

Vision – “To offer grazing land managers of South Dakota useful tools to maintain healthy and diverse ecosystems while optimizing available natural resources.”

### **Monday, September 13**

Al’s Oasis Classroom

- 8:00- 8:45 A.M. Check-In (Bring plat map of ranch operation), Resource materials given to all participants
- 8:45 – 9:00 A.M. Introductions & Welcome: SD Grassland Coalition Board Member Dan Rasmussen
- 9:00 – 9:45 A.M. Concepts of Grazing – Terry Gompert
- 9:45 – 10:30 A.M. Adaptive management – paradigm shift – Jim Faulstich
- 10:30 – 11:15 A.M. Visions & Goals – Terry Gompert
- 11:15 – 11:30 A.M. Travel to Lower Brule Trust Land
- 11:30 – 12:10 A.M. Grazers math based on new grazing stick and forage sampling – Stan Boltz
- 12:10 – 12:40 P.M. Lunch
- 12:40 – 1:40 A.M. Pasture allocation – Instructors, lead by Stan Boltz
- 1:40 – 2:10 P.M. Inventory of ranch resources – Terry Heck
- 2:10 – 3:10 P.M. Plant species identification, preferences, plant growth and indicators – Dave & Wade
- 3:10 – 3:30 P.M. Return to AmericInn
- 3:30 – 4:30 P.M. Managing Diversity on Rangelands – Chuck Pyle
- 4:30 – 5:00 P.M. Break
- 5:00 – 6:00 P.M. Dinner

### **Tuesday, September 14**

- 7:00 – 7:45 A.M. Breakfast/Attendance
- 7:45 – 8:30 A.M. Seasonality of Grazing Nutrition – Ken Olson
- 8:30 – 9:30 A.M. Mineral Nutrition Needs of Livestock – Ken Olson, Jim Faulstich, Dan Rasmussen
- 9:30 – 9:45 A.M. Break
- 9:45 – 10:15 A.M. How to know if you are succeeding – Dave Steffen
- 10:15 – 10:30 A.M. Monitoring Objectives – Stan Boltz & Mitch Fulkner
- 10:30 – 10:45 A.M. Travel to Lower Brule Trust Land
- 10:45 – 12:30 Check cattle & fences; Re-allocate if necessary  
Group Reports – Instructors, lead by Stan Boltz
- 12:30 – 1:00 P.M. Lunch
- 1:00 – 5:00 P.M. Ranch Monitoring Exercises  
Soil Health & Infiltration – Rick Bednarek (1 Big Group)  
Rainfall Simulator – Stacy Turgeon (1 Big Group)  
Plant ID II – Wade Christensen or Tate Lantz or Mitch Faulkner (3 Groups)  
Transect Reading & Monitoring – Stan Boltz, Mitch Fulkner, and Chuck Pyle (2 Groups)
- 5:00 P.M. Return to AmericInn
- 6:00 – 7:00 P.M. Dinner – Grasslands Video & “What is the Coalition” – Jim Faulstich
- 7:00 – 7:30 P.M. Experiences from the participants – Participants
- 7:30 – 8:00 P.M. Planning your own place – Breakout session with instructors and presenters  
(Use your own plan maps to incorporate what you have learned)

## **Wednesday, September 15**

- 7:00 – 8:00 A.M. Breakfast/Attendance  
7:30 – 8:00 A.M. SD Drought Calculator – Stan Boltz  
8:00 – 8:15 A.M. Fencing and watering systems – Judge Jessop  
8:15 – 9:00 A.M. Monitoring the system, a holistic approach – Dan Rasmussen  
9:00 – 9:15 A.M. Travel to Lower Brule Trust Land  
9:15 – 10:45 A.M. Check cattle & fences - Group Reports – Instructors, lead by Stan Boltz  
10:45 – 11:45 A.M. Three 20 minute stations  
Plant I.D. Quiz – Wade Christensen  
Clip like a cow – Stan Boltz  
Implementing Grazing Practices – Dan Rasmussen & Dave Steffen  
11:45 – 12:00 A.M. Travel to AmericInn  
12:00 – 1:00 P.M. Lunch, Evaluations, Certificates – SD Grassland Coalition

