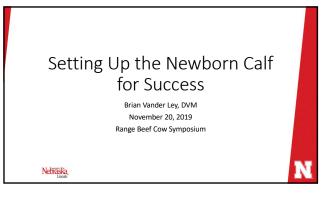
N



## Take Home Points

- Colostrum is the most important meal in a calf's life
- Many factors influence the success the transfer of colostral immunity • Proactive management can have a large impact on the transfer of colostral immunity

Nebraska

## The Importance of Colostrum

- Calves are born with a functioning immune system but no antibody
- Colostrum contains the antibodies that a calf needs while it builds its own immunity
- Colostrum also contains many other vital nutrients that will not be available until the calf is eating forage

Managing the Cow entration of IgG In Sen Calves 24 Hours Old

2 3 4 5 6 Body Condition Score of Cow at Calving

Odde, K.G. 1990 Coperative efficiency, precalving nutrition, and improving calf surviva!"Proc. Bovine Connection, pg. 860-092.

2400

220 200 180

120

100

Nebraska

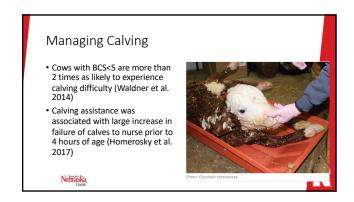


iqure 1. Sandhills Calving System in

## Colostral Transfer and Failure

- 1. Colostrogenesis
- Low antibody
- 2. Suckling
- Dystocia Acidemia
- Hypothermia
- 3. Absorption
- Gut ClosureAbsorption of Pathogens
- Absorptive Capacity (Fetal Programming)
- Nebraska





2019 Range Beef Cow Symposium, Mitchell, Neb.

## Brian Vander Ley, UNL Great Plains Veterinary Education Center



