Ridin' Herd. January 2006.
188. Nutritional content of crop residues. Beef Magazine. January 2006.
189. Cow-Calf Calendar. Nebraska Farmer. Jan, Feb, April, June, July, Aug., Sept. Oct., Nov., Dec. 2006
190. Feeding of distillers grains to beef cattle. Distillers Grains Quarterly. January 2006. (In cooperation with G.E. Erickson, T.J. Klopfenstein, D.C. Adams, and **R.J. Rasby**)
191. Using crop residues as winter feeds: Part 2. Angus Journal Ridin' Herd. December 2005.
192. Cow-Calf Calendar. Nebraska Farmer. Jan, Feb, April, June, July, Aug., Sept. Oct., Nov., Dec., 2005.
193. Chomp! Take a bite out of your winter fed bill. Drovers. November, 2005. (in cooperation with Kim Watson)
194. Test forages to save dollars. Angus Journal, Ridin' Herd. November 2005.
195. Using corn co-products in beef cow diets. Angus Journal, Ridin' Herd. October 2005.
196. Five steps to cut costs. Nebraska Farmer. September 2005 (In cooperation with Don McCabe).
197. Corn co-products. Angus Journal, Ridin' Herd. August 2005.
198. Have a drought management plan. Angus Journal, Ridin' Herd. July 2005.
199. Creep-feeding economics. Drovers. June 2005. (In cooperation with J. Maday).
200. Mineral Supplementation. Angus Journal, Ridin' Herd. May 2005.
201. Nutrition for the first-calf female. Angus Journal, Ridin' Herd. April 2005.
202. Production records for the commercial cow/calf enterprise. Nebraska Cattlemen Magazine.



March 2005.

203. Feeding the cowherd. Angus Journal, Ridin' Herd. March 2005.
204. Male reproduction consideration. Beef Cow/calf Weekly. March 2004.
205. Four ways to cut summer costs. Nebraska Farmer. March 2004. (In cooperation with Bill Spiegall).
206. The key times to condition score your cows. Beef Cow/calf Weekly. February 2004.
207. The "best" time to castrate. Drovers. February 2004.
208. 10 ways to improve reproductive efficiency in young cows. Helping heifers over the hump. Drovers. February 2004. (In cooperation with Kim Watson).
209. What's in the water. John Deere Magazine. January 2004. (In cooperation with Rodney Gasch)
210. Warm bath: Cold calves. Drovers. January 2003.
211. Test baled corn stalks. Drovers. January 2003
212. Cattle grazing soybean stubble may be short on protein. September, 2003. Beef Cow/Calf Weekly.
213. Grazing corn stalk residue. September, 2003. Beef Cow/Calf Weekly.
214. Get 'em eating right: Nutrition at weaning is an important step in preparing calves for their future roles in the seedstock industry. October 2003. Angus Journal and Angus Beef Bulletin (In cooperation with Corinne).
215. Got protein? October 2003. Beef.
216. TLC for cows: Careful management of cattle, hay and pasture needed to minimize drought impact. Nebraska Farmer. October 2002. (In cooperation with Ann Toner).
217. Changing weaning age could increase profits. Western Livestock Journal. August, 2001. (In cooperation with Sarah Roen).
218. Striking a balance. Beef. February 2001. (In cooperation with Torell and Clint Peck).
219. Limit-feeding cows. Drovers. January 2001.
220. Carcass Value. SimTalk. Volume 9: Number1.
221. How brown now, cow? Nebraska Farmer, August, 2000 (in cooperation with Ann Toner).
222. Cow/Calf Perspective of Selecting for Marbling verses Leanness. The Register, April, 1999.
223. Mild Weather; Profits, Problems. Drovers, May 1999.
224. Early Weaning Pros and Cons. Nebraska Farmer, June 1998. (In cooperation with Don McCabe)
225. Carcass Value. The Register, November 1998.
226. Early Weaning May Improve Both Cow and Calf Performance. Feedstuff, December, 1998. (In cooperation with Michael Howie)
227. Five Years of Calf Weaning Data. Endeavors, 1997-1998. (in cooperation with Vicky Miller)
228. When to wean? Study tracks trade-offs. Research Nebraska. September 1998. (In cooperation with Dan Holder)
229. What's quality beef. The Register. November 1998.
230. Body condition scoring: Nutrition when it counts. National Cattlemen (in cooperation with Curt Olson). October 1998.
231. Body condition scoring. Part II: Using nutritional management to even the score. **R. Rasby** and J. Gosey. The Register, March, 1998.
232. Body condition scoring beef cows. Part I: What's the score in your herd. **R. Rasby** and J. Gosey. The Register, February, 1998.
233. Winter feeding programs for beef cows. National Cattlemen (in cooperation with Curt Olson), January, 1998.
234. Bloat prevention and treatment. The Feedlot Technology and Training Connection (in cooperation with Michelle Maronn), December, 1997.
235. Saving cold cash on winter feed. Drovers Journal (in cooperation with Jason Gerke), October, 1997.
236. Developing replacements. Pecuaría De Corte(Brazilian Beef Magazine), August, 1996.

237. Using records when selecting replacements. Hereford (Brazilian Hereford Magazine), June, 1996.
238. Selecting replacement heifers. 1996. Pecuaría De Corte (Brazilian Beef Magazine), June/July, 1996.
239. Banking on early maturity. Top Performance (In cooperation with Carl Zimmerman). Spring, 1996.
240. Protecting their own. Beef (In cooperation with Shauna Rose Hermel), January, 1996.
241. Start her right, keep her right. Pasture Performance (In cooperation with Carl Zimmerman). Fall 1995.
242. Switchgrass: earning a new reputation. Nebraska Farmer (in cooperation with Amanda Marney). November 1995.
243. Beating the odds. Beef Today (in cooperation with Becky Mills). Fall 1995.
244. How to apply carcass data to your herd (in cooperation with Greg Lamp). BEEF Spring, 1994.
245. A New Tool in Sire Selection: Carcass EPD's. Drovers Journal (in cooperation with Kim Watson). May 1994.
246. 179. Evaluation of Genetic Resources to Produce Highly Marbled Lean Beef. CAB Newsletter (in cooperation with Larry Dorsey). January 1993.
247. Marbling EPD's Make the Grade. Farm Journal's Beef Today (in cooperation with Becky Mills).
248. Well-bred beef has good taste. Genetics of bulls key to saving marbling, losing fat. Research Nebraska (in cooperation with Vicki Miller). March 1993.
249. Correlation between outside fat and marbling being studied. Synergy (in cooperation with Larry Dorsey) Winter 1993.
250. Integrated Resource Management In Nebraska. Integrated Resource Management News. Volume 2, Issue 4, Spring 1992.
251. IRM Team Yields Home-Grown Ideas. Nebraska Farmer (in cooperation with Don McCabe). July 1992.
252. Challenge: Find the Weak Links, Cut Costs That Leave Production Intact. Nebraska Cattlemen Magazine (in cooperation with Mike Fitzgerald). December 1991.
253. IRM Helps Identify and Correct Production Problems. MSGAGVET NEWS, 1992.
254. A Team Effort. Nebraska Farmer (in cooperation with Mary Crawford). May, 1991.
255. Five Years to Better Efficiency. BEEF, Spring, 1991.
256. Low-Cost Changes In Management Can Pay Big Beef Dividends. Sensible Agriculture, Vol. 2., No. 1, January (in cooperation with Greg Northcutt).
257. IRM -- A Concept That's Time Has Come. The Nebraska Cattleman, January, 1990. (In cooperation with Bev Nolte).
258. Integrated Resource Management, 1990. Beef Month.
259. Bottom Line on IRM, More Profit. Beef Today, October, 1990. (in cooperation with Bob Dunaway).
260. Hot Spots: Seven State Programs. Beef Today, October, 1990.
261. Learning More to Lower Inputs. Nebraska Farmer, October 1990. (in cooperation with Mary Crawford).
262. IRM in Nebraska. Integrated Resource Management NEWS. Volume 1, Issue 2. Summer 1990.
263. Caution for winter-feeding. Nebraska Farmer. March, 1990 (in cooperation with Shirley Roenfeldt).
264. Economical Feeding Programs. Farming Magazine. Nov./Dec. 1989.
265. Managing Cornstalks for the Cow Herd. Nebraska Cattleman, December, 1989. (in cooperation with Don Hudson).
266. Feed and labor separate high and low-cost operations. Drovers Journal. October 1989. (in cooperation with Mike Fitzgerald).
267. Test, don't guess, winter feed values. Nebraska Farmer. October, 1989 (in cooperation with Jim Carlton).

268. Had 2 articles in the Responding to Drought in Nebraska “publication Ammoniating Crop Residues May Supplement Feed Supplies. Responding to Drought. June 1989.
269. High Nitrate Levels in Drought-Stressed Crops Can Hurt Livestock. Responding to Drought. June 1989.
270. Feed options in a dry year. Nebraska Farmer. June, 1989. (in cooperation with Jim Carlton).
271. Ammonia injection gives roughage shot in the arm. Nebraska Farmer. June, 1989. (in cooperation with Jim Carlton).
272. Calving by the calendar: A shorter calving season pays off at weaning. Farm Journal. February, 1989. (in cooperation with Ann Toner).
273. Forages Tests Cut Cost of Beef, Dairy Feeding. Nebraska Farmer, April, 1988 (in cooperation with Mary Bargman).
274. You Can Stretch Short Forage Supply, Nebraska Farmer, June, 1988 (in cooperation with Jim Carlton).
275. Start Now to Reduce Winter Feed Costs. Nebraska Cattlemen, June, 1988.
276. Managing Forages From Set-Aside Acres. Nebraska Cattlemen, Aug., 1988.
277. He Bags More Forage By Treating Straw, Nebraska Farmer, August, 1988. (in cooperation with Don McCabe).
278. Feed Value of Forages Varies, Nebraska Cattlemen, September, 1988. Planning + Targeting = Profit, Nebraska Cattlemen, October, 1988.
279. Possible ways to make the cow-calf enterprise profitable. Farming, March/April, 1987.
280. Can an infrared feed test hike your profits? Nebraska Farmer; July; 1987. (In cooperation with Jim Carlton)
281. They get extra 4,000 pounds per 100 cows, Nebraska Farmer, 1987. (In cooperation with Mary Bargman)
282. A balanced ration can mean money in the bank for cattlemen, Nebraska Cattlemen, October, 1987.

### ***Satellite/NET TV Programs Developed***

1. Drought Management Strategies for Cow/Calf Producers. Beef Short Course Series. December 13 and 20, 2012 and January 17 and 24, 2013.
2. Understanding the Numbers. Beef Short Course Series. December 15 and 22, 2011 and January 12 and 19, 2012.
3. Staying Competitive in an Ever-Changing Beef Cattle Industry- II. Beef Short Course Series. December 16, 2010 and January 13, 20, & 27, 2011.
4. Staying Competitive in an Ever-Changing Beef Cattle Industry- I. Beef Satellite Series. December 14 & 21, 2009 and January 11 & 18, 2010.
5. Getting Better at What You Do By Staying Current. Beef Satellite Series. December 8 and 16, 2008 and January 12 and 19, 2009.
6. Beefing Up the Bottom Line. Beef Satellite Series. November 26 and December 10, 2007 and January 14 and 28, 2008.
7. International Beef Marketing Opportunities - October 3, 2007 Cow-Calf Calendar.
8. Targeting 2007: What Beef Producers Need to Know to Position Themselves, December 4 and 11, 2006 and January 15 and 22, 2007.
9. Everything You Wanted to Know About New Carcass Selection Techniques, Understanding Carcass Quality Attributes, and Production and Marketing Considerations of Beef. 2005.
10. Beef Cow Longevity, 2004.
11. Beef Cow Reproduction, 2003.
12. Designing a production plan for the next 10 years utilizing my resources, 2002.
13. In-depth Beef Cow Nutrition Short-Course, 2001.
14. In-depth Reproductive Short-Course in Beef Cows, 2000.
15. Cattlemen’s Satellite Short-Course. 1995.

16. Livestock Video Notes. 1994. Beef Cow Condition Scores.
17. Ag Briefing. 1992. Feeding Scab-Damaged Wheat to Cattle.

### ***Beef Web Site***

- In 1995 co-developed with Ron Roeber (CIT) the beef website concept
- Designed functionalities needed – re-designed 2010 **Rasby**, Aaron Berger, Pam Peters
- Day-to-day managements – 1995 to 2010
  - Co-manage: 2010 – present **Rasby** and Aaron Berger
- Oversight of movement from Liferay content management system to Drupal

### **My Contribution to Website:**

- A. **Timely Topics** – 555 articles written since 1995 (most recent articles below)
  1. Economics of dry lotting beef cows
  2. Calf crop percent (October 2015)  
<http://beef.unl.edu/calf-crop-percentage>
  3. Calculating value of gain (October 2015)  
<http://beef.unl.edu/calculating-value-of-gain>
  4. Creep feeding beef calves (June 2015)  
<http://beef.unl.edu/cattleproduction/creepcalves2010>
  5. Grazing corn residue with beef cattle (October 2014)  
<http://beef.unl.edu/grazing-corn-residue-with-beef-cattle>
  6. Preparing the Cow Herd for Cold Weather (November 2013)  
<http://beef.unl.edu/web/cattleproduction/preparing-cow-herd-cold-weather>
  7. Grazing Corn Stalk Residue (September 2013)  
<http://beef.unl.edu/web/cattleproduction/grazing-corn-stalk-residue>
  8. Production Calculations Related to Beef Cow Nutrition (May 2013)  
<http://beef.unl.edu/web/cattleproduction/calculations-nutrition>
  9. Determining How Much Forage a Beef Cow Consumes Each Day (April 2013)  
<http://beef.unl.edu/web/cattleproduction/forageconsumed-day>
  10. Managing Nitrates in Annual Forages (July 2013)  
<http://beef.unl.edu/web/cattleproduction/nitratesinforages>
  11. Managing Cow Herds During Drought (July 2013)  
<http://beef.unl.edu/web/cattleproduction/cowherdsdrought>
  12. Grass Tetany Management for Cattle Grazing Lush, Cool-Season Pastures (April 2013)  
<http://beef.unl.edu/web/cattleproduction/grasstetanymanagement>
  13. Feeding First-Calf Females After Calving (February 2013)  
<http://beef.unl.edu/web/cattleproduction/feedingfirstcalfemales>
  14. Body Condition Scoring App: NUBeef-BCS (February 2013)  
<http://beef.unl.edu/web/cattleproduction/nubeef-bcs-app>
  15. Graze Drought Stressed Cornstalks CAREFULLY(September 2012)  
<http://beef.unl.edu/web/cattleproduction/graze-drought-stressed-cornstalks>
  16. Ammoniating Crop Residues as a Feed Resource (September 2012)  
<http://beef.unl.edu/web/cattleproduction/ammoniatingcropresidues>
  17. Evaluate Your Nutrition Program by Looking at Calving Records (September 2012)  
<http://beef.unl.edu/web/cattleproduction/evaluatenutritionprogram>
  18. Options for Drought Damaged Corn Fields (August 2012)  
<http://beef.unl.edu/web/cattleproduction/droughtdamagedcornfields>
  19. Drylotting Beef Cows - A Drought Management Strategy (June 2012)  
<http://beef.unl.edu/web/cattleproduction/drylottingbeefcows>
  20. Replacing Summer Pasture with Feeds for Cows Grazing Pasture and When Pasture is Limited (June 2012)  
<http://beef.unl.edu/web/cattleproduction/replacingsummerpasture>

