Late-Summer Supplementation to Enhance Cattle Performance
- David Lalman and Paul Beck

Managing Bermudagrass Pastures for Fall Grazing
- Brian Pugh

Internet-Based Tools Available for Rangeland Management
- Laura Goodman
Late-Summer Supplementation

David Lalman and Paul Beck

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July 23, 2020
Oklahoma Steer Seasonal Price Index
Combined Auctions, 2007-2016

- 475 lb. Steers
- 575 lb. Steers
- 675 lb. Steers
- 775 lb. Steers
- 875 lb. Steers
Performance is limited by:

a) Protein
b) Energy (digestibility)
c) Both
Forage Nutritive Values

Tallgrass prairie (Basurto et al.)
- Stillwater, OK
- Continuously grazed, moderately stocked
- 5 yrs data collection
- Grazed forage samples from fistulated steers

Bermudagrass (McCroskey et al.)
- El Reno, OK
- Continuously grazed, moderately stocked
- 2 yrs data collection
- Grazed forage samples from fistulated steers
- 200 lb N fertilizer in 3 equal applications: May 1, June 15, Aug. 1
Protein

McCroskey and Basurto, OSU
Digestibility

McCroskey and Basurto, OSU
Carotene in Native Pasture

Waller et al., 1972
## Protein for Stockers Grazing Native Pasture Late Summer

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<th>Days</th>
<th>Init. Wt.</th>
<th>Cont. ADG</th>
<th>Sup. ADG</th>
<th>Dif.</th>
<th>Sup. Conv.</th>
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Ionophore Feed Additives

Ionophores currently available:

Monensin (Rumensin®)  
Lasalocid (Bovatec®)  
Laidlomycin propionate (Cattlyst®)

Typical response = 0.1 to 0.2 lb added weight gain per day
Oklahoma Gold

- One lb/hd/day 37-40% CP all-natural supplement
- Vit. A, trace minerals, ionophore
- Fed every other day, or pro-rated for M/W/F
- Response was .37 lb improvement in ADG
- Response to ionophore was .13 to .28 lb
- Response to complete supplement was .57 lb
- Supplement efficiency average = 1.8 lb of supplement/lb of added gain
Oklahoma Super Gold

- 2.5 lb/hd/day of all natural 25%CP supplement
- Vitamins, minerals, and additive
- Fed every day, or every other day (based upon feed additive label directions)
- Response average = .76 lb/hd/day increase
- Supplement efficiency average = 3.3 lb of supplement/lb added gain
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Extension Beef Cattle Specialist

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