

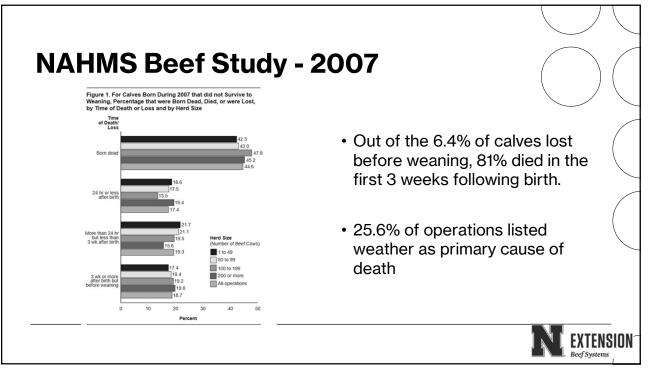


This is me

Wife, Mom, 4th Generation NE Cattlewoman, Veterinarian, Educator

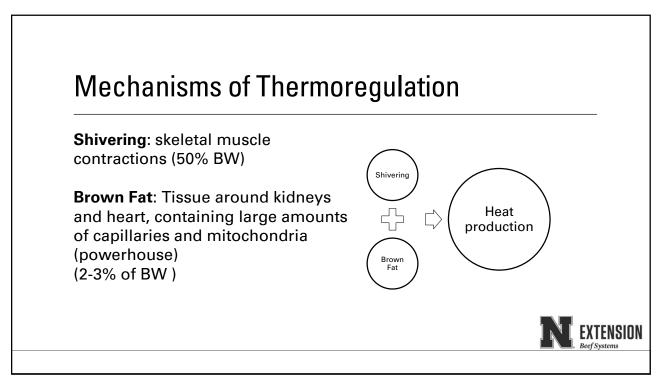
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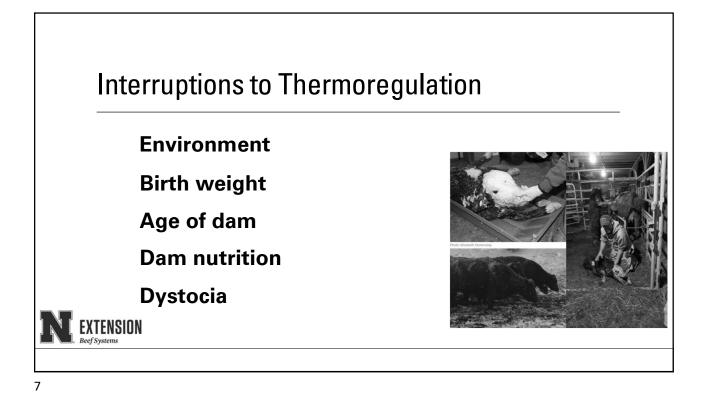
EXTENSION Beef Systems

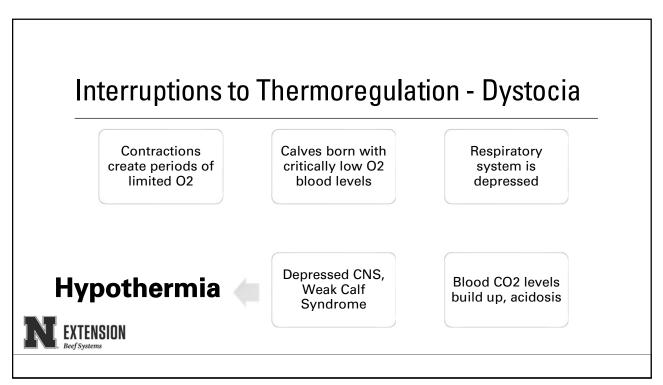


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Thermoneutral zone: Range in temps where cal regulation. Ranges from 59-77*F in newborns Lower Critical Temperature: Temps below the point where animals must increase heat production to maintain balance Adult summer hair coat – 59*F Adult heavy winter coat – 17*F Newborn calves - 59*F	<figure></figure>
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Interruptions to Thermoregulation – Colostrum Intake



- •3-fold more energy reserves in colostrum than tissue, ~10% fat, ~14% protein
- •Weak suckle = 41x greater odds of failed colostrum consumption (Homerosky, 2017)
- •First line of defense for internal warming
 - $\checkmark \mathsf{Ensure}$ colostrum intake if assisted in birth
 - ✓Dam is best source, follow labels on replacers
 - $\checkmark\ensuremath{\mathsf{Keep}}$ records on when and how much
- ✓ Calf needs to be able to sit sternal