21. Management Considerations When Relocating Beef Cows in Drought Conditions (May 2012)  
<http://beef.unl.edu/web/cattleproduction/relocatingbeefcows>
22. Beef Cow Herd Culling Strategies (May 2012)  
<http://beef.unl.edu/web/cattleproduction/cullingstrategies>
23. Managing Cow Herds During Drought (May 2012)  
<http://beef.unl.edu/web/cattleproduction/cowherdsdrought>
24. Management of Young Bulls Before and After the Breeding Season (March 2012)  
<http://beef.unl.edu/web/cattleproduction/youngbullmanagement>
25. Milk EPD an Accurate Indicator of Milk Production and Calf Performance (March 2012)  
<http://beef.unl.edu/web/cattleproduction/milkepdindicator>
26. Drought Corn Silage in Beef Cow Diets(October 2011)  
<http://beef.unl.edu/web/cattleproduction/droughtcornsilage>
27. Fenceline Low Stress Weaning (August 2011)  
<http://beef.unl.edu/web/cattleproduction/fenceline2011>
28. Nitrates in Forages Need to Be Managed During Drought (July 2011)  
<http://beef.unl.edu/web/cattleproduction/nitratesinforages>
29. Early Weaning Beef Calves Sometimes Makes Cents (May 2011)  
<http://beef.unl.edu/web/cattleproduction/earlyweaning>
30. Have a Drought Management Plan for Your Cow/Calf Enterprise (May 2011)  
<http://beef.unl.edu/web/cattleproduction/managementplan>
31. An Alternative to Expensive Summer (April 2011)  
<http://beef.unl.edu/web/cattleproduction/summeralternative>
32. How Cow Weight and Milk Output Effect Feed Costs (December 2010)  
<http://beef.unl.edu/web/cattleproduction/feedcosts2010>
33. How Cow Weight and Milk Output Effect Revenue (October 2010)  
<http://beef.unl.edu/web/cattleproduction/revenue2010>
34. Relationship Between Cow Weight, Milk Production, and Nutrient Needs (September 2010)  
<http://beef.unl.edu/web/cattleproduction/cowweight2010>
35. How Did Your Nutrition Program Do This Winter? (April 2010)  
<http://beef.unl.edu/web/cattleproduction/nutritionprogram2010>
36. Keep Heifer Development Cost Affordable (January 2010)  
<http://beef.unl.edu/web/cattleproduction/heigerdevelopment2010>
37. Some Pastures are Drying-Up Fast (August 2009)  
<http://beef.unl.edu/web/cattleproduction/pasturesdrying2009>
38. Direct and Indirect Effects of Protein Supplementation Strategies (October 2009)  
<http://beef.unl.edu/web/cattleproduction/proteinstrategy2009>
39. Feeding Corn Silage in Cow Diets (January 2007)  
<http://beef.unl.edu/web/cattleproduction/silage2007>

**B. Learning Modules**

1. Udder and Teat Scoring – 2008.  
[http://beef.unl.edu/learning/udder\\_score.shtml](http://beef.unl.edu/learning/udder_score.shtml)  
[http://beef.unl.edu/learning/udder\\_guide.shtml](http://beef.unl.edu/learning/udder_guide.shtml)
2. Understanding a Nutrient Analysis – 2004.  
<http://beef.unl.edu/learning/feedAnalysis.shtml>
3. The Beef Cow Estrous Cycle – 2002.  
<http://beef.unl.edu/learning/estrous.shtml>
4. Synchronizing Estrus in Beef Cows – 2002.  
<http://beef.unl.edu/learning/estrussynch.shtml>
5. Body Condition Scoring Beef Cows - Spring 1999.  
<http://beef.unl.edu/learning/condition1a.shtml>  
<http://beef.unl.edu/learning/condition2.shtml>

- <http://beef.unl.edu/learning/condition3a.shtml>
6. Micro-nutrient Calculator - Fall 1999.  
<http://beef.unl.edu/learning/needscalculator.shtml>
- C. **Ask a Specialist** – 1,151 questions and answers – 1995 to 2015
- D. **Profit Tips:**
1. **Rasby, R.** Profit Tip: Balancing timing of hay harvest on availability of forage for grazing. September 2008.
  2. **Rasby, R.** Profit Tip: Condition cows early. September 2008.
  3. **Rasby, R.** Profit Tip: Keep heifer development costs in check. September 2008.
  4. **Rasby, R.** Profit Tip: Manage body condition by time of weaning. September 2008.
  5. **Rasby, R.** Profit Tip: Feeding your culls may be an effective marketing and management strategy. September 2008.
  6. **Rasby, R.** Profit Tip: Mineral considerations for beef cows. September 2008.
  7. **Rasby, R.** Profit Tip: Forage feeding losses can add up. September 2008.
  8. **Rasby, R.** Profit Tip: Cow/calf management strategies to attack feed costs. September 2008.  
**Rasby, R.** Profit Tip: Testing forages for quality can save dollars and makes cents when designing feeding programs for the herd. September 2008.
- E. **Rasby, R.** Profit Tip: Understanding a forage analysis.
- F. **BeefWatch Articles**
1. Rasby, Rick and TL Meyer Cow Herd Report Card II. Measures of Performance. December 2023. <https://beef.unl.edu/beefwatch/2023/cow-herd-report-card-ii-measures-performance>
  2. Rasby, Rick and TL Meyer Cow Herd Report Card I. Measures of Performance. November 2023. <https://beef.unl.edu/beefwatch/2023/cow-herd-report-card-i-measures-performance>
  3. Rick Rasby and Alfredo DiCostanzo. Corn Silage as a Feed Source for Beef Cows this Winter. September 2023. <https://beef.unl.edu/beefwatch/2023/corn-silage-feed-source-beef-cows-winter>.
- a. **Annual Statistics - 2023**
- i. 346,000 unique visitors
  - ii. 82,000 repeat visitors
  - iii. Visitors daily: average = 758; maximum number of daily visitors = 1,332
  - iv. 422,000 pages delivered annually.

### *Webinars Developed*

1. Dry lotting and confinement cow series Part 4: Economics (April 2015)  
<http://beef.unl.edu/confinement-cows-series-part-4-economics>
2. Dry lotting and confinement cow series Part 5: Pricing feeds (April 2015)  
<http://beef.unl.edu/confinement-cows-series-part-5-pricing-feeds>
3. Dry lotting and confinement cow series Part 6: Management considerations (April 2015)  
<http://beef.unl.edu/confinement-cows-series-part-6-management-considerations>
4. Cornstalk Grazing Recommendations (October 2014)  
<http://beef.unl.edu/cornstalk-grazing-recommendations-video>
5. Pricing Strategies when Buying Feedstuffs (February 19, 2013)  
<http://beef.unl.edu/web/beef/feeds-priceperunit>
6. Managing Cows in Cold Weather (January 15, 2013)  
<http://beef.unl.edu/web/beef/cattleincoldweather>
7. Feed Analysis and Nitrate Tests (September 18, 2012)  
<https://connect.unl.edu/p5274d5ych1/>
8. Salvaging Drought Damaged Crops as Forage for Beef Cows (August 7, 2012)  
<https://connect.unl.edu/p9llwu5c0xf/>
9. Drought Management Strategies: Early Weaning Beef Calves and Cow Culling and Management

- Decisions (July 2, 2012)  
<https://connect.unl.edu/p76epzucb17/>
10. Weaning (June 19, 2012)  
<https://connect.unl.edu/p8ubbiuqx1q/>
11. Don't Forget the Bull! Webinar (April 3, 2012)  
<https://connect.unl.edu/p8i9g4uqeir/>

## *Social Media*

### *A. iPhone; iPad Applications*

1. **Rasby, R. 2013.** Cow-Q-Lations – App contains 4 calculators: Feed Cost Calculator, Corn Stalk Grazing Calculator, Dry Matter Conversion, Gestation Calculator. Programmer and design team. Mark Hendricks and Russell Houlton. (First application sold by University of NE).
2. **Rasby, R. 2012.** Body Condition scoring beef cows. Body Condition scoring beef cows. NUBeebcs. Programmer and design team. Mark Hendricks and Russell Houlton. (First application sold by University of NE).
3. **Rasby, R. 2012.** Teat and udder scoring beef cows. NUBeefuts. Programmer and design team. Mark Hendricks and Russell Houlton. (Second application sold by University of NE).

### *A. Twitter*

1. @NUBeef (initiated July 2012)
  - a. Follower: 2153
  - b. Number of tweets: 3,230
2. @beefcattleXtension (initiated May 2012 – July 2014)
  - a. Followers: 1100
  - b. Number of tweets: 1471

### *B. YouTube Videos Developed*

**VIEWS = 108,136 (Since 2013)**

1. Corn Residue Fields  
 Developed 2016: **Rick Rasby**  
 Produced by: Jeff Wilkerson and Kurtis Harms  
<https://www.youtube.com/watch?v=dQrCDx0W1ZI>.
2. Corn Residue Fields  
 Developed 2016: **Rick Rasby**  
 Produced by: Jeff Wilkerson and Kurtis Harms  
<https://www.youtube.com/watch?v=8riURUKCsCQ>.
3. Calving Nutrition  
 Developed 2016: **Rick Rasby**  
 Produced by: Jeff Wilkerson and Kurtis Harms  
<https://www.youtube.com/watch?v=8riURUKCsCQ>.
4. Economics of Alternative Cow/Calf Production Systems  
 Developed 2015: **Rick Rasby**  
<https://www.youtube.com/watch?v=AysWpZ4hrqs>
5. Dry-Lotting Cows  
 Developed 2015: **Rick Rasby**  
 Produced by: Jeff Wilkerson and Kurtis Harms  
<https://www.youtube.com/watch?v=iLfG6AbRqHM>
6. Economics of Alternative Cow/calf Production Systems  
 Eng Cow Conference  
 Developed 2015  
 Produced By Oklahoma State University

- [https://www.youtube.com/watch?v=h4ozj\\_dMa1E](https://www.youtube.com/watch?v=h4ozj_dMa1E)
7. Cow Nutrition  
Developed 2015: **Rick Rasby**  
Produced by: Jeff Wilkerson and Kurtis Harms  
<https://www.youtube.com/watch?v=ApZ21rQVVB8>
  8. Forage Quality  
Developed 2015: **Rick Rasby**  
Produced by: Jeff Wilkerson and Kurtis Harms  
<https://www.youtube.com/watch?v=mafK8ctyEDM>
  9. Estrus Synchronization Prep  
Developed 2014: **Rick Rasby**  
Produced by: Jeff Wilkerson and Kurtis Harms  
<https://www.youtube.com/watch?v=01j188qMtw8>
  10. Cornstalk Grazing Recommendations  
Developed 2014: **Rick Rasby**  
Produced by: Jeff Wilkerson and Kurtis Harms  
<https://www.youtube.com/watch?v=vi3tzpmAr0Q>
  11. Ruminant Digestion – Methane  
Developed 2014: **Rick Rasby** and Mandi Jones  
Produced by: Vishal Singh  
<https://www.youtube.com/watch?v=3NG5foxD2HI>
  12. Caring for Cattle in Cold Weather  
Developed 2014: **Rick Rasby**  
Produced by: Jeff Wilkerson and Kurtis Harms  
<https://www.youtube.com/watch?v=T-c3A4noG68>
  13. Spring Calving Management – Market Journal  
Developed 2013: **Rick Rasby**  
Produced by: Jeff Wilkerson and Kurtis Harms  
<http://www.youtube.com/watch?v=WyFo4wArMGI>
  14. Early Weaning Calves – Market Journal  
Developed 2013: **Rick Rasby**  
Produced by: Jeff Wilkerson and Kurtis Harms  
<https://www.youtube.com/watch?v=u6ZmPuOLjLo>
  15. Feeding Value of Corn Residue – Market Journal  
Developed 2013: **Rick Rasby**  
Produced by: Jeff Wilkerson and Kurtis Harms  
<http://www.youtube.com/watch?v=x9KClmlCUXg>
  16. Cattle Grazing Stalks – Market Journal  
Developed 2013: **Rick Rasby**  
Produced by: Jeff Wilkerson and Kurtis Harms  
<https://www.youtube.com/watch?v=yHIIxOyTrBE>
  17. Udder and Teat Scoring – Market Journal  
Developed 2013: **Rick Rasby**  
Produced by: Jeff Wilkerson and Kurtis Harms  
<https://www.youtube.com/watch?v=NpnlGTWPMng>
  18. Cattle Calving and Grazing – Market Journal  
Developed 2013: **Rick Rasby**  
Produced by: Jeff Wilkerson and Kurtis Harms  
<http://www.youtube.com/watch?v=CY5QOdrhaEo>
  19. Cattle Ration Formulation – NUBeef  
Developed 2013: **Rick Rasby, Jared Mracek**



- Produced by: Mike Kamm  
[http://www.youtube.com/watch?v=aaC0QP\\_7KXs](http://www.youtube.com/watch?v=aaC0QP_7KXs)
20. Feeds for rations for my 4-H Calf – NUBeef  
Developed 2013: **Rick Rasby, Jared Mracek**  
Produced by: Mike Kamm
  21. Considerations When Renting Corn Stalks – NUBeef  
Developed 2012: **Rick Rasby**  
Produced by: Mike Kamm  
<http://www.youtube.com/watch?v=1k1xW8YPIw0>
  22. Sampling Silage in a Bunker – NUBeef  
Developed 2012: **Rick Rasby**  
Produced by: Mike Kamm  
<http://www.youtube.com/watch?v=VabSZnKoqho>
  23. Using Corn Stalk Bales – NUBeef  
Developed 2012: **Rick Rasby**  
Produced by: Mike Kamm  
<http://www.youtube.com/watch?v=9bp-Q12wZwQ>
  24. Sampling Forages for Nutrients – NUBeef  
Developed 2012: **Rick Rasby**  
Produced by: Mike Kamm  
<http://www.youtube.com/watch?v=tnVOOTtONkc>
  25. How to Take a Representative Sample – NUBeef  
Developed 2012: **Rick Rasby**  
Produced by: Mike Kamm  
[http://www.youtube.com/watch?v=rTGkb\\_u1838](http://www.youtube.com/watch?v=rTGkb_u1838)
  26. Corn Residue Bales – Market Journal  
Developed 2012: **Rick Rasby**  
Produced by: Jeff Wilkerson and Kurtis Harms  
<http://www.youtube.com/watch?v=SxbCETkLO3A&list=UUpbTfMDLIfYK9sETWY6IIRw&index=92>
  27. Safely Grazing Cornstalks – Market Journal  
Developed 2012: **Rick Rasby**  
Produced by: Jeff Wilkerson and Kurtis Harms  
<http://www.youtube.com/watch?v=DOMwZln9LMM&list=UUpbTfMDLIfYK9sETWY6IIRw&index=100>
  28. Poor Pasture Condition – Market Journal  
Developed 2012: **Rick Rasby**  
Produced by: Jeff Wilkerson and Kurtis Harms  
<http://www.youtube.com/watch?v=sevATkV78Rg&list=UUpbTfMDLIfYK9sETWY6IIRw&index=182>
  29. Supplementation Options for Cattle  
Developed 2012: **Rick Rasby**  
Produced by: Jeff Wilkerson and Kurtis Harms  
<http://www.youtube.com/watch?v=UHRe8byaJTA&list=UUpbTfMDLIfYK9sETWY6IIRw&index=256>
  30. Spring Calving Tips – Market Journal  
Developed 2012: **Rick Rasby**  
Produced by: Jeff Wilkerson and Kurtis Harms  
<http://www.youtube.com/watch?v=4FGm82JPOi0&list=UUpbTfMDLIfYK9sETWY6IIRw&index=303>
  31. Winter Calving – Market Journal  
Developed 2012: **Rick Rasby**  
Produced by: Jeff Wilkerson and Kurtis Harms  
<http://www.youtube.com/watch?v=Xmqp2LWKIdo&list=UUpbTfMDLIfYK9sETWY6IIRw&index=362>
  32. Storage Methods for Ethanol Co-Products – Introduction  
Developed 2011: **Rick Rasby** and Jason Warner  
Produced by: Mike Kamm

- [http://www.youtube.com/watch?v=4rKJhEgK5xw&feature=channel\\_video\\_title](http://www.youtube.com/watch?v=4rKJhEgK5xw&feature=channel_video_title)
33. Storage Methods for Ethanol Co-Products – Nutrient Composition  
Developed 2011: **Rick Rasby** and Jason Warner  
Produced by: Mike Kamm  
[http://www.youtube.com/watch?v=9vVGHRPluPo&feature=channel\\_video\\_title](http://www.youtube.com/watch?v=9vVGHRPluPo&feature=channel_video_title)
  34. Storage Methods for Ethanol Co-Products – Mixing with Forages  
Developed 2011: **Rick Rasby** and Jason Warner  
Produced by: Mike Kamm  
[http://www.youtube.com/watch?v=3V8BYejjFCk&feature=channel\\_video\\_title](http://www.youtube.com/watch?v=3V8BYejjFCk&feature=channel_video_title)
  35. Storage Methods for Ethanol Co-Products – Examples of Storage Process  
Developed 2011: **Rick Rasby** and Jason Warner  
Produced by: Mike Kamm  
[http://www.youtube.com/watch?v=sz7QyX89bK0&feature=channel\\_video\\_title](http://www.youtube.com/watch?v=sz7QyX89bK0&feature=channel_video_title)
  36. Storage Methods for Ethanol Co-Products – Spoilage and Loss Considerations  
Developed 2011: **Rick Rasby** and Jason Warner  
Produced by: Mike Kamm  
[http://www.youtube.com/watch?v=RxtWBo3HrCs&feature=channel\\_video\\_title](http://www.youtube.com/watch?v=RxtWBo3HrCs&feature=channel_video_title)
  37. Storage Methods for Ethanol Co-Products – Economics of Storage  
Developed 2011: **Rick Rasby** and Jason Warner  
Produced by: Mike Kamm  
[http://www.youtube.com/watch?v=4rKJhEgK5xw&feature=channel\\_video\\_title](http://www.youtube.com/watch?v=4rKJhEgK5xw&feature=channel_video_title)
  38. Angus VNR: Cow herd nutrition matters  
Developed 2011: **Rick Rasby**  
Produced by: I am Angus  
<http://www.youtube.com/watch?v=igEeh2BgRIA>

### **C. Podcasts**

1. Rasby, R and TL Meyer. Cow Herd Report Card II. Measures of Performance. December 2023. BeefWatch Podcasts. 616 Views. [http://s3-us-west-2.amazonaws.com/unlbeefwatch/2023/Dec\\_2023\\_RR\\_TL\\_Rpt\\_Crd.mp3](http://s3-us-west-2.amazonaws.com/unlbeefwatch/2023/Dec_2023_RR_TL_Rpt_Crd.mp3).
2. Rasby, Rick. Cow Herd Report Card I. Measures of Performance. November 2023. BeefWatch Podcasts. 947 Views. [https://unlbeefwatch.s3.us-west-2.amazonaws.com/2023/Nov\\_2023\\_RR\\_CwHrdScrCrd.mp3](https://unlbeefwatch.s3.us-west-2.amazonaws.com/2023/Nov_2023_RR_CwHrdScrCrd.mp3)
3. Rasby, R and A. DiCostanzo. October 2023. Corn Silage as a Feed Source for Beef Cows this Winter. BeefWatch Podcasts – 1005 views - [http://s3-us-west-2.amazonaws.com/unlbeefwatch/2023/Sept\\_2023\\_RR\\_AD\\_CrnSlge.mp3](http://s3-us-west-2.amazonaws.com/unlbeefwatch/2023/Sept_2023_RR_AD_CrnSlge.mp3).
4. Creep feeding beef calves. June 2015. 81 downloads.
5. Grass tetany management for cattle grazing lush, cool-season pastures. May 2015. 60 downloads.