### **END OF FIRST CLASS**

- 1:00- 1:45 P.M. Check-In (Bring plat map of ranch operation), Resource materials given to all participants  
1:45 – 2:00 P.M. Introductions & Welcome: SD Grassland Coalition Board Member Dan Rasmussen  
2:00 – 2:45 P.M. Seasonality of Grazing Nutrition – Ken Olson  
2:45 – 3:45 P.M. Mineral Nutrition Needs of Livestock – Ken Olson, Jim Faulstich, Dan Rasmussen  
3:45 – 4:00 P.M. Travel to Lower Brule Trust Land  
4:00 – 4:25 P.M. Grazers math based on new grazing stick and forage sampling – Stan Boltz  
4:25 – 5:25 P.M. Pasture allocation – Instructors, lead by Stan Boltz  
5:25 – 6:25 P.M. Plant species identification, preferences, plant growth and indicators – Wade & Dave  
6:25 – 6:45 P.M. Travel Back to AmericInn  
6:45 – 7:45 P.M. Dinner  
7:45 – 8:30 P.M. Adaptive management – paradigm shift – Jim Faulstich

## **Thursday, September 16**

- 7:00 – 7:45 A.M. Breakfast/Attendance  
7:45 – 8:30 A.M. Concepts of Grazing – Terry Gompert  
8:30 – 9:30 A.M. Visions & Goals – Terry Gompert  
9:30 – 9:45 A.M. Monitoring Objectives – Stan Boltz & Mitch Fulkner  
9:45 – 10:00 A.M. Travel to Lower Brule Trust Land  
10:00 – 10:45 P.M. Inventory of ranch resources – Terry Heck  
10:45 – 12:30 P.M. Check cattle & fences; Re-allocate if necessary  
Group Reports – Stan Boltz & Instructors  
12:30 – 1:00 P.M. Lunch  
1:00 – 5:00 P.M. Ranch Monitoring Exercises  
Soil Health & Infiltration – Rick Bednarek (1 Big Group)  
Rainfall Simulator – Stacy Turgeon (1 Big Group)  
Plant ID II – Wade Christensen or Tate Lantz or Mitch Faulkner (3 Groups)  
Transect Reading & Monitoring – Stan Boltz, Mitch Fulkner, and Chuck Pyle (2 Groups)  
5:00 P.M. Return to AmericInn  
6:00 – 7:00 P.M. Dinner – Grasslands Video & “What is the Coalition” – Jim Faulstich  
7:00 – 7:30 P.M. Experiences from the participants – Participants  
7:30 – 8:00 P.M. Planning your own place – Breakout session with instructors and presenters  
(Use your own plan maps to incorporate what you have learned)

## **Friday, September 17**

- 7:00 – 8:00 A.M. Breakfast/Attendance  
7:30 – 8:00 A.M. SD Drought Calculator – Stan Boltz  
8:00 – 8:15 A.M. Fencing and watering systems – Judge Jessop  
8:15 – 9:15 A.M. Managing Diversity on Rangelands – Chuck Pyle  
9:15 – 9:45 A.M. How to know if you are succeeding – Dave Steffen  
9:45 – 10:00 A.M. Break  
10:00 – 10:45 A.M. Monitoring the system, a holistic approach – Dan Rasmussen  
10:45 – 11:00 A.M. Travel to Lower Brule Trust Land  
11:00 – 12:30 A.M. Check cattle & fences - Group Reports – Stan Boltz & Instructors  
12:30 – 1:00 P.M. Lunch  
1:00 – 2:00 P.M. Three 20 minute stations  
Plant I.D. Quiz – Wade Christensen  
Clip like a cow – Stan Boltz  
Implementing Grazing Practices – Dan Rasmussen & Dave Steffen  
2:00 – 2:15 A.M. Travel to AmericInn  
2:15 – 3:00 P.M. Evaluations, Certificates – SD Grassland Coalition