

## REGISTRATION

name		
address		
city	state	ZIP
phone		
county		
email		
Registration - \$65.00*		\$
check number (payable to Iowa State University)		

**Mail registration form with check, payable to:**  
**ISU Extension and Outreach Office Lucas County**  
**48293 Hy-Vee Road**  
**Chariton, Iowa 50049-1900**

For assistance with registration, receipts, cancellation or questions on the status of your registration, call the Lucas County Extension Office at 641-774-2016 or Joe Sellers at 641-203-1270.

### **\*Due by May 29, 2017**

**\$65.00** registration fee per person

**After May 29 and Walk-ins:**

**\$85.00** registration fee per person

Fees for service will be used to offset direct expenses and to support the Agriculture and Natural Resources County Extension Program.

## SPEAKERS

### **Dr. Chris Clark**

Beef specialist, Iowa State University Extension and Outreach

### **Dr. Grant Dewell**

Beef veterinarian, Iowa State University Extension and Outreach

### **Dr. Jenna Funk**

Resident veterinarian, Iowa State University

### **Dr. Stephanie Hansen**

Associate professor, Animal Science Department, Iowa State University

### **Dr. Scott Radke**

Resident veterinarian, Iowa State University

### **Dr. Craig Roberts**

Professor and extension program director, University of Missouri

### **Joe Sellers**

Beef specialist, Iowa State University Extension and Outreach

### **Dr. Diane Spurlock**

AgBotanica, Missouri



Iowa State University Extension and Outreach does not discriminate on the basis of age, disability, ethnicity, gender identity, genetic information, marital status, national origin, pregnancy, race, religion, sex, sexual orientation, socioeconomic status, or status as a U.S. veteran. (Not all prohibited bases apply to all programs.) Inquiries regarding non-discrimination policies may be directed to Ross Wilburn, Diversity Officer, 2150 Beardshear Hall, 515 Morrill Road, Ames, Iowa 50011, 515-294-1482, wilburn@iastate.edu.

IBC 0103 Revised April 2017



# Update for Veterinarians

McNay Memorial Research Farm  
Chariton, Iowa

**May 31, 2017 | 9:00 a.m.**



### **Sponsors:**

**Iowa State University Extension and Outreach**  
**Iowa State University Experiment Station**  
**Iowa Beef Center**

**6 Hours Continuing Education Credits Approved**

**IOWA STATE UNIVERSITY**  
Extension and Outreach

## Agenda

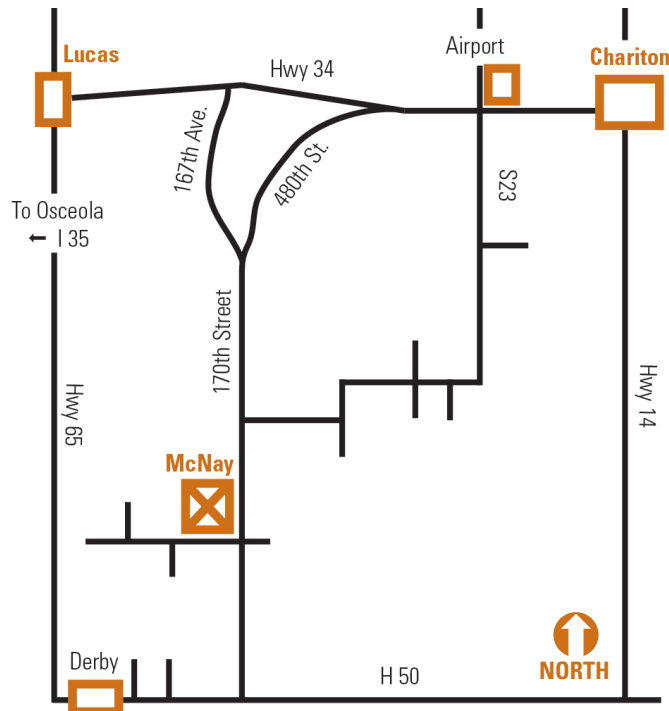
- 9:00 a.m. Morning sessions**
- 9:15 a.m.** *Ancillary therapies for BRD treatment,*  
Dr. Jenna Funk, Iowa State University.
- 9:45 a.m.** *Mineral requirements and evaluating mineral status of beef cattle,*  
Stephanie Hansen, Animal Science Department, Iowa State University.
- 10:30 a.m.** *Genomic snip test to identify fescue tolerance in beef cattle,*  
Diane Spurlock, Genetics, AgBotanica.
- 11:30 a.m.** *Improve vs. renovate fescue pastures,*  
Craig Roberts, Plant Sciences Department, University of Missouri.
- Noon** *Where are we on the Veterinary Feed Directive? Discussion about experiences the first four months,*  
Dr. Chris Clark, Iowa State University Extension and Outreach.
- 1:15 p.m. Afternoon sessions**  
Concurrent sessions, beef facilities  
*Wet lab collecting liver biopsies (hands-on),*  
Dr. Scott Radke, Iowa State University;  
Dr. Grant Dewell, Iowa State University Extension and Outreach.  
*Heifer development, young cow nutrition, managing cow nutrition on fescue,*  
Chris Clark and Joe Sellers, Iowa State University Extension and Outreach;  
Craig Roberts, Plant Sciences Department, University of Missouri.
- 2:30 p.m.** Rotate to second session
- 4:00 p.m.** Adjourn

## Directions

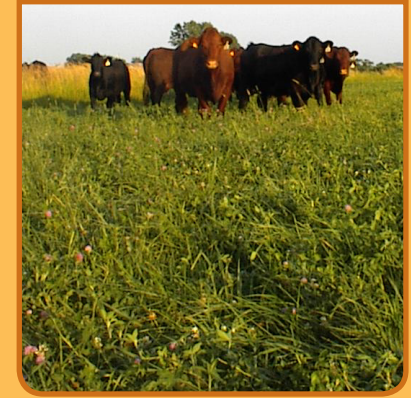
Directions to Iowa State University  
McNay Research Farm, 45249 170th Avenue,  
Chariton, Iowa:

- ▶ Six miles southwest of the Chariton Airport, go west from Chariton on Hwy 34, and south on county gravel road, 480th Lane to 170th Avenue
- ▶ Or four miles south of Lucas on Hwy 65, and east on county gravel road, Mormon Trail to 170th Avenue

Both routes are marked by permanent signs.  
Call Joe Sellers at 641-203-1270 or  
McNay Research Farm at 641-766-6465  
for details.



## Update for Veterinarians



Lunch will be catered by Thelma Saxton,  
Cater 2 U, Chariton, Iowa