### **INVITED PRESENTATIONS**

#### **Out-of-State**

1. **Rasby, R.** 2016. Economics of dry lotting beef cows. 2016. 49<sup>th</sup> Annual American Association of Bovine Practitioners. September 15-17. Charlotte, North Carolina.
2. **Rasby, R.** 2016. Dry lot beef production systems. Advanced cow/calf class. February 25. Kansas State University. Manhattan, KS.
3. **Rasby, R.** 2016. Economics of alternative beef systems. National Cattlemen Beef Association Annual Meeting. January 16. San Diego.
4. **Rasby, R.** 2016. Alternative cow-calf production systems: Challenges and opportunities. 2016 Midwest Animal Science Meeting. Ritchie Symposium. March 14. Des Moines.
5. **Rasby, R.** 2015. Drylotting beef cows. Missouri Livestock Symposium. December 4-5. Kirksville, MO.
6. **Rasby, R.** 2015. Beef heifer strategies. Missouri Livestock Symposium. December 4-5. Kirksville, MO.

7. **R.J. Rasby**. 2015. Optimizing the use of corn residue for grazing and harvesting in intensified cow-calf production systems. Eng Cow Conference. September 17-18, 2015. Oklahoma City, OK.
8. **Rasby, R.** 2015. Nutrition management of cows-Supplementation and additives. Invited presentation. ARPAS Symposium: Reproductive efficiency of beef cows-Current status and new technologies. Joint Annual Meeting ASAS-ADAS. July 12-16. Orlando, FL.
9. **Rasby, R.** 2015. Drylotting beef cows and calves. 2015 Update for Veterinarians. McNay Memorial Research Farm, May, 20. Chariton, IA.
10. **Rasby, R.** 2015. Beef cow-calf drylot production. 2015 Beef Management Workshops. May 20. Winterset, IA.
11. **Rasby, R.** 2015. Beef cow replacement strategies. 2015 Beef Management Workshops. May 20. Winterset, IA.
12. **Rasby, R.** 2015. Beef cow-calf drylot production. 2015 Beef Management Workshops. May 19. Mount Pleasant, IA.
13. **Rasby, R.** 2015. Beef cow replacement strategies. 2015 Beef Management Workshops. May 19. Mount Pleasant, IA.
14. **Rasby, R.** 2015. Apps for beef operations: What's out there and what's coming. Driftless Region Beef Conference. January 22. Dubuque, IA.
15. **Rasby, R.** 2015. Evaluating supplementation strategies. 3-State Beef Conference. January 14. Albany, MO.
16. **Rasby, R.** 2015. Evaluating supplementation strategies. 3-State Beef Conference. January 13. Creston, IA.
17. **Rasby, R.** 2015. Confining beef cows. 2015 Northern States Beef Conference. January 5-6. Morton, MN.
18. **Rasby, R.** 2014. Managing beef cows in confinement. 2014. Iowa State Extension In-service. March 19. Des Moines, IA.
19. **Rasby, R.** 2014. Alternative cow/calf enterprises. 2014. Three State Beef Conference. January 13-, 14, 2014. Albany, MO and Creston, IA.
20. **Rasby, R.** 2013. Heifer selection strategies. 2013 Iowa Cattle Industry Convention. December 10, 2013. Altoona, IA.
21. **Rasby, R.** 2013. Heifer development strategies. 2013 Iowa Cattle Industry Convention. December 9, 2013. Altoona, IA.
22. **Rasby, R.** 2013. Corn stalk residue grazing and cow management strategies. Teknal Nutricion Animal Seminar Series. November 15, 2013. Dolores, Uruguay.
23. **Rasby, R.** 2013. Feeding and storage of distillers grains. Teknal Nutricion Animal Seminar Series. November 14, 2013. Rosario, Argentina.
24. **Rasby, R.** 2013. Protein supplementation concepts and strategies. Teknal Nutricion Animal Seminar Series. November 13, 2013. Rosario, Argentina,
25. **Rasby, R.** 2013. Heifer development strategies. Teknal Nutricion Animal Seminar Series. November 12, 2013. Rio Cuarto, Argentina.
26. **Rasby, R.** 2013. Managing the cow herd during drought. Teknal Nutricion Animal Seminar Series. November 12, 2013. Rio Cuarto, Argentina.
27. **Rasby, R.** 2013. Confinement feeding beef cows. 42<sup>nd</sup> Annual Cornbelt Cow-Calf Conference. January 19, 2013. Ottumwa, IA.
28. **Rasby, R.** 2013. Mobile apps that make cents for producers. 2013 Beef Improvement Federation Meeting. June 13, 2013. Oklahoma City, OK.
29. **Rasby, R.** 2012. Fundamentals of a changing beef industry. Alfalfa Intensive Training Seminar. February 21, 2012. St. Louis, MO.
30. **Rasby, R.** 2011. Role of forages in the changing beef industry. Missouri Forage and Grassland Council/GLCI 2011 Annual Meeting. November 7-8, 2011. Lake Ozark, MO.
31. **Rasby, R.** 2011. Management strategies when early weaning beef calves. Academy of Veterinary

- Consultants. August 6, 2011. Colorado Springs, CO.
32. **Rasby, R.** 2011. Management considerations for the beef cow herd in drought conditions. Academy of Veterinary Consultants. August 6, 2011. Colorado Springs, CO.
  33. **Rasby, R.** 2011. Creation of a web-based animal welfare information clearinghouse. Nebraska and Iowa Extension Animal Welfare Professional Development. May 25-26, 2011. Council Bluffs, IA.
  34. **Rasby, R.** 2010. Profitable beef production systems. August 24. Invited by Grazing Lands Conservation Initiative. West Des Moines, IA.
  35. **Rasby, R.** 2010. Cost effective use of by-products in cow/calf enterprise and how by-products fit in forage diets. August 23, 2010. Invited by Grazing Lands Conservation Initiative. West Des Moines, IA.
  36. **Rasby, R.** 2010. Low cost heifer development systems and feeding considerations for the young female after calving. May 19. Creston, IA.
  37. **Rasby, R.** 2010. Low cost heifer development systems and feeding considerations for the young female after calving. May 18. Chariton, IA.
  38. **Rasby, R.** 2010. Low cost heifer development systems and feeding considerations for the young female after calving. May 18. Attica, IA.
  39. **Rasby, R.J.** 2009. Beef Cattle Clearinghouse - Successes and future direction. 2009 eXtension National Conference. October 20-23. St. Louis, MO.
  40. **Rasby, R.** 2009. Update on storing co-products. 2009 4-State Beef Conference. January 14, 15, 2009. Tecumseh, NE, Washington, KS, King City, MO, and Lewis, IA.
  41. **Rasby, R.** 2008. By-product feeding. KState Beef Conference: Managing annual cow costs. August 7- 8, 2008. Manhattan, KS.
  42. **Rasby, R.** 2008. Integrating eXtension into local agriculture extension programs: Beef Cattle Clearing House eXtension website. 2008 NACAA Workshop. July 15, 2008. Greensboro, NC.
  43. **Rasby, R.** 2008. Beef Cattle Clearinghouse: An eXtension Website. ASAS/ASDS National Meetings, Invited Centennial Presentation, July 9, 2008. Indianapolis, IN.
  44. **Rasby, R.** 2008. Methods and economics of storage and extending the shelf-life of wet distillers grains. 12<sup>th</sup> Distillers Grains Symposium. May 21, 22 2008. Kansas City, MO.
  45. **Rasby, R.** 2008. Byproduct fit and function. Vita Ferm Annual Sales Meeting. February 25, 2008. St. Joseph, MO.
  46. **Rasby, R.** 2008. Cowherd feeding options to minimize cost. 37<sup>th</sup> Annual Corn Belt Cow-Calf Conference. February 23, 2008. Ottumwa, IA.
  47. **Rasby, R.** 2008. Opportunities and challenges for cow/calf producers. 37<sup>th</sup> Annual Corn Belt Cow-Calf Conference. February 23, 2008. Ottumwa, IA.
  48. **Rasby, R.** 2008. Storing, mixing, and feeding co-products. 4-State Beef Conference. January 9, 10, 2008. Tecumseh, NE, Washington, KS, Bethany, MO, Lewis, IA.
  49. **Rasby, R.** 2007. Storage, handling issues and timely buying of co-products. Beef Cattle Co-Products Conference. November 28, 2007. Springfield, IL.
  50. **Rasby, R.** 2007. Using co-products in growing and backgrounding diets. Beef Cattle Co-Products Conference. November 28, 2007. Springfield, IL.
  51. **Rasby, R.J.** 2007. ProBeef'07: A Global View if the Ethanol Industry and Beef Cattle Production. September 5-7, 2007. Ames, IA.
  52. **Rasby, R.J.** 2007. Distillers grains: Availability, storage/handling, pricing. January 10-11, 2007. 4-State Beef Conference. Tecumseh, NE, Holton, KS, Bethany, MO, and Lewis, IA.
  53. **Rasby, R.J.** 2006. Can co-products affect your bottom line? August 23, 2006. Osceola, IA.
  54. **Rasby, R.J.** 2006. Summer feeding alternatives for the cow herd. January 11-12, 2006. 4-State Beef Conference. Tecumseh, NE, Lewis, IA, Savannah, MO, and Holton, KS.
  55. **Rasby, R.J.** 2004. Reducing Summer Grazing Costs. 2004 4-State Beef Conference, January 14-15, 2004, Tecumseh, NE, Lewis, IA, St. Joseph, MO, and Maple Hill, KS.
  56. **Rasby, R.J.** 2003. Value and use of corn milling by-products in the cow herd. The Range Beef

- Cow Symposium XVIII, December 9, 10 and 11, 2003, Mitchell, Nebraska
57. **Rasby, R.J.** 2002. Want Those Young Cows Pregnant? Cow Herd Improvement Program Services-Beef Breeding Management ICN Conference. January 26, 2002. Ames, IA.
  58. **Rasby, R.J.** 2001. Cowherd Feeding to Minimize Costs. 4-State Beef Conference. January 17-18, 2001. Clay Center, KS, Tecumseh, NE, Lewis, IA, St. Joseph, MO.
  59. **Rasby, R.J.** 2000. Age of calf at weaning of spring-calving beef cows and the effect on cow and calf performance and production economics. American Society of Animal Science Annual Meeting. Baltimore, MD. July 24-28, 2000.
  60. **Rasby, R.J.** 1999. Nutrition for the Two-Year-Old Heifer and How to Meet Nutritional Needs Using Low-Quality Hay. 4-State Beef Conference. January 13, 14, 1999, Holton KS, St. Joseph, MO, Lewis, IA, and Tecumseh, NE.
  61. **Rasby, R.J.** 1997. Cow Body Condition. National Cattlemen Beef Association. Producer Education Seminar. February, 1997, Kansas City.
  62. **Rasby, R.J.** 1996. 4-State Beef Conference. Matching the cow production cycle with forage resources to reduce input costs. January 10-11, 1996. St. Joseph, MO., Griswald, IA., Tecumseh, NE., Clay Center, KS.
  63. **Rasby, R.J.** 1995. Using performance records in management decisions in the cow/calf enterprise. December, 1995. Hermosillo, Durango, and Monterrey, Mexico.
  64. **Rasby, R.J.** 1995. Complimentary Forages to Balance a Year-Round Feed Supply. Tri-State Beef Conference. February 4, 1995, St. Francis, KS.
  65. **Rasby, R.J.** 1995. Can Producers Select For Marbling? 4-State Beef Conference. January 11-12, 1995, Clay Center, KS; Tecumseh, NE; Creston, IA; St. Joseph, MO.
  66. **Rasby, R.J.** 1995. How Are Producers Using Carcass Information? 4-State Beef Conference. January 11-12, 1995, Clay Center, KS; Tecumseh, NE; Creston, IA; St. Joseph, MO.
  67. **Rasby, R.J.** 1993. Implementation of a Successful IRM Program and Future Challenges. National Cattlemen's Association Annual Convention. January 26-30, 1993. Phoenix, AZ.
  68. **Rasby, R.J.** 1993. A Successful IRM Program: How Do Producers Benefit. Northeastern Integrated Resource Management Workshop. A Successful IRM Program: How Do Producers Benefit. April 5-6, 1993. Somerset, PA.
  69. **Rasby, R.J.** 1993. How to Develop Producer Driven IRM Programs. Oklahoma State University. October 13-15, 1993. Vinita, Pawhuska, Stillwater, OK.
  70. **Rasby, R.J.** 1992. Nebraska's IRM Concept Program. Golden Sun Feeds, Inc. December 3, 1992. Estherville, IA.
  71. **Rasby, R.J.** 1992. Challenges in IRM. IRM Think Tank. April 7, 1992. Lexington, KY.
  72. **Rasby, R.J.** 1992. Implementation of a Successful IRM Program and Future Challenges. American Society of Animal Science Annual Meeting. August 9, 1992. Pittsburg, PA.
  73. **Rasby, R.J.** 1991. Managing and Feeding Forages to the Cowherd. 4-State Beef Conference. December 10-11, 1991. Tecumseh, NE, Marysville, KS, Maryville, MO and Council Bluffs, IA.
  74. **Rasby, R.J.** 1990. Designing Feeding Programs To Meet the Nutritional Needs of the Cow Herd. 4-State Beef Conference. Washington, KS, Tecumseh, NE, Clarinda, IA, and St. Joseph, MO, December 1990.
  75. **Rasby, R.J.** 1990. Reproductive Efficiency in Beef Cattle. MSG AgVet Beef Cattle Conference. February 4-5, 1990. Denver, CO.
  76. **Rasby, R.J.** 1989. The Range Beef Cow Symposium XI. Results from a Team Approach to Resource Management. December 5-7, 1989. Rapid City, S.D.
  77. **Rasby, R.J.** 1988. Alternative Crops for Beef Cows. 4-State Beef Conference. December 13-14, 1988. Leavenworth, KS, Wymore, NE, Creston, IA, Maryville, MO.
  78. **Rasby, R.J.** 1988. Managing Alternative Crops for Beef Cows. Tri-State Cattle Conference. February, 1988. St. Francis, KS.
  79. **Rasby, R.J.** 1988. Nebraska's Integrated Reproductive Management Project. IRM National Workshop. November 9-11, 1988. Denver, CO.

