



Some useful definitions

- Stocking rate: The number of animals or animal liveweight assigned to a grazing unit on a seasonal basis.
- Carrying capacity: The stocking rate that provides a target level of performance while maintaining the integrity of the resource base.

Why should stocking rate be the same year-around when carrying capacity is not?

Having a plan for year-around use is first step Stocking rate Flexibility or variable stocking rate is essential Stock policy

Livestock type & number present on the ranch at any given time

Beef animal nutrient requirements: Highest to lowest

- Finishing on pasture
- First calf heifers in 1st 90 days lactation
- Stockers > 2 lb/day
- High milk producing cows
- Moderate milk producing cows
- Stockers < 2 lb/day
- Dry pregnant adults









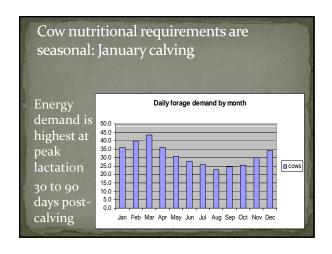


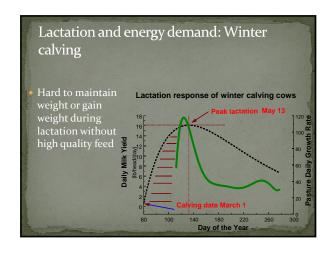


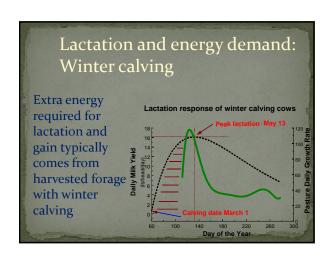


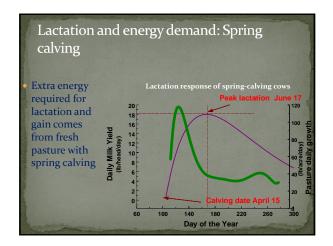










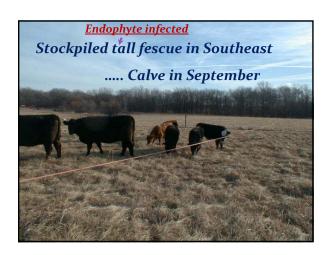








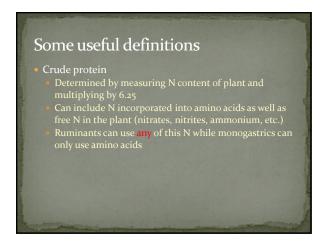


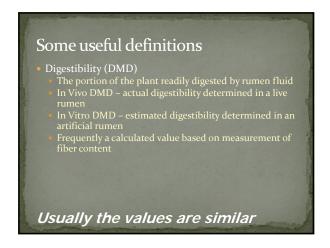


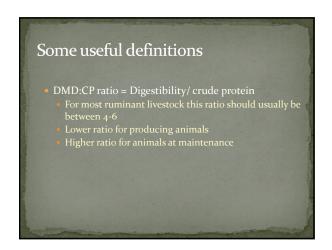
Having a plan for year-around use is first step Stocking rate Flexibility or variable stocking rate is essential Stock policy Livestock type & number Calving season Tremendous impact on seasonal demand Assessing range & pasture resources Make the best use of each opportunity

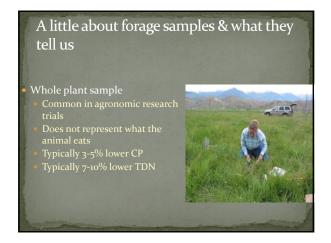




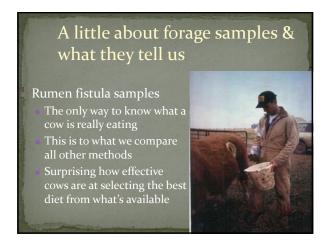


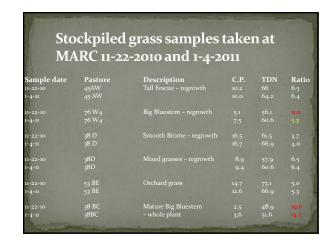




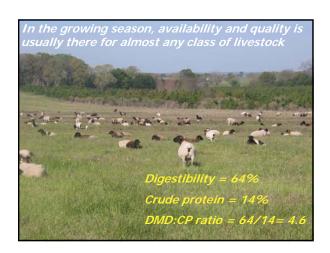








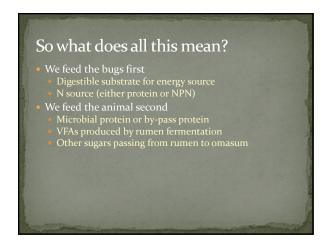
















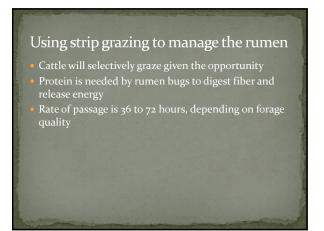


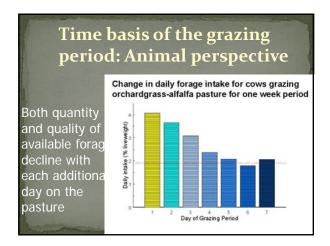


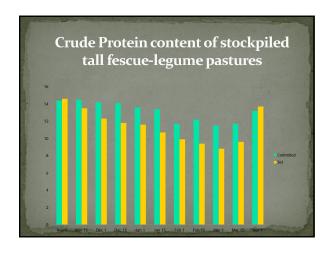


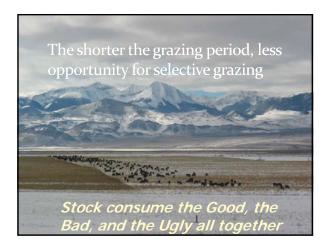










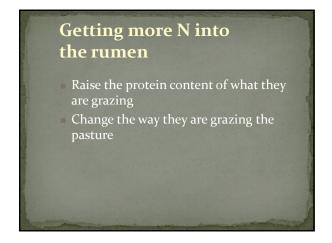


Back to rate of passage Rumen does not need continuous input of protein (or N) Dosing with protein every 3 days gives similar results as feeding every day Match strip-graze period to rumen rate of passage Moving every 3 days may optimize animal nutrition and labor demand

Getting more N into the rumen Raise the protein content of what they are grazing











Management needed to achieve target utilization rate		
al region	Stockpiled pasture . Winter	r annual Lize Medical
80 %	1-day strip graze	Ring feed 2-day
70 %	3-day strip graze	Ring feed 3-day Unroll daily
60 %	7-day strip graze	Ring feed 5-day
50 %	14-day strip graze	Unroll 2-day
40 %	Set stock	Cows are in the hay yard!