***In State (only a partial listing)***

1. Rasby Rick, Brent Plugge, Ryan Benjamin, Steve, Niemeyer, Randy Saner, and Wayde Pickenpauh. 2023 - 2024. Cow Clinics. December 19 Valentine, December 20 Atkinson, January 9 North Platte, January 10 Beatrice.
2. **Rasby, R. 2016.** SARE Field Days – Impact of residue removal on grain yield and soil attributes. September 27 and 28; October 20. Ainsworth, Norfolk, Clay Center, Odessa, and Julian.
3. **Rasby, R. 2016.** Beef production in Nebraska. State Farm Insurance Livestock Group. August 11. Lincoln.
4. **Rasby, R. 2016.** Impact of removal of corn residue on grain yield and forage measurements at six cooperator sites. 16<sup>th</sup> Annual Nebraska Grazing Conference. August 9-10. Kearney.
5. **Rasby, R. 2016.** Climate change resources in cooperative extension. Senator Ken Haar’s committee. June 1. Lincoln.
6. **Rasby, R. 2016.** Management strategies for the cow/calf enterprise before and after calving. Cass/Otoe Cattlemen. March 29. Nahawka.
7. **Rasby, R. 2016.** Management when grass is high priced and hay is cheap. Kimball, Chadron, Valentine, and Whitman. January 12 and 13.
8. **Rasby, R. 2015.** Integrated applied research. Departmental Seminar. April 15. Lincoln, NE.
9. **Rasby, R. 2015.** New technology - Mobile apps for cow/calf producers. Women in Ag Conference. February 26, 2015. Kearney.
10. **Rasby, R. 2015.** Evaluating supplementation strategies. 3-State Beef Conference. January 15. Mead, NE.
11. **Rasby, R. 2014.** Extensive and intensive cow/calf management systems. Delegation from China (owners of 240,000 cows). December 8, 2014. Lincoln.
12. **Rasby, R. 2014.** Management strategies in cow/calf production. NYBLS. November 7, 2014. Lincoln.
13. **Rasby, R. 2014.** Nebraska’s SARE Project. CVI. October 1, 2014. Lincoln.
14. **Rasby, R. 2014.** Heifer development strategies. Zoetis Annual Top-Hand Program. September 27, 2014. Omaha.
15. **Rasby, R. 2014.** Livestock corn residue interaction and NE SARE. 2014. Husker Harvest Days. September 8-11, 2014. Grand Island.
16. **Rasby, R. 2014.** Bull management. Trauernicht Appreciation Program. September 4, 2014. Wymore.
17. **Rasby, R. 2014.** Alternative cow-calf enterprises and Measures of reproductive efficiency. Cass-Otoe Cattlemen. April 3, 2014. Syracuse.
18. **Rasby, R. 2014.** Beef Cattle Clearinghouse eXtension website. Australian computer technology delegation. March 31, 2014. Lincoln.
19. **Rasby, R. 2014.** Distillers grains in heifers and backgrounding diets. March 3, 2014. Blair.
20. **Rasby, R. 2014.** Intensive cow/calf systems. Cumming County Cattlemen. February 23, 2014. West Point.
21. **Rasby, R. 2014.** New technology - Mobile apps for cow/calf producers. Women in Ag Conference. February 20, 2014. Kearney.
22. **Rasby, R. 2014.** Mobile apps for cow/calf producers. February 5, 2014. Northeast Community College. Norfolk.
23. **Rasby, R. 2014.** Grazing corn residue with beef cows. February 5, 2014. Northeast Community College. Norfolk.
24. **Rasby, R. 2014.** Alternative beef intensive systems. Beef Profit Workshop. 2014. February 5, 2014. Norfolk.
25. **Rasby, R. 2014.** Alternative cow/calf enterprises. 2014. Three State Beef Conference. January 15, 2014. Beatrice, NE and ARDC.
26. **Rasby, R. 2014.** Options for cow/calf producers with limited pasture. Ranching for Profit

- programs. 2014. January 6-7, 2014. O'Neil, Ainsworth, Thedford, Valentine.
27. **Rasby, R. 2013.** Testing forages for quality, pricing hay and supplements, grazing corn stalks with beef cattle. Mid-Plains Beef Educations Series – Expanding Grazing Options, Pricing Inputs, Reducing Health Problems at Calving. December 16, 2013. Mead, NE.
  28. **Rasby, R. 2013.** An app for that. Cattlemen's College, Nebraska Cattlemen Annual Convention. December 4, 2013. Kearney, NE.
  29. **Rasby, R. 2013.** Management of cows after drought and into the fall and winter. McCook farm Show. November 20, 2013. McCook, NE.
  30. **Rasby, R. 2013.** Dry lot cow feeding options. Middle Niobrara NRD Farm and Ranch Seminar. November 8, 2013. Ainsworth, NE.
  31. **Rasby, R. 2013.** Grazing corn residue and impact on corn yield. Zoetis Beef Meeting. October 1, 2013. Fall City, NE.
  32. **Rasby, R. 2013.** Reproduction and early weaning of confined cows. Eng Cow-calf Conference. Alternative Methods of Improving Cow Efficiency in Times of Stress. September 12-13. Lincoln, NE.
  33. **Rasby, R. 2013.** Confinement feeding beef cows. Diamond Feeds Consultant Training. June 26, 2013. Fremont, NE.
  34. **Rasby, R. 2013.** Ammoniating cornstalks and wheat straw, storing by-products mixed with forages. Sustainable Use of Crop Residues. June 10, 2013. Mead, NE.
  35. **Rasby, R. 2013.** Beef production systems in the US. Hong Kong Vocational Training Center Teachers. June 3, 2013. Lincoln, NE.
  36. **Rasby, R. 2013.** Beef systems in Nebraska and in the US. NE Department of Ag Chinese Delegation. June 3, 2013. Lincoln, NE.
  37. **Rasby, R. 2013.** Beef systems in Nebraska. NE Department of Ag Chinese Delegation. May 30, 2013. Lincoln, NE.
  38. **Rasby, R. 2013.** Beef cow/calf production in Nebraska. Lotte Mart Group. May 29, 2013. Lincoln, NE.
  39. **Rasby, R. 2013.** Update of Beef Spires Programming to Unit Administrators. May 20, 2013. Lincoln, NE.
  40. **Rasby, R. 2013.** Overview of the beef cattle industry in NE and research in Animal Science. US Meat Export Center ASEAN Meat Buyers. May 14, 2013. Lincoln, NE.
  41. **Rasby, R. 2013.** Beef cow-calf industry and systems. Meat Export Federation, Korean Visitors. April 23, 2013. Lincoln, NE.
  42. **Rasby, R. 2013.** Dry lotting beef cows. Zoetis Beef Meeting. March 28, 2013. York, NE.
  43. **Rasby, R. 2013.** Winter feeding considerations. Otoe/Cass County Cattlemen. March 26, 2013. Syracuse, NE.
  44. **Rasby, R. 2013.** Nutrition for the breeding herd, Zoetis Beef Meeting. March 7, 2013. Fullerton, NE.
  45. **Rasby, R. 2013.** Cow/calf management winter and spring. Johnson County Cattlemen Annual Meeting. February 23, 2013. Johnson, NE.
  46. **Rasby, R. 2013.** Management options for the cow herd – early weaning, culling strategies. Mid-Plains Beef Series. Managing Pasture and Forage Resources through the Drought. January 31, 2013. Mead, NE.
  47. **Rasby, R. 2013.** Dry lotting beef cows. 2013. Four-State Beef Conference. January 29, 2013. Beatrice, NE.
  48. **Rasby, R. 2013.** Drought management strategies and culling decisions. January 24, 2013. Bertrand, NE.
  49. **Rasby, R. 2013.** Dry lotting beef cows. Ranching for Profitability Programs. January 22, 2013. Bassett, NE.
  50. **Rasby, R. 2013.** Dry lotting beef cows. Ranching for Profitability Programs. January 22, 2013. O'Neill, NE.

51. **Rasby, R. 2013.** Drought Management Strategies for the Cow/Calf Producer. NETV. January 17 and 24. Lincoln, NE.
52. **Rasby, R. 2013.** Dry lotting beef cows. Ranching for Profitability Programs. January 14, 2013. Lexington, NE.
53. **Rasby, R. 2013.** Dry lotting beef cows. Ranching for Profitability Programs. January 14, 2013. Broken Bow, NE.
54. **Rasby, R. 2013.** Feeding 1<sup>st</sup> calvers after calving, reducing feeding losses, confinement feeding beef cows. Sutton Veterinary Clinic Beef Meeting. January 10, 2013. Sutton, NE.
55. **Rasby, R. 2013.** Grazing corn residue with beef cows. Tri-State Cow-calf Symposium. January 8, 2013. McCook.
56. **Rasby, R. 2013.** Drought Management Strategies for the Cow/Calf Producer. Beef Short Course 2012-2013. NETV. January 17 and 24, 2013. Lincoln, NE.
57. **Rasby, R. 2012.** Winter feeding considerations for the beef cow herd. Beef Short Course 2012-2013 Drought Management Strategies for the Cow/Calf Producer. NETV. December 13, 2012. Lincoln, NE.
58. **Rasby, R. 2012.** Beef production systems and research. Animal Science External Advisory Committee. December 11-12, 2012. Lincoln, NE.
59. **Rasby, R. 2012.** The myth of grazing corn residue. North Central Ag Progress Show. December 11, 2012. Atkinson, NE.
60. **Rasby, R. 2012.** Dealing with high input costs. Nebraska Cattlemen's College. December 5, 2012. Kearney, NE. Developed and moderator of the producer panel.
61. **Rasby, R. 2012.** Drought feeding considerations. Mid-Plains Educational Series. November 29, 2012. Mead, NE.
62. **Rasby, R. 2012.** Drought silage and drought forages in beef cow diets. Platte County Feeders. November 19, 2012. Columbus, NE.
63. **Rasby, R. 2012.** Fall beef cow management strategies. Mid-Plains Beef Educational Series. November 16. Mead, NE.
64. **Rasby, R. 2012.** Managing drought hay and forages. November 15, 2012. Tecumseh, NE.
65. **Rasby, R. 2012.** Effect of drought on the cow/calf enterprise. Husker Nutrition Conference. November 9, 2012.
66. **Rasby, R. 2012.** Dry lotting beef cows. Middle Niobrara NRD Farmer and Rancher Seminar. November 8, 2012. Ainsworth, NE.
67. **Rasby, R. 2012.** Grazing corn stalk residue with beef cows. Middle Niobrara NRD Farmer and Rancher Seminar. November 8, 2012. Ainsworth, NE.
68. **Rasby, R. 2012.** Drought management beef systems in Southeast Nebraska. October 30, 2012. Dalbey-Halleck Research Beef Unit. Virginia, NE.
69. **Rasby, R. 2012.** Beef system research in Southeast Nebraska. October 22, 2012. Dalbey-Halleck Research Beef Unit. Virginia, NE. (Tyler Weishahn, Lower Big Blue NRD)
70. **Rasby, R. 2012.** Impact of drought on cow/calf producers in Nebraska and surrounding states. USDA listening session for Ag Secretary Vilsak. October 9, 2012. Omaha, NE.
71. **Rasby, R. 2012.** Systems to produce high quality beef. Visitors from Korea. October 10, 2012. Lincoln, NE.
72. **Rasby, R. 2012.** State of the beef industry in the US and Nebraska. Brazil Beef Producers. September 19, 2012. Lincoln, NE.
73. **Rasby, R. 2012.** Enhancing forage quality. Center for Grassland Studies Seminar. September 17, 2012.
74. **Rasby, R. 2012.** State of the beef industry in the US and Nebraska. Argentina Beef Producers. August 25, 2012. Lincoln, NE.
75. **Rasby, R. 2012.** Drought management strategies during drought. August 15, 2012. Nebraska Grazing Conference. Kearney, NE.
76. **Rasby, R. 2012.** Managing drought and droughted forages. August 1, 2012. Bertrand Vet Clinic.



- Bertrand, NE.
77. **Rasby, R.** 2012. Drought management strategies for the cow herd. Ranching for Profitability Programs. June 25-28, 2012. O'Neil, Barta Ranch, Broken Bow, Sidney, Kearney, North Platte, Brewster, Valentine, NE.
  78. **Rasby, R.** 2012. State of the beef cattle in the US and beef systems in NE. Pfizer Animal Health, hosting beef producers from Brazil. May 10, 2012. Omaha, NE.
  79. **Rasby, R.** 2012. Bull impact on cow herd productivity. Beef Profitability Workshop. March 28, 2012. Mead, NE.
  80. **Rasby, R.** 2012. Bull impact on cow herd productivity. Beef Profitability Workshop. March 28, 2012. Blair, NE.
  81. **Rasby, R.** 2012. Cow management strategies. March 12, 2012. Pender Veterinary Clinic. Pender, NE. (Dr. Strom)
  82. **Rasby, R.** 2012. Sampling forages and understanding a forage analysis. February 23, 2012. Women in Ag Annual Conference. Kearney, NE.
  83. **Rasby, R.** 2012. Bull management. Cass/Otoe County Feeders. February 16, 2012. Syracuse, NE.
  84. **Rasby, R.** 2012. State of the beef cattle industry and impact on Nebraska. Mid American Alfalfa Expo and Conference. February 8, 2012. Kearney, NE.
  85. **Rasby, R.** 2012. Grazing corn stalks with beef cows and supplementation strategies. Stanton and Humphry, NE. January 10, 2012.
  86. **Rasby, R.** 2011. Forage sampling and analysis: What the numbers mean and how to use the numbers. Beef Short Course 2011-2012. NETV. December 22, 2011.
  87. **Rasby, R.** 2011. Body condition scoring beef cows, testing forages, and managing calving and calving difficulty. Agriculture Development Training 3 (ADT3) for military being deployed to Afganistan. Lincoln, NE. December 13, 2011.
  88. **Rasby, R.** 2011. Grazing beef cows on corn stalks and using the corn stalk grazing Cow-Q-lator. Mid-Plains Beef Education Series. November 16, 2011. Mead, NE.
  89. **Rasby, R.** 2011. Grasslands: A vital component of the livestock industry. Center for Grassland Studies Citizen Advisory Council Meeting. Lincoln, NE. October 28, 2011.
  90. **Rasby, R.** 2011. Beef production in the United States and Nebraska. October 23, 2011. Beef producers and consultants from Brazil-FAMATO that manage over 55,000 head of cattle. Lincoln, NE.
  91. **Rasby, R.** 2011. Managing cow body condition and use of distillers grains in cow and backgrounding diets. Bull and Cow Clinics. October 27, 2011. North Platte and McCook.
  92. **Rasby, R.** 2011. Beef production in the United States and Nebraska. September 13-19, 2011. 8 Beef producers and consultants from Argentina that manage over 30,000 head of cattle. Lincoln, NE.
  93. **Rasby, R.** 2011. Heifer development strategies. 18 beef producers touring from Iowa. July 6, 2011. Lincoln, NE.
  94. **Rasby, R.** 2011. Commodity by-product feeding in cow/calf and stocker operations. MERK Animal Health Beef College. Lincoln, NE. August 9-11, 2011.
  95. **Rasby, R.** 2011. Finishing heifers on grass using distillers grains. Barta Ranch Field Day. Barta Ranch. June 28, 2011.
  96. **Rasby, R.** 2011. Adding value to your cow/calf enterprise. 26<sup>th</sup> Nebraska Women in Agriculture Conference. Kearney, NE. February 17-18, 2011.
  97. **Rasby, R.** 2011. Preparing the cow herd for calving. Beef Profitability Workshops. Blair, NE and Mead, NE. February 3, 2011.
  98. **Rasby, R.** 2011. Feeding ethanol by-products to forage fed cattle. Farmers and Ranchers Cow/Calf College. Clay Center, NE. January 18, 2011.
  99. **Rasby, R.** 2011 (January). Winter management strategies. Market Journal. Aired NET1 and NET2. Episode aired 6 times.
  100. **Rasby, R.** 2010. Body condition scoring beef cows, testing forages, and managing calving and

- calving difficulty. Agriculture Development Training 2 (ADT2) for military being deployed to Afganistan. Lincoln, NE. December 7, 2010.
101. **Rasby, R.** 2010 (December). Managing and understanding cow body condition. Market Journal. Aired NET1 and NET2. Episode aired 6 times.
  102. **Rasby, R.** 2010. Managing considerations when grazing cows in corn fields that have excessive eardrop. Market Journal. Aired NET1 and NET2. September 10, Episode aired 6 times.
  103. **Rasby, R.** 2010. Use of by-products in cow/calf enterprise. August 18. Ethanol By-products Storage Conference. Southeast Community College. Beatrice, NE.
  104. **Rasby, R.** 2010. Mid-Plains beef practicum for beef cattle learning opportunities. July 2. Market Journal. Aired NET1 and NET2. Episode aired 6 times.
  105. **Rasby, R.** 2010. Using body condition score as a management tool to design the feeding program for the beef herd. Grain by-product nutrient quality, storage and use in the cow/calf enterprise. June 23. 4<sup>th</sup> Annual Ag Teachers VIP Day. Mead, NE.
  106. **Rasby, R.** 2010. Corn grain by-products: Nutrient composition, use, in cow/calf enterprise and storage. June 18. Nebraska Veterinarian Medical Association. Summer Meeting Continuing Education. Columbus, NE.
  107. **Rasby, R.** 2010. Cow/calf systems in Nebraska. June 17. Beef producers and consultants from Argentina that manage over 55,000 head of cattle. Lincoln, NE.
  108. **Rasby, R.** 2010. Beef production in the United States and Nebraska. June 10. Beef producers and consultants from Argentina that manage over 55,000 head of cattle. Lincoln, NE.
  109. **Rasby, R.** 2010. Webinar for cow/calf producers to learn management strategies. April 16. Market Journal. Aired NET1 and NET2. Episode aired 6 times.
  110. **Rasby, R.** 2010. Young female management after calving. Cost effective mineral programs. Invited by Nebraska Cattlemen Organization. March 28. Nehawka, NE.
  111. **Rasby, R.** 2010. Assisting cows at calving. Year-round mineral program for the beef cow herd. Invited by Pfizer Animal Health. March 22. St. Paul, NE.
  112. **Rasby, R.** Using body condition scoring to manage the feeding program. Assisting the cow at calving. Invited by Pfizer Animal Health. March 8. Palmer, NE.
  113. **Rasby, R.** 2010. Ready or not, here comes the calves. February 26. 25<sup>th</sup> Women in Agriculture Conference. Kearney, NE.
  114. **Rasby, R.** 2010. Feeding beef cows prior to calving. February 5. Market Journal. Aired NET1 and NET2. Episode aired 6 times.
  115. **Rasby, R.** 2010. Combating high input costs in the cow/calf enterprise. January 28. Ag Management Expo. Beatrice, NE
  116. **Rasby, R.** 2010. Freezing weather and cattle management considerations. January 8. Market Journal. Aired NET1 and NET2. Episode aired 6 times.
  117. **Rasby, R.** 2009. Management tips to increase profit potential in the cow herd enterprise. Sire Selection and Cow Herd Management Clinics. September 21, 22, 24. Southeast Community College, Beatrice; Nebraska College of Technical Agriculture, Curtis; Northeast Community College, Norfolk, NE.
  118. **Rasby, R.** 2009. Use of co-products for cow-calf producers. Nebraska Simmental Association Summer Field Day. July 25. Arlington, NE.
  119. **Rasby, R.** 2009. Weaning calves early from 1<sup>st</sup>-calf-females. Market Journal. July 10. Viewed in 40,000 homes
  120. **Rasby, R.** 2009. Managing the beef cow in heat stress condition. Market Journal. July 1. Viewed in 40,000 homes
  121. **Rasby, R.** 2009. Feeding distillers grains in the dry-lots for cows and replacement heifers. Ethanol Co-product Storage and Utilization in Beef Systems Conference. June 3-4. ARDC, Mead, NE.
  122. **Rasby, R.** And B. Plugge. 2009. Using decision support tools that are on the web in a beef operation. 24<sup>th</sup> Nebraska Women in Agriculture Conference. February 26-27. Kearney, NE.
  123. **Rasby, R.** 2009. Cow/calf management systems to attack feed costs, testing forages to save a

- dollar, using forage analysis to purchase needed nutrients. Beef Profitability Workshops. January 26. Blair and Mead, NE.
124. **Rasby, R.** 2009. Handling high input costs. 2009 Partners in Progress. Farmers & Ranchers Cow/Calf College. January 20. Clay Center, NE.
  125. **Rasby, R.** 2009. Production tips to increase profit potential in the cow/calf enterprise. 9<sup>th</sup> Annual Beef Satellite Short Course. 12 sites across NE.
  126. **Rasby, R.** 2009. Ready your cow herd for calving. Nebraska Cattlemen Jefferson County Affiliates. January 7. Fairbury, NE.
  127. **Rasby, R.** 2008. Using decision support tools. Cattlemen's College. 2008 Nebraska Cattlemen Annual Convention. December 10. Kearney, NE.
  128. **Rasby, R.** 2008. Body condition and examples of by-product feeds. Sire Selection and Cow Herd Management Clinics. December 1, 2, 3, 4. Blue Hill, O'Neill, Burwell, Bridgeport, NE.
  129. **Rasby, R.** 2008. Low cost planning for the cow herd. Nebraska Cattlemen Region 8 Affiliates (Exeter, Lancaster/Seward, South Central, Southeast and Thayer). November 25. Beatrice, NE.
  130. **Rasby, R.** 2008. Fall/winter checklist for the beef cow herd. Nebraska Cattlemen Platte County Affiliate. November 17. Columbus, NE.
  131. **Rasby, R.** and Aaron Stalker. 2008. By-product use in backgrounding and cow/calf operations. Breeze Presentation. October 31, 2008. University of Nebraska Extension Ethanol and Biofuels Workgroup. Lincoln, NE.
  132. **Rasby, R.** 2008. Attacking high input. Forage sampling, packaging, and interpreting results. Market Journal. October 30, 2008. Viewed by 40,000 households, regionally.
  133. **Rasby, R.** 2008. Attack high input in the cow/calf enterprise. Co-sponsored by Nebraska Cattlemen and UN Extension. June 26, August 21, September 16, 17 and October 15, 2008. Gibbon, Kearney, Columbus, Neligh, Chambers, NE.
  134. **Rasby, R.** 2008. Utilizing co-products in a beef livestock operation. Eighth Annual Nebraska Grazing Conference. August 12, 13 2008. Kearney, NE.
  135. **Rasby, R.** 2008. The beef industry in Nebraska. Argentine Agriculturists. August 22, 2008. Lincoln, NE.
  136. **Rasby, R.** 2008. Feed issues cow/calf. Ethanol co-products storage and utilization conference. North Central Region SARE Project. May 19, 20 2008. Mead, NE.
  137. **Rasby, R.** 2008. Beef FAQs in eXtension websites. Celebrating Nebraska's Leadership in the National eXtension effort. March 17, 2008. Lincoln, NE.
  138. **Rasby, R.** 2008. Ethanol byproducts in small cow/calf operations. York-Hamilton Cattlemen. March 10, 2008. Aurora, NE.
  139. **Rasby, R.** 2008. Utilizing distillers in the cow/calf operation. Ethanol-the impact and opportunities it has for Nebraskans. February 19 2008. Geneva, NE.
  140. **Rasby, R.** 2008. Corn grain by-products: Nutrient content, use, and storage for beef cattle. Nebraska Agri-Business 2008 Mid-Winter CCA CEU Conference. February 12, 13, 2008. Grand Island, NE.
  141. **Rasby, R.** 2008. Feeding co-products. Veterinary Appreciation Night - Pender Vet Clinic. February 4, 2008. Pender, NE.
  142. **Rasby, R.** 2008. Getting cows ready for calving using body condition scoring. Market Journal. January 15, 2008. Viewed by 40,000 households, regionally.
  143. **Rasby, R.** 2008. Ethanol co-products - cow/calf operation application. 2008 Partners in Progress. Farmers & Ranchers Cow/Calf College. January 22. Clay Center, NE.
  144. **Rasby, R.J.** 2007. What we have learned about ethanol byproducts in the past year. Beefing up the bottom line. Beef Satellite Series down linked at 17 location across NE. November 26 and December 10, 2007 and January 14 and 28, 2008
  145. **Rasby, R.** 2007. Ethanol byproduct use for cow/calf producers. December 5, 2007. Mead,
  146. **Rasby, R.J.** 2007. The impact of ethanol on the beef cattle industry. Center for Grassland Studies Advisory Council Meeting. October 19, 2007. Lincoln, NE.

147. **Rasby, R.J.** 2007. eXtension Beef Cattle Clearinghouse website. Extension Fall Conference. October 16, 2007. Grand Island, NE.
148. **Rasby, R.J.** 2007. Use of distillers grains in backgrounding and cow/calf systems. 2007 Center for Grassland Studies Seminar Seris. October 15, 2007. Lincoln, NE.
149. **Rasby, R.J.** 2007. Corn by-products in cow diets, heifer development and backgrounding diets, and storage and handling issues for cow/calf producers. Beatrice, NE.
150. **Rasby, R.J.** 2007. Use of distillers grains in cow/calf enterprise in Nebraska. Biofuels Forum. July 27, 2007. Lincoln, NE.
151. **Rasby, R.J.** 2007. Distillers grains: Storage and use for cattle. Saunders Count Twilight Tour. July 24, 2007. Mead Cattle Company - E3 Biofuels.
152. **Rasby, R.J.** 2007. Cattle that fit the environment and why. 2007 Ranch Stewardship Tour. June 27-28, 2007. Elkhorn, NE.
153. **Rasby, R.J.** 2007. Verification is a key to foreign markets. Market Journal, April 21, 2007. Lincoln, NE.
154. **Rasby, R.J.** 2007. Ethanol plant by-product rations used in beef cattle and heifer development. Grazing to Feeding Seminar. April 2, 2007. Grand Island, NE.
155. **Rasby, R.J.** 2007. Using distillers grains for the cow/calf enterprise. March 26, 2007. Burwell and Taylor, NE.
156. **Rasby, R.J.** 2007. Using distillers grains in beef cattle diets. Purina/Land-O-Lakes Producers Meetings. March 13, 2007. Liberty and Virginia, NE.
157. **Rasby, R.J.** 2007. Distillers grains: Feeding, handling, and storage. Cumming County Feeders. March 4, 2007. West Point, NE.
158. **Rasby, R.J.**, 2007. Utilizing distillers grains for cow/calf producers. Golden triangle Meeting - Corn, Ethanol, and Cattle. February 27, 2007. Fairmont, NE
159. **Rasby, R.J.** 2007. Feeding and storing distillers grains. Lancaster/Seward Cattlemen Meeting. February 25, 2007. Cortland, NE.
160. **Rasby, R.J.** 2007. Distillers grains as a feed resource for cow/calf producers. 2007 Herd Solutions Pfizer Programs. February 7, March 6, 22, 27, and 29, Tecumseh, Hastings, Superior, Palmer, Madison, and Kearney, NE.
161. **Rasby, R.J.** 2007. Distillers grains in beef cattle diets. Clay/Thayer County Cattlemen Meeting. January 18, 2007. Cowles, NE.
162. **Rasby, R.J.** 2007. Heifer development programs using distillers grains. Eastern Nebraska Beef Expo. January 13, 2007. South Bend, Nebraska.
163. **Rasby, R.J.** 2007. Storing distillers grains. Market Journal. January 12, 2007. Mead, NE.
164. **Rasby, R.J.** 2006. Feeding considerations for cow/calf, backgrounding, and heifer development. Targeting 2007 Satellite Series. December 11, 2006. Lincoln, NE.
165. **Rasby, R.J.** 2006. Cow/calf industry in the United States and Nebraska. BQA program for beef cattle producers. November 6, 2006, Lincoln, NE. Moroccan Program, Beef 101.
166. **Rasby, R.J.** 2006. United States animal identification program. September 14-15, 2006. 22<sup>nd</sup> Nebraska Women in Agriculture. Kearney, NE.
167. **Rasby, R.J.** 2006. Distillers in heifer diets, heat stress on reproduction, and distillers as a supplement for cows. September 26, 2006. Kentucky Cattlemen. Lincoln, NE.
168. **Rasby, R.J.** 2006. 4 programs: Grazing corn stalks with beef cows, ammoniation of low quality forages, drought management strategies for cow/calf producers, and distillers grains in cow/calf and heifer development programs. January 27, March 17, July 7, and July 21, 2006. Market Journal.
169. **Rasby, R.J.** 2006. Cow/calf drought management strategies. August 30, 2006. Gudmundsen Sandhill Laboratory 7<sup>th</sup> Annual Open House and 25<sup>th</sup> Anniversary Celebration. Whitman, NE.
170. **Rasby, R.J.** 2006. 2006 Nebraska Angus tour: Touring southeast Nebraska's premier angus breeders. August 18, 2006. Dalbey-Halleck Research Unit. Virginia, NE.

171. **Rasby, R.J.** 2006. Assuring beef quality strategies: Feedstuffs management. June 6, Bladen, June 28, West Point, Sept. 7, Beatrice. BQA NE Cattlemen and Pfizer Animal Health.
172. **Rasby, R.J.** 2006. Drought management strategies for cow/calf producers and handling challenges and alternatives for distillers grains. August 28-29, 2006. Bassett, Springview, O'Neil, and Valentine, NE.
173. **Rasby, R.J.** 2006. Drought management strategies for cow/calf producers. Drought Satellite Program. July 5<sup>th</sup>, 2006. Lincoln, NE.
174. **Rasby, R.J.** 2006. Distillers grains in the cow/calf enterprise. Iowa State Extension. May 9, 2006. ARDC Mead, NE.
175. **Rasby, R.J.** 2006. Distillers grains in cow/calf feeding programs. Adams County Cattlemen. February, 21, 2006. ARDC Mead, NE.
176. **Rasby, R.J.** 2006. Use of distillers in backgrounding, heifer development, and cow supplementation programs. Tecumseh Veterinary Clinic Appreciation Meeting, February 1, 2006. Tecumseh, NE.
177. **Rasby, R.J.** 2006. Nutrient requirements and feeding cows in dry lot conditions. January 24, 2006. Farmers & Ranchers Cow/Calf College: 2006 Partners in Progress - Beef Seminar, Clay Center, NE.
178. **Rasby, R.J.** 2006. Cow supplementation with ethanol by-products and corn stalks. January 14, 2006. Eastern NE Beef Expo. South Bend, NE.
179. **Rasby, R.J.**, 2006. Low cost cow/calf management strategies. January 18, 2006. West Point, Lyons, and Blair, NE.
180. **Rasby, R.J.** 2005. Animal identification program and impact on marketing of calves. Prepared for the in-depth beef satellite short-course, 21 downlink sites across Nebraska, December 12 and 19, 2005 January 23 and 30, 2006.
181. **Rasby, R.J.** 2005. Evaluating corn stalks - carrying capacity and diets, and diet quality. November 15, 2005. Integrated Beef - forage systems short course. North Platte.
182. **Rasby, R.J.** 2005. Grazing corn stalks with beef cows. September 30, 2005. Market Journal.
183. **Rasby, R.J.** 2005. Animal ID. September 15, 2005. 21<sup>st</sup> Women in Agriculture Conference.
184. **Rasby, R.J.** 2005. Assuring beef quality strategies: Feedstuffs management. July 22 and August 15, 2005. BQA Nebraska Cattlemen and Pfizer Animal Health.
185. **Rasby, R.J.** 2005. Condition scoring beef cows and impact on management. January 25, 2005. Farmers and Ranchers College. Clay Center, NE.
186. **Rasby, R.J.** 2005 Production management techniques that impact carcass quality. Beef Satellite Short Course. January 18, 2005. 21 downlink sites.
187. **Rasby, R.J.** 2004. Use of corn by-products in cow diets. Farmers & Ranchers College, U.S. Meat Animal Research Center, Clay Center, NE January 21, 2004.
188. **Rasby, R.J.** 2004. Managing young females to increase years in the herd. Prepared for the in-depth satellite short-course, 17 downlink sites across Nebraska, January 12, 19, 26 and February 2, 9 2004.
189. **Rasby, R.J.** 2002. Stretching Your Forage Resources. Nebraska Cattlemen Convention. December 11, 2002. Kearney, NE.
190. **Rasby, R.J.** 2002. Alternative Feeds for Beef Cows. Nebraska Forage and Grassland Council Annual Meeting. January 2002. Lincoln, NE.
191. **Rasby, R.J.** 2000. Managing Beef Cows in Drought Conditions. Nebraska Farm Bureau Annual Meeting. December 4, 2000. Kearney, NE.
192. **Rasby, R.J.** 2001. Winter Feeding Alternatives When Forage Supply is Tight. Forage and Grassland Days 2001. January 4, 2001. Lincoln, NE.
193. **Rasby, R.J.** 2001. Feeding Programs for Cows with Limited Forages. Farmers & Ranchers College Partners in Progress Beef Seminar. January 10, 2001. Clay Center, NE.
194. **Rasby, R.J.** 2001. Cow Nutrition and Reproduction Interaction. Strategies for Grazing Land Management, Improvement and Profitability. February 7, 2001. Pawnee City, NE.

195. **Rasby, R.J.** 2001. Weaning Systems - Production and Economic Considerations. Cow Calf Forage Field Day. August 28, 2001. ARDC Mead, NE.
196. **Rasby, R.J.** 2000. Weaning Age Considerations and the Effect on Production and Economics of Spring Calving Cows. Beef Cattlemen's Roundups. January 18, 19, 20, 21, 2000. Ainsworth, North Platte, Gordon, Broken Bow.
197. **Rasby, R.J.** 1999. A Web Site for Cow/Calf Producers. Midwest Teaching Learning Technology Conference. September 24, 1999, Lincoln, NE.
198. **Rasby, R.J.** 1999. Feeding Poor Quality Hay to Beef Cows. Forage and Grassland Days 1999. January 7, 1999. Lincoln.
199. **Rasby, R.J.** 1998. True Value Meat Production - Leanness or Marbling, a Cow/Calf Perspective. SimPlace '98. December 3-5, 1998, Lincoln, NE.
200. **Rasby, R.J.** 1998. Crop Residues for Beef Cows. Forage and Grassland Days. January, 1998, Lincoln, NE.
201. **Rasby, R.J.** 1998. Weaning Date and Carcass Quality. Beef Marketing Task Force. October, 1998, Lincoln, NE.
202. **Rasby, R.J.** 1997. Weaning Date Effect on Beef Cattle Production. NE Society for Range Management. October, 1997, Omaha, NE.
203. **Rasby, R.J.** 1997. Nebraska Angus Tour. Results when Selecting For Marbling. September, 1997, Filley, NE—K-C Cow/Calf College. June 2-6, 1997. NCTA, Curtis, NE.
204. **Rasby, R.J.** 1997. Beef Cattle Producer Interest in Educational Programming. North Central Regional Extension Specialist Tri-Annual Workshop. May 19-22, 1997, Lincoln, NE.
205. **Rasby, R.J.** Winter and Summer Stocker Programs. 1997 Beef Cow Roundup. February 1998, Superior, NE.
206. **Rasby, R.J.** 1997. Ionophores, Antibiotics and Minerals on pasture. Forage and Grassland Days. January, 1997, Lincoln, NE.
207. **Rasby, R.J.** 1996. —K-C Cow/Calf College. June 10-14, 1996. NCTA, Curtis, NE.
208. **Rasby, R.J.** 1996. Applied Genetics and Reproductive Management. Cow/Calf College, January 16-18. 1996. Clay Center, NE.
209. **Rasby, R.J.** 1995. Beef Cow Nutrition and Body Condition Scoring. Cattlemen's Satellite Short Course. December 6, 1995. Lincoln, NE.
210. **Rasby, R.J.** 1991. Minimizing Your Winter Feed Bill. NE Forage and Grassland Days. January 10, 1991. Lincoln. NE.
211. **Rasby, R.J.** 1990. Integrated Resource Management. Beef Cattlemen Roundups. January 15-19, 1990. 5 locations in Nebraska.
212. **Rasby, R.J.** 1990. Integrated Resource Management. Centra Soy Beef Cattle Conference. April, 1990. Grand Island, NE.
213. **Rasby, R.J.** 1990. Low Input Sustainable Agriculture Beef & Forage Conference. June 13-14, 1990. Omaha, NE.
214. **Rasby, R.J.** 1990. National Sustainable Agriculture & Natural Resource Conference. August 15-18, 1990. Lincoln, NE.
215. **Rasby, R.J.** 1990. Nebraska's Approach to Resource Management. Land-O-Lakes Beef Conference. September, 1990. Seward, NE.
216. **Rasby, R.J.** 1989. What Can Be Learned From IRM. 92nd Annual Nebraska Veterinary Medical Association Convention. January 23, 1989. Kearney, NE.
217. **Rasby, R.J.** 1989. IRM Past and Future. Annual Nebraska Cattlemen Convention. August 21, 1989. Kearney, NE.
218. **Rasby, R.J.** 1989. Results of IRM. NE Society of Range Management Annual Meeting. October 12, 1989. Grand Island, NE.
219. **Rasby, R.J.** 1989. Crop Pest Management Update, December 18-19, 1989, Kearney, NE.

### ***In-Service Training***

1. 2008 to 2016 (Spring). Developed and delivered Animal Beef Group Meeting. Designed to network Animal Science researchers and research with extension educators.
2. 2014. Managing beef cows in confinement. 2014. Iowa State Extension In-service. March 19. Des Moines, IA. (**Rasby, R.**)
3. Management considerations when grazing corn stalk residue. Fetal programming in beef cows. Iowa State University Area Livestock Specialist. Ames, IA. October 27, 2010. (**Rasby**)
4. Post-meeting evaluation tool, follow-up. Beef Spires Educators. October 13, 2010. Fall Conference. Kearney, NE. (Randle, **Rasby**)
5. BRANDS training. Beef Spires Educators. September 30, 2010. North Platte. (Stalker, Jenkins, **Rasby**)
6. Post-meeting evaluation tool. Beef Spires Educators. Webinar. August 19, 2010. (**Rasby, Randle**)
7. NHTC – Opportunities to add value to beef calves. Beef Spires Educators. Webinar. March 30, 2010. (**Rasby, Lynn Gordon**)
8. Low cost heifer development programs. Use and storage of corn byproducts for the cow/calf producer. In-service training for veterinarians in Iowa. McNay Research Farm, Iowa State University. May 20, 2010. (**Rasby**)
9. UNL Beef website and an introduction to eXtension. Iowa State University Area Livestock Specialist. Des Moines. March 17, 2010. (**Rasby**)
10. Addressing high input costs in the beef cattle industry. Breeze Session with Extension Educators - September 28, 2008. (**Rasby, Vasconcelos**)
11. International marketing opportunities for beef producers. September 17, 2007. (**Rasby, Mark, Erickson**)
12. Storage of WDGS and solubles, Topic I presented. April 5, 2007. Lincoln, NE (developed by Erickson and Plugge)
13. Use of ethanol co-products in ruminants. Mid West ASAS/ADSA Extension Symposium. March 13, 2005. Des Moines, IA (developed by NRC-87, **Rasby** on the symposium committee)
14. Ration formulation using BRANDS. September 13, 2004. Kearney, NE (Developed by **Rasby** and Bauer)
15. Using the 1996 NRC for Beef Cattle Nutrient Requirements. March 26 and April 13, 2004. North Platte and Norfolk, NE. (Developed by **Rasby** and Bauer).
16. Management of the two-year-old cow. Mid West ASAS/ADSA Extension Symposium. March 16, 2004. Des Moines, IA (developed by NRC-87, **Rasby** on the symposium committee).

### ***Accomplishments/Delivered Outputs***

Item	1986-1991	1992-1997	1998-2003	2004-2009	2010-2015	2016-2021	2022-2027
Journal Articles	6	5	5	4	7	5	
Journal Abstracts	12	11	5	11	13	3	2
Beef Reports	9	9	6	12	11	4	2
Book Chapters			1				
Proceeding Papers	28	20	12	28	18	2	1
NebGuides	2	4	2	3	11		
Extension Circulars		2	3	3	5		
Fact Sheets	2	6	5	2			
Popular Press Articles	29	20	24	57	99	17	4
BeefWatch Articles							3

Satellite Programs	2	3	4	4	4		
In-service Training	1	4	1	6	9	5	4
Invited Presentations Out-of-State In-State	8 49	9 67	5 72	17 75	33 106	1 8	1 4
YouTubes			12	9	9	4	2
Mobile Applications					3		
Podcasts			3	4	2	1	1
Website Developed		beef.unl.edu					
Learning Modules		2	2	2			
Computer Program	PC-Cowcard						
Graduate Students – major advisor		2	2	5	1	3	
Grants Funded, \$	\$194,684	\$35,318	\$878,598	\$712,998	\$587,513	\$300,000	
Courses Taught (number of students)				ASCI 455 (155)	ASCI 455 (295) ASCI 451/851 (57)	ASCI 455 (58)	ASCI 481 (17) 2023 raised \$18,100

## Doctor of Philosophy or Master Candidates

### *Major Advisor*

1. Cox, J.
2. Ulmer, K. Managing corn residue and double cropped forages in crop and livestock systems. 2016. M.S.
3. Warner, J.M. Production and economic efficiency of intensified cow-calf management systems. 2015. Ph.D.
4. Mracek, J.M. Use of distillers grains in alternative beef heifer systems. 2014. M.S.
5. Warner, J.M. 2012. Utilization of corn condensed distillers soluble and forages in management systems for the cow-calf enterprise. M.S.
6. Kovarik, L.M. 2009. Supplementing dried distillers grain-based cube to beef cows in late gestation while grazing cornstalk residue. M.S.
7. Peterson, M.M. 2009. The effects of wet distillers grains plus solubles and condensed corn distillers solubles ensiled with wheat straw on performance of growing steers. M.S.
8. Hall, Z.C. 2007. Dried distillers grains supplementation to beef cows in late gestation while grazing cornstalk residue. M.S.
9. McGee, D. 2007. Effects of summer climatic conditions on body temperature in beef cows. M.S.
10. Martin, J.L. 2004. Effects of lipid supplementation in cattle. M.S. Co-advisor
11. Amundson, J.L. 2004. Evaluation of environmental effects on reproduction in beef cows. M.S. Co-advisor
12. Anderson-Vinton, R. 2002. An evaluation of cow/calf management strategies to improve economic efficiency. M.S.
13. Story, C.S.III. 1998. Effects of calf age at weaning on spring-calving cow and calf performance and production economics. M.S.

### *Committee Member*

1. Addison Carroll, Ph.D. 2023. Ruminant Nutrition. Examining factors of variance in energy metabolism in dairy cattle.
2. Brasche, C.J. 2015. Effect of a trace mineral injection on beef cattle performance. M.S.
3. Redden, M.D. 2013. Effect of stocking density on primary production on Nebraska sand hills



- meadow. M.S.
4. Weber, B.M. 2012. Effects of feeding insect-protected corn and residue to cattle, and evaluation of distillers grains storage when mixed with crop residue on cattle performance. M.S.
  5. Weber, S.P. 2011. Utilization of corn residue, winter range, or dry lot, in beef heifer development systems. M.S.
  6. Gigax, J.A. 2011. Animal performance and diet quality while grazing corn residue. M.S.
  7. Bohling, T. 2011. Economic analysis of keeping a nonpregnant cow. M.S.
  8. Traore, Doussou. 2010. An analysis of supply contract in the livestock and meat markets of the United States. M.S.
  9. Wilken, M.F. 2009. Use of ethanol byproduct in growing and finishing beef cattle diets. M.S.
  10. Waterbury, J.A. 2008. The economics of corn co-products in the Nebraska beef cattle industry. M.S.
  11. Loza, P.L. 2008. The use of corn milling byproducts on adaption and finishing cattle diets, their effects on ruminal pH and rates of passage and digestion determinations. Ph.D.
  12. Adams, D.R. 2008. Effect of sorting by weight and time of year on finishing performance, carcass characteristics, and economic. M.S.
  13. Greenquist, M.A. 2008. Nitrogen use efficiency of dried distillers grains and nitrogen fertilizer in forage based livestock production systems. Ph.D.
  14. Martin, J.L. 2006. Effect of protein supplementation and source in cow/calf systems and heifer development. Ph.D.
  15. Harris, H.L. 2005. Utilization of soybeans or corn milling co-products in beef heifer development diets. M.S.
  16. Creighton, K.W. 2004. Heifer development systems for march-born heifers and improving pregnancy rates in June-calving cows. Ph.D.
  17. Loy, T.W. 2003. Utilization of grain milling byproducts in high-forage diets. Ph.D.
  18. Brewer, P. 2003. Carcass characteristics and palatability attributes of calf- and yearling- finished steers. M.S.
  19. Cerkoney, W.M. 2002. Growth promoting agents to reduce climatic stress in feedlot cattle. Ph.D.
  20. Macken, C.N. 2001. Effects of final implant type and the supplementation of MGA on finishing heifer performance, carcass characteristics, and feeding economics. Ph.D.
  21. Mussard, M.L. 2000. Regulation of FSH synthesis and control of ovarian follicular development in beef cattle. M.S.
  22. Davis, T.L. 2000. Endocrine regulation to enhance luteal function in cattle. M.S.
  23. Martin, M.L. 2000. Regulation of FSH and control of ovarian follicular development in beef cattle. M.S.
  24. Koch, J.W. 1999. Endocrine mechanism and ovarian follicular development in prepubertal heifers. M.S.
  25. Mejia, I.H. 1999. Nutritional factors that influence phosphorus availability and indicators of phosphorus status of ruminants. M.S.
  26. Ehnis, L.R. 1998. Evaluation of a progesterone containing intravaginal insert for estrous cycle control in cattle. M.S.
  27. Muehlenbein, E.L. 1998. Pre-and post-calving copper supplementation of 2-year-old cows on calf health and immunity and cow reproduction. M.S.
  28. Bueno, A.R. 1997. Physiological evaluation of weaning stress in beef calves. M.S.
  29. Fike, K.E. 1997. Regulation of LH secretion by progestins and their use in estrous synchronization programs in beef cattle. Ph.D.
  30. Diop, M. 1997. Design and analysis of open nucleus breeding systems for cattle in Senegal. Ph.D.
  31. Bergfeld, E.G.M. 1996. LHRH modulation of pituitary function and LH modulation of ovarian follicular growth during sexual maturation in beef cattle. Ph.D.
  32. Cappel, T.G. 1996. An evaluation of dystocia and the endocrine response to stress in the primiparous heifer and calf. Ph.D.

33. Olson, P.A. 1996. Effects of supplementing trace minerals after calving on productivity of two-year-old cows. M.S.
34. Vieselmeier, B.A. 1993. Production and economic interactions of extensive beef production systems. M.S.
35. Bergfeld, E.G.M. 1993. Puberty in the beef heifer. M.S.
36. Gwartney, B.L. 1993. Electromagnetic scanning of beef quarters and primals to predict lean content. Ph.D.
37. Martin, P.R. 1993. Trace mineral metabolism in beef cattle and mineral concentrations of smooth brome and native grasses. M.S.
38. Hancock-Wachal, R.F. 1992. Effects of synovex C implants on growth rate, pelvic area, reproduction, and calving performance of replacement heifers. M.S.
39. Kojima, N. 1991. Regulation of circulating concentrations of LH, FSH, 17B-estradiol in the bovine by synthetic progestins and progesterone. Ph.D.

### ***Programs related to Student Recruiting***

1. Eleanor Wagner. Petersburg, NE, Boone Central High School.
2. Nicole Barry. Wahoo Public Schools. Wrote letter August, 2010. Enrolled Fall 2011.
3. Lincoln, NE. FFA livestock management contest - beef. April 9, 2010. Lincoln, NE.
4. Patrick Heerten, Keya Paha County High School. Recruited with Denny Bauer. Personal visit in Lincoln, NE, December 2, 2009. Enrolled Fall, 2010. Grazing Livestock Systems Major.
5. Southeast Community College, Beatrice; Nebraska College of Technical Agriculture, Curtis; Northeast Community College, Norfolk, NE. Management tips to increase profit potential in the cow herd enterprise. Sire Selection and Cow Herd Management Clinics. September 21, 22, 24 2009. 2010.
6. Ord, NE. BQA, mechanisms and use of ionophores and implants in beef cattle. June 18, 2009. 2009
7. Ord, NE. The basics to ruminant nutrition. May 14, 2008. (in cooperation with Scott Brady)
8. Lincoln, NE. FFA livestock management contest - beef. April 4, 2008. Lincoln, NE.
9. Lincoln, NE. Opportunities in animal science and the impact of distiller grains on Nebraska producers. Elmwood/Murdock HS. January 18, 2008.
10. Ord, NE. Opportunities in animal science and the impact of distiller grains on Nebraska producers. May 22, 2007.
11. Lincoln, NE. 4-H Livestock Quiz Bowl. Designed the beef stop. June, 2007.
12. NCTA Day. Lincoln, NE. Made presentation about the impact of the ethanol industry on the beef cattle industry. April 20, 2007.
13. Lincoln, NE. FFA livestock management contest - beef. March 30, 2007.
14. Kearney, NE . The amazing rumen. September 20, 2006. Buffalo County Area Schools (in cooperation with Brent Plugge)
15. Ord, NE. Science in animal science: anatomy and physiology of the reproductive axis in farm animals. May 10, 2006.(in cooperation with Scott Brady)
16. Ord, NE. 4-H production beef project. May 25, 2005. Ord, NE. (in cooperation with Scott Brady)

### ***Teaching***

#### **Lecture/Recitation**

1. ASCI 481 Beef Scholars Summit – 100% responsibility, 2023 to present
2. ASCI 455 Cow/calf Production – 100% responsibility, 2004 to 2012
3. ASCI 455 Cow/calf Production – 66% responsibility, 2013 to 2016
4. ASCI 451/851 Management of Livestock on Range and Pasture – 50% responsibility, 2013 – 2016.

#### **Honors Thesis**

1. Jeremy Haack. Comparative analysis of the productivity and profitability of spring, summer, fall, and dual calving seasons. Honors Thesis. ASCI 499H. 2006

### **Internships – Primary Advisor**

1. Albert, Wes – ASCI 496, Confinement cow operation, Steve Weise, Summer 2015.
2. Qualley Kari – ASCI 395A, Worked with group that did custom AI, Summer 2013.
3. Spilinek Ashley – ASCI 395B, Worked on App equations, Lincoln, NE. Summer 2013.
4. Burgett Kristen – ASCI 395A, Dalbey-Halleck, Virginia, NE. Summer 2013
5. Saathoff, Danielle – ASCI 395A, Lone Creek, Lincoln, NE. Summer 2012.
6. Jeremiah (Jake) Johnson – ASCI 395A, ARDC, Mead, NE. Summer 2011.
7. Ashton Meints – ASCI 395E, Johnson County Extension. Summer 2011.
8. Eric Post – ASCI 395B, Lincoln, NE. Spring 2011.
9. Jared Schramm – ASCI 395A, James Hopkins, Steffan Vet Clinic, Wales. Summer 2010.
10. Barrett Huneke – ASCI 395A, Brent Sieck, Martell, NE. Summer 2010.
11. ASCI 395A. Carly Bayne. A synopsis of the economic effect and policy development of a national livestock identification system. December, 2009.
12. ASCI 395D. Ted Soukup. Nebraska animal disposal laws. December, 2009
13. ASCI 395A. J.C. White. Summer internship with Lone Creek Cattle Company: Scott Peterson - Manager. Summer, 2009
14. Brett Brown – ASCI 395A. Dr. Lee Jones, Curtis, NE. Summer 2008.
15. ASCI 395A. Erin Clark. Summer internship with Lydic Cattle Company. Summer 2006
16. ASCI 395A. Rachel Spatz. Summer internship with Willow Creek Veterinary Services. Summer, 2003

### **Guest Lectures**

1. VMED 596, Special Topics Cattle Production. Corn staking grazing and drought management. November 21, 2016.
2. ASCI 451/851. Livestock on Range and Pasture. Beef cattle management systems. October 29, 2016.
3. VMED 596, Special Topics Cattle Production. Corn staking grazing and drought management. November 26, 2015.
4. VMED 596, Special Topics Cattle Production. Corn staking grazing and drought management. November 24, 2014.
5. VMED 596, Special Topics Cattle Production. Corn staking grazing and drought management. November 25, 2013.
6. VMED 596, Special Topics Cattle Production. Corn staking grazing and drought management. November 11, 2012.
7. VMED 596, Special Topics Cattle Production. Grazing corn stalks with beef cattle and understanding a nutrient analysis. November 21, 2011.
8. ASCI 451/851. Livestock on Range and Pasture. Beef cattle management systems. October 6, 2011.
9. VMED 596, Special Topics Cattle Production. Grazing corn stalks with beef cattle and understanding a nutrient analysis. November 15, 2010.
10. ASCI 100. Introductory Animal Science. Production management systems at the Dalbey-Halleck Research Unit. October 21, 2010.
11. ASCI 451/851. Livestock on Range and Pasture. Beef cattle management systems. September 28, 2010.
12. ASCI 100. Introductory Animal Science. Production management systems at the Dalbey-Halleck Research Unit. April 7, 2010.
13. VMED 596, Special Topics Cattle Production. Grazing corn stalks with beef cattle and understanding a nutrient analysis. November 2, 2009.

14. ASCI 451/851. Livestock on Range and Pasture. Beef cattle management systems. October 29, 2009
15. ASCI 451/851. Livestock on Range and Pasture. Beef cattle management systems. November 11, 2008
16. ASCI 806. Beef cattle extension programs in Nebraska. October 1, 2008.
17. Cattle artificial insemination (A.I.) Training school. March 26-29, 2008. Lincoln, NE. (In cooperation with Larry Rowden, American Breeders Services).
18. Cattle artificial insemination (A.I.) Training school. October 10-13, 2007. Lincoln, NE. (In cooperation with Larry Rowden, American Breeders Services).
19. ASCI 451. Livestock on Range and Pasture. Beef cattle management systems. October 18, 2007.
20. ASCI 806. Beef cattle extension programs in Nebraska. September 12, 2007.
21. ASCI 451. Livestock on Range and Pasture. Beef cattle management systems. August 21, 2007.
22. Cattle artificial insemination (A.I.) Training school. May 10-13, 2007. Lincoln, NE. (In cooperation with Larry Rowden, American Breeders Services).
23. Cattle artificial insemination (A.I.) Training school. November 1-4, 2006. Lincoln, NE. (In cooperation with Larry Rowden, American Breeders Services).
24. ASCI 451. Livestock on Range and Pasture. Beef cattle management systems. September 28, 2006.
25. ASCI 491. Senior Seminar. Beef extension program and focus. September 27, 2006.
26. ASCI 806. Livestock on Range and Pasture. Beef cattle extension programs in Nebraska. September 27, 2006.
27. ASCI 451. Livestock on Range and Pasture. Beef cattle management systems and management systems at the Dalbey-Halleck Research Unit. August 15, 2006.
28. Japanese Agriculture Training Program. Beef industry and management. 2 lectures. March 6, 7, 2006.
29. ASCI 451. Livestock on Range and Pasture. Beef cattle management systems. September 28, 2005
30. ASCI 491. Senior Seminar. Beef extension programs and focus. November, 2005.
31. AGRON 455. Farm/Ranch Systems. Beef cattle management systems. October 28, 2004.
32. Beef 706. Enhancing quality and consistency of beef. 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008.
33. Beef 808. Cull cow management. 2003.

Year Semester	Course Number	Number of Students	Course Evaluation Mean(4.0 Max)	Composite Percentile	FTE, Academic yr.
2023 Fall	ASCI 481	17			13
2016 Spring	ASCI 455	58	3.40	50	
2015 Fall	ASCI 451/851	17	3.19		
2015 Spring	ASCI 455	67	3.29	34	
2014 Fall	ASCI 451/851	21	4.00	99	21.32
2014 Spring	ASCI 455	42	Did not receive evaluation report		
2013 Fall	ASCI 451/851	19			21.11
2013 Spring	ASCI 455	41	3.38	48	
2012 Spring	ASCI 455	35	3.55	68	19.22
2011 Spring	ASCI 455	59	3.35	44	26.75

2010 Spring	ASCI 455	51	3.53	66	25.07
2009 Spring	ASCI 455	38	3.61	77	22.39
2008 Spring	ASCI 455	38	3.71	88	41.70
2007 Spring	ASCI 455	33	3.77	92	20.99
2006 Spring	ASCI 455	29	3.53	66	20.11
2005 Spring	ASCI 455	17	3.46	51	18.22

**Reviewer:**

**Professional Content:**

1. Drought consequences for cow-calf in Wyoming: 2011-2014. Reviewed for Rangelands. May 2015.
2. Clinical and biochemical blood analytes of growing beef steers are affected by duration of grazing high versus low endophyte (*Neotyphodium coenophiasium*) – infected tall fescue but are poorly correlated with serum prolactin. Reviewed for Journal of Animal Science. April 2015.
3. Reviewed 10 chapter focused on beef cattle nutrition. SDSU Beef Cattle Manual. September 2014.
4. Effects of mannan oligosaccharide on beef cow performance and passive immunity transfer to calves. Reviewed for Professional Animal Scientist. May 2013.
5. Using extension phosphorus uptake research to improve Idaho’s nutrient management planning program. Reviewed for Journal of Extension. November 2011.
6. Grazing schools improve the sustainability of pasture-based livestock enterprises. Reviewed for Journal of Extension. November 2011.
7. An economic evaluation of estrous synchronization and timed artificial insemination in suckled beef cows. Reviewed for Journal of Animal Science. November 2011.
8. Carcass and meat characteristics and *M. longissimus thoracic* histology of beef from calf-fed and yearling-fed Angus steers. Reviewed for Professional Animal Scientist. March 2011.
9. Sustainable management practices for grazing dairies: A global perspective. Reviewed for Journal or Extension. March 2011.
10. Factors affecting pregnancy rate to estrous synchronization and fixed-time AI in beef cattle. Reviewed for Journal of Animal Science. February 2011.
11. A survey of the economic, environmental, public policy, and production issues facing animal agriculture in Louisiana. Reviewed for Journal of Extension. October 2010.
12. Early weaning in northern Great Plains beef cattle production systems: I. Performance and reproductive response in range beef cows. Reviewed for Journal of Animal Science. May 2010.
13. Attitudinal survey of producers involved in a meat goat artificial insemination clinic. Reviewed for Journal of Extension. April 2010.
14. Resources inventory of beef and dairy operations for the use of ethanol co-products. Reviewed for Journal of Extension. April 2010.
15. Increase carrying capacity with perennial forages kochia. Reviewed for Journal of Extension. September 6, 2009.
16. Perceptions of county extension educators regarding livestock waste management education. Reviewed for Journal of Extension. January 23, 2009.
17. Early weaning in northern Great Plains beef cattle systems: I. Performance and reproductive response in range cattle. Reviewed for Journal of Animal Science. November 11, 2008.
18. Dairy modernization works for family farms. Reviewed for Journal of Extension. May 8, 2009.
19. Extension agent’s perceptions of effective teaching strategies for adult learners. Reviewed for Journal of Extension. May 6, 2009.

20. Predicted financial performance of three beef cow calving seasons in south Texas. Reviewed for The Professional Scientist. September, 2008
21. Animal identification and beef quality assurance topics offered in combined workshops to increase effectiveness and participation. Reviewed for Journal of Extension. September, 2008.
22. Factors impacting Wisconsin feeder calf prices at a local livestock market. Reviewed for Journal of Extension. September, 2008.
23. Comparing plans to adopt and actual adoption: Evaluating beef cattle producers. Reviewed for Journal of Extension. March, 2008.
24. Lost rivers grazing academy: Building sustainability in livestock production. Reviewed for Journal of Extension. March, 2008.
25. Livestock farmers' use of animal or herd health information sources. Reviewed for Journal of Extension. November, 2007.
26. Diversification on dairy farms: How might extension help? Reviewed for Journal of Extension. September, 2007.
27. Supplement allows ranchers to eliminate hay feeding and reduce winter feed costs. Reviewed for Journal of Extension. April, 2007.
28. Attracting 15-20 year olds into the beef industry via NYBLS: Nebraska beef leadership symposium. Reviewed for Journal of Extension. January, 2007
29. Ranch management practices of BQA and non-BQA certified producers in Montana. Reviewed for Journal of Extension. August 2006.
30. The virtual extension specialist. Reviewed for Journal of Extension. August 2006.
31. Long-term use of ammoniated wheat straw in the nutritional management of beef cows during the wintering period: Effects on productivity and economics. R.D. Wiedmeier, H.A. Waymant, K.C. Olson, D.L. Snyder, and D.R. ZoBell. Reviewed for Journal of Animal Science. May 2006.
32. Utilization of soybeans or corn milling co-products in beef heifer development diets. H.L. Harris, A.S. Cupp, A.J. Roberts, and R.N. Funston. Internal Animal Science Department Review. January 2006.
33. Production and economics of three grazing systems for beef cattle. Comerford, J.W., H.W. Harpster, E.H. Cash, V.H. Baumer, R.C. Stout, and R.L. Swope. Reviewed for Journal of Animal Science. February 2004.
34. Evaluating longevity of composite beef females using survival analysis techniques. Rogers, P.L., C.T. Gaskins, K.A. Johnson, M.D. MacNeil. Reviewed for Journal of Animal Science. August 2003.

#### **NebGuides:**

1. ES711. Baling corn residue: A decision support tool to evaluate the economics. Authors: S. Von Donk, R. Klein, B. Liu, T. Shaver, A. Stalker, M. Stockton, S. Van Donk, S. Young. Reviewed for UNL Extension. June 25, 2012.
2. EC290. Grazing corn residue: A decision support tool to evaluate the economics. Authors: A. Stalker, R. Klein, B. Liu, T. Shaver, M. Stockton, S. Van Donk, S. Young. Reviewed for UNL Extension. June 25, 2012.
3. G2121. Heat stress: What you should know to make livestock shows a success. Author: Lindsay Chichester. Reviewed for UNL Extension. November 23, 2011.
4. G2055. Genetic defects in beef cattle. Author: Dr. Matt Spengler. Reviewed for UNL Extension. January 12, 2011.
5. G2036: Feeding value of alternative crops for beef cattle. Author: Dr. Karla Jenkins. Reviewed for UNL Extension. September 5, 2010.
6. G2094: Standardized calculations and interpretation of basic cow herd performance measures. Author: Dr. Bryan Reiling. Reviewed for UNL Extension. August 15, 2010.
7. EC270: How to conduct on-farm pig feed trials. Reviewed for UNL Extension. August 25, 2010.
8. G1856: Commercially available DNA tests for the genetic improvement of beef cattle. Author:

- Dr. Matt Spangler. Reviewed for UNL Extension. June 5, 2009.
9. G1967: The basics of expected progeny differences (EPDs) in the beef industry. Author: Dr. Matt Spangler. Reviewed for UNL Extension. June 4, 2009.
  10. G1847: Economic indexes for beef sire selection. Author: Dr. Matt Spangler. Reviewed for UNL Extension. April 4, 2008.
  11. G1500. Blending grain and feedstuffs – How to figure the proper proportions. Author Thomas W. Dorn. Reviewed for UNL Extension. December 4, 2008.

#### **Proposals:**

1. USDA CSREES, Small Business Innovation Research Program, Animal Production and Protection. Tag systems with long range tags. Grant # 2010-00582. February 2010.
2. USDA CSREES, Small Business Innovation Research Program, Animal Production and Protection. Location-aware animal management systems. Grant # 2010-00586. February 2010

#### **Home Study Courses:**

1. Estrous synchronization. Reviewed for NE Beef Home Study Course. March, 2009.
2. Developing replacement heifers. Reviewed for NE Beef Home Study Course. March, 2009.
3. Corn milling byproduct nutrients. Reviewed for Beef Basics VII Home Study Course. February 2007.
4. Handling and storage of corn co-products. Reviewed for Beef Basics VII Home Study Course. February 2007.

#### **Service to Out-of-State Faculty**

1. Graham, Kendra. University of Missouri. Evaluated promotion file and wrote letter of recommendation. November 2023.
2. Ahola, Jason. Colorado State University. Evaluated promotion file and wrote letter. July 10, 2010.
3. Boyles, Steve. Ohio State University. Evaluated promotion file and wrote letter. June 30, 2010.
4. Oltjen, James. University of California-Davis. Evaluated promotion file and wrote letter. October 6, 2010.
5. Weaber, Robert. University of Missouri. Letter of support for University extension award. February 5, 2010.
6. Wright, Cody. South Dakota State University. Wrote letter of support for file for ASAS Mid-west Extension Award. October 5, 2009.
7. Lardy, G. North Dakota State University. Evaluated promotion file and wrote letter. August 19, 2008.
8. Anderson, L. University of Kentucky. Evaluated promotion file and wrote letter. August 15, 2008.

#### **Grant Proposals Submitted**

##### **Pending**

1. [Co- Creating Solutions with New Livestock Producers that Impact Quality of Life, Natural Landscape and Resources, and Economics.](#)  
PI – Brent Plugge; Co-PI – TL Meyer, Hannah Smith, Ryan Benjamin, Erin Laborie, Troy Walz, Rick Rasby.  
NC-SARE Partnership Grant  
\$50,000

##### **Funded**

2. Soil Health Initiative  
**Rick Rasby PI 50%**, PI Andrea Basche 50%  
USDA NRCS

- NUGrant ID, Project ID  
\$314,184.
3. Sustainable Integrated Beef/Cropping Production  
**Rick Rasby PI 40%, PI Mary Drenoski 40%**, Daren Redfearn 10%, Jay Parsons 10%  
Internal  
NUGrant ID; Project ID  
\$233,487
  4. Understanding the Impact of Grazing and Baling Corn Residue on Subsequent Crop Yields Grown Across Various Soil Types with Different Erosion Potential. 2013.  
**Rick Rasby PI 80%**, James MacDonald 10%. Humberto Blanco 10%  
North Central SARE  
NUGrant ID 64021; Project ID 25363  
\$198,716
  5. Impact of implanting suckling steer calves on gain. 2013.  
Rick Rasby PI 100%  
MERCK  
NUGrant ID  
\$10,000
  6. Edmedia Grant. 2012  
Rick Rasby PI: 100%  
UNL Extension – Beef Short Course: 4 sessions on NETV  
\$1,800
  7. Edmedia Grant. 2012  
**Rick Rasby PI 100%**  
UNL Extension – 2 iPad Apps (BCS and Udder and Teats) and 2 YouTube videos (Sampling)  
\$11,130
  8. eXtension Leadership Grant. 2012  
**Rick Rasby PI 100%**  
National eXtension  
\$11,420
  9. NC-1181. 2011  
**Rick Rasby PI 10%**  
Regional Project – Forage/Livestock Interactions  
\$22,500
  10. Using Eartag Technology as a Management Tool. 2010.  
**Rick Rasby PI 100%**.  
Contract with Midwest Microsystems  
\$1,500
  11. Greenhouse gas emissions and nitrogen cycling from beef production systems: Effect on climate, season, production systems, diet, and management. 2010  
USDA-NIFA-AFRI  
**Rick Rasby - Team Member**  
\$49,960
  12. Use of High Frequency Technology in Beef Cows. 2010  
Contract with Midwest Microsystems.  
**Rick Rasby PI 100%**  
\$4,500
  13. NC-1181. 2010  
**Rick Rasby PI 10%**  
Regional Project – Forage/Livestock Interactions  
\$22,500



14. Wendell Burgher Beef Industry Award. 2009-2010  
University of Nebraska Foundation  
**Rick Rasby PI 100%**  
\$20,000
15. NC-1181. 2009  
**Rick Rasby PI 10%**  
Regional Project – Forage/Livestock Interactions  
\$22,500
16. Bull selection and beef cow management clinics. 2008.  
Submitted as a competitive Initiative Team grant.  
Matt Spangler (PI), **Rick Rasby (CoPI)**  
\$7,500
17. Storage and utilization of ethanol co-products by small cattle operations. 2008.  
SARE  
John Hay (Coordinator), **Rick Rasby (CoPI)**  
\$44,370
18. NC-1181. 2008  
**Rick Rasby PI 10%**  
Regional Project – Forage/Livestock Interactions  
\$22,500
19. NC-1181. 2007  
**Rick Rasby PI 10%**  
Regional Project – Forage/Livestock Interactions  
\$22,500
20. Beef cattle clearinghouse. 2006.  
eXtension  
**Rick Rasby PI**, Glenn Selk CoPI, Jack Whittier CoPI.  
\$150,000 (\$50,000/yr)
21. Dried distillers grains as a source of supplemental energy and protein and protein for developing replacement heifers. 2006.  
Submitted to Nebraska Center for Energy Science Research  
Rick Funston, PI, Andrea Cupp, CoPI, **Rick Rasby CoPI.**  
\$56,836
22. Supplementing beef cows and weaned calves distillers solubles while grazing crop residues. 2006  
Abengoa Bioenergy Corporation  
**Rick Rasby, PI**, Terry Klopfenstein, CoPI, Galen Erickson CoPI.  
\$26,280
23. NC-1181. 2006  
**Rick Rasby PI 10%**  
Regional Project – Forage/Livestock Interactions  
\$22,500
24. Evaluation of ecosystem models for beef cattle production. 2004-.2007  
USDOE National Institute for Global Environmental Change  
Terry Mader, PI, **Rick Rasby, CoPI**, Steve Hu, CoPI  
\$324,512 (Rasby's portion = \$23,000 per year)
25. NC-1181. 2005  
**Rick Rasby PI 10%**  
Regional Project – Forage/Livestock Interactions  
\$22,500
26. Polycom Grant. 2004.  
Cooperative Extension

- Rick Rasby PI**  
\$3,600
27. NRC Training for educators. 2004  
Cooperative Extension  
**Rick Rasby CoPI**  
\$2,000
28. NC-1181. 2004  
**Rick Rasby PI 10%**  
Regional Project – Forage/Livestock Interactions  
\$22,500
29. NC-1181. 2003  
**Rick Rasby PI 10%**  
Regional Project – Forage/Livestock Interactions  
\$22,500
30. Sampling nutrient value in CRP native grass plantings. 2002.  
Ralph H. Brainbridge Memorial  
**Rick Rasby CoPI**  
\$5,000
31. NC-1181. 2002  
**Rick Rasby PI 10%**  
Regional Project – Forage/Livestock Interactions  
\$22,500
32. Forages in cow/calf system. 2001.  
NC-225 Regional Project  
**Rick Rasby CoPI**  
\$6,000
33. Employee management training - agriculture sector.  
Competitive Initiative Team grant  
**Rick Rasby PI, Brent Plugge CoPI, Denny Bauer CoPI**  
\$7,500
34. Determining variation in forage quality in Nebraska. 2000.  
Nebraska Research Initiative  
**Rick Rasby PI**  
\$6,000
35. Determining variation in forage quality in Nebraska.  
Nebraska Research Initiative  
**Rick Rasby PI**  
\$6,000
36. Value added beef forage systems. 1998-2003.  
NC-225  
**Rick Rasby CoPI**  
\$37,000
37. Livestock systems educational programs. 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2003.  
Cooperative Extension, IASM Action Plan  
**Rick Rasby CoPI**  
\$16,000
38. Pregnancy rate in beef cows when the corpus luteum is not present with a synthetic progestin.  
1993-1997  
InterAg, Hamilton, New Zealand  
**Rick Rasby PI**  
\$18,825

39. Pregnancy rate in beef cows when the corpus luteum is not present with a synthetic progestin. 1997  
Miscellaneous Grant  
**Rick Rasby PI**  
\$1,855
40. Livestock pests in beef systems. 1997.  
USDA Integrated Pest Management  
**Rick Rasby CoPI**  
\$4,000
41. Developing web opportunities for NE cow/calf producers. 1995.  
DEAL  
**Rick Rasby PI**  
\$3,750
42. Trace mineral digestion and absorption of grazed forages in the mature beef cows. 1993.  
Miscellaneous  
**Rick Rasby CoPI**  
\$5,000 Funded
43. IRM out-reach programs in NE. 1990.  
Miscellaneous Grant  
**Rick Rasby PI**  
\$1,888
44. Quality feeds for quality feeding programs.  
Cooperative Extension  
**Rick Rasby CoPI**  
\$10,200
45. Evaluation of genetics to producer marbled, lean beef. 1990.  
American Angus Association  
**Rick Rasby PI**  
\$6,666
46. Integrated Resource Management in Nebraska. 1988-1990  
IRM ES USDA  
**Rick Rasby PI**. Ivan Rush, Gene Deutscher, Jim Gosey, Don Hudson  
\$142,500

### Not Funded

1. Enhancing the resiliency of rural communities through sustainable integration of crops and cattle.  
James MacDonald – PI, **Rick Rasby 10%**  
National Institute of Food and agriculture – Agriculture and Food Research Initiative (AFRI)  
\$3,996,558
2. Finishing Cull Cows by Self-Feeding Distillers Grains While Grazing Corn residue. 2013,  
**Rick Rasby PI, 80%, Dennis Bauer, 20%**  
Nebraska Corn Board  
NUGrant # 64895  
\$73,527
3. Sustaining Forage-based Beef Cattle Production in a Bioenergy Environment. 2012  
Klopfenstein, Stalker, Volesky, Jenkins, **Rasby 10%**, Massengale, Wegulo, Schacht  
NC-1181  
NUGrant ID: 899  
\$198,000
4. eXtension  
Optimization Plan for Beef Cattle Clearinghouse. 2012

- Rick Rasby PI, 100%**  
 eXtension  
 \$31,659
5. Finishing heifers on pasture using distillers grains. 2012  
**Rick Rasby PI 45%**, Dennis Bauer 45%, Terry Mader 10%  
 Nebraska Corn Board  
 NUGrant # 59823  
 \$72,265
  6. Corn condensed distillers soluble (CCDS) as a source of supplemental energy and protein in the beef cow enterprise. 2012  
**Rick Rasby PI 85%**, Jerry Volesky 15%  
 NUGrant # 59930  
 Nebraska Corn Board  
 \$58,325
  7. Developing simple techniques using forages and grain byproducts to enhance nutrient value of low and medium quality forages to increase profit potential of the livestock enterprise. 2012.  
 Proposal ID  
**Rick Rasby PI 75%**, Dennis Bauer 10%, Rick Funston, 10%, Karla Jenkins, 5%  
 North Central SARE  
 \$199,320
  8. Corn condensed distillers soluble (CCDS) as a source of supplemental energy and protein in the beef cow enterprise. 2011. Proposal ID 55319  
 Nebraska Corn Board  
 \$52,334  
**Rick Rasby PI, 85%**, Terry Klopfenstein 15%
  9. Finishing heifers on pasture using distillers grains. 2011. Proposal ID 55322  
 Nebraska Corn Board  
 \$57,014  
**Rick Rasby, Investigator, 35%**, Dennis Bauer, 35%, Terry Mader, 30%
  10. Comprehensive beef education. 2010.  
 USDA-NIFA-HEC  
**Rick Rasby, Investigator, 10%**.  
 \$499,880
  11. Mid-Plains BEEF Practicum. 2010.  
 North Central Risk Management Education Center  
**Rick Rasby Investigator, 10%**.  
 \$19,316
  12. NCR-SARE 2011 R&E Preproposal: Mid-Plains BEEF Practicum. 2010.  
 North Central Region SARE.  
**Rick Rasby Investigator 12%**  
 \$123,020
  13. Utilizing ethanol based co-products in cow/calf operations. 2007.  
 Submitted to Food Production and Natural Resources Systems - Integrated Animal Systems Management Extension Work Group.  
 Troy Walz, Steve Pritchard, Brent Plugge, Dennis Bauer, **Rick Rasby**, Aaron Stalker, Galen Erickson.  
 \$7,500
  14. Optimizing grazing season length for beef cows with available resources to enhance economic viability and environmental quality of midwest farms. 2003.  
 SARE

Jim Russell PI, **Rick Rasby CoPI.**  
\$147,956

15. Value-added forage/beef systems. 1999.  
SARE.

**Rick Rasby PI**  
\$98,744

16. Impact of time of weaning on sustainable cattle systems using forages. 1995.  
SARE.

**Rick Rasby PI**, Larry Corah CoPI, Jack Whitter CoPI, Dan Faulkner CoPI.  
\$160,000

### **Professional Development**

1. Extension Fall Conference. November 9, 2016. Kearney, NE.
2. Mid-west American Society of Animal Science Meetings, March 13-16, 2016. Des Moines, IA.
3. American Society of Animal Science Meetings, July 13-16, 2015. Orlando, FL.
4. EUREKA, March 17-18, 2015. Omaha, NE
5. National eXtension Conference. March 24-26, 2014. Sacramento, CA.
6. National eXtension Conference. November 1- 4, 2012. Oklahoma City, OK.
7. Signature Outcomes – Beef Spires. September 14, 2010. Grand Island, NE.
8. BRaNDS training, August 31, 2010. Ames, IA
9. Grazing Conference. July 8-10, 2010. Estes Park, CO
10. Beef Spire Leadership Breeze Program. April 14. Lincoln, NE.
11. ARFI workshop. March, 25, 2010. Lincoln, NE.
12. Mid-west ASAS Meetings. March 15-17, 2010. Des Moines, IA.
13. Signature Outcomes, Breeze Presentation. February, 22. Lincoln, NE.
14. eXtension National Conference. October 20-23, 2009. St. Louis, MO.
15. 7 Habits of Highly Successful People. November 4-6, 2008. Cozad, NE.
16. Clarity, Focus, Action: Coaching tools and tactics to move forward. September 26-27, 2007. Lincoln, NE.
17. Nebraska Grazing Conference: 1999, 2000, 2002, 2003, 2005, 2007, 2009, 2010, 2011, 2012, 2013. Kearney, NE.
18. Beef Group Meetings: 1986 to present. Spring meeting - May; Winter meeting - January.
19. NCERA-087 Cow/Calf Committee: 1989 to present
20. American Society of Animal Science Meetings: 1988, 1992, 1993, 1995, 2008, 2010, 2012
21. American Society of Animal Science Mid-West Section Meetings: 1994, 1997, 2000, 2002, 2006, 2007, 2008, 2010, 2011, 2013, 2014.
22. American Society of Animal Science Western Section Meetings: 2002, 2008, 2009.

### **Volunteer**

AKSARBEN 4-H Livestock Quiz Bowl. 2016. Official. September 24. Omaha.

Nebraska State Fair. 2016. Heifer check in. September 2, 2016. Grand Island.

### **IX. OTHER EXHIBITS**

#### **A. Development of Educational Material**

	<u>Number</u>
Producer Meetings – voluntary	857
Brochures Developed	26
IRM Quarterly Newsletter	1

Radio Tapes	261
Displays Developed	10
Video	8
T.V. Programs	14
Webinars	16

## **Citizenship at UNL**

### ***National***

Member – ASAS National Award Committee – Extension 2013  
 Member - NCBA IRM Advisory - 2002, 2003, 2004  
 Member - NCBA Mini-Grant Proposal Committee - 2001- 2004  
 Member -National Beef Infobase Committee - 2001, 2002, 2003  
 Member - COIN Committee - National Cattlemen’s Beef Association - 1999 - 2010  
 Member - National IRM Coordinating Committee - National Cattlemen’s Beef Association - 1997- 2005  
 Chair - Red Book Revision Committee - National Cattlemen’s Beef Association - 1998 - 2005  
 Co-leader - Extension Specialist Directory Committee - National Cattlemen’s Beef Association - 1998  
 Member - American Society of Animal Science Extension Award Committee

### ***Regional***

North Central IRM Regional Committee, Member - 1996 – 2003; Chair – 1999, 2003  
 NCERA-87/NCR-87, Beef Cow-Calf Regional Committee - Member - 1991 to present, Secretary - 1992  
 Chair – 1993, 2010, 2011  
 4-State Beef Conference Planning Committee - 1989 to present  
 MINK Regional Committee - Member - 2001- 2004  
 NC225 Committee - Member - 2001- 2004  
 NC1020 - Member - 2005 - present

### ***State***

Nebraska Cattlemen - Cattlemen’s College Planning Committee  
 Member - Nebraska Cattlemen’s IRM Subcommittee  
 20th National Alfalfa Symposium - Chair - Promotion and Publication Committee  
 Nebraska Forage and Grassland Council - Member - 1989 - 2003; Nominating Committee - 1990  
 President - 1992  
 Chair - NCEA Ice Cream Social Committee  
 Associate Beef Superintendent Nebraska State Fair  
 Beef Committee AKSARBEN Junior Livestock Show

### ***IANR***

Search Committee Member – Agriculture Economics Department Cluster Hire Position  
 Resiliency to Climate Change Committee - 2014  
 Extension Technology 2020 Committee - 2014  
 Dean’s Extension Advisory Committee, District K – 2013 - 2016

State Fair Beef Committee - assigned calves to classes - 2008, 2009  
State Fair Premier Exhibitor Judge - 2009  
State Fair Dream Team - 2008- present  
Nebraska Grazing Conference Planning committee, 2001- present  
Leader - Co-Leader - Integrated Resource Management  
Co-Leader - Integrated Animal Systems Management Action Plan, 1995-2004  
Member - Pesticide Advisory Committee  
Member - Graphics and Visuals Task Force  
Member - User Fee Task Force  
Beef Cattle Herd Health - Management Position - Search Committee  
Member - 4-H Livestock Advisory committee - 2006, 2007, 2008, 2009

***Department***

Animal Science Alumni Committee – 2013, 2014  
Animal Science A211 Room Update Committee: Chair – 2013  
Ag Economist Bio-Systems position: Committee member - 2013  
Animal Science Equine Position: Chair - 2012  
Animal Science Department Head Search Advisory Committee - 2008  
Animal Science Department Newsletter Committee - 1998-2000; 2008-2011  
Animal Science Advisory Committee - 2004-2006  
Livestock Advisory Council - 2005 to present  
Developed and presented the Animal Science Extension Programs - CSREES review, May 2006  
Breeding/genetics Search Committee - 2007  
WCREC Nutrition Search Committee -2006  
Faculty Senate  
Presented a workshop for the Beef Youth Roundup  
Prepared and conducted the FFA Beef Management Contest 1998 - present  
Helped with Nebraska State Fair and AKSARBEN Livestock Show 1988 - 2009  
Chair - Production Livestock Production Management Search Committee  
Member - Departmental Seminar Committee  
Chair - Display Committee  
Member - Interdisciplinary Seminar Committee  
Chair - Social Committee  
Member - Centennial Committee  
Member - Physiology Task Force  
Member - Alumni Relations Committee  
Chair - Livestock Production and Management Search Committee  
Co-Chair - WCREC Reproductive Physiology Search Committee  
Member - Lecture in Equine Sciences and Management Search Committee

Block and Bridle - Advisor 2003-2005, 2008-2009, 2009-2010

Promotion and Tenure Committee - Member, 2001-2004; 2008- 2011; 2014-2017; Chair – 2004 & 2010

Member - WCREC Ruminant Nutrition Search Committee

Member - Animal Science Genetics/Animal Breeding Beef Cattle Search Committee

Member - Animal Science Department Head Search Committee - 2007-2008

Chair – Search committee for Extension Equine Specialist Position - 2010

***District***

Chair - Southeast Research and Extension Center specialist

Member - Southeast Research and Extension Center Staff Advisory Committee

Chair - Doug Duey Retirement Party

Member - Farm Management National Beef Infobase Committee - Member Search Committee