

UNIVERSITY RESEARCH TRIAL DATA & KEY FINDINGS



TRIAL 6 - OKLAHOMA STATE UNIVERSITY ————— LENAPAH, OK

This trial was an on-farm demonstration conducted in 2020 on native tallgrass pasture and tested the impact of supplementaton rates and timing. Mixed crossbred calves were on grass from May to September.

| 2020 | GROUP 1 - FED LOW RATE IN LATE SUMMER ONLY GROUP 2 - FED HIGH RATE IN LATE SUMMER ONLY | | | GROUP 3 - FED HIGH RATE IN EARLY SUMMER ONLY | | |
|---------|---|------------|------------|--|----------|-----------|
| | IN WEIGHT | MID WEIGHT | END WEIGHT | ADG EARLY | ADG LATE | ADG TOTAL |
| GROUP 1 | 563 | 655 | 768 | 1.58 | 1.46 | 1.52 |
| GROUP 2 | 563 | 665 | 791 | 1.77 | 1.94 | 1.86 |
| GROUP 3 | 563 | 674 | 711 | 1.92 | 0.52 | 1.22 |

TRIAL 7 - UNIVERSITY OF ARKANSAS ————— BATESVILLE, AR

Dr. Paul Beck conducted this trial at the University of Arkansas Livestock and Forestry Research Station in Batesville, AR. The trial consisted of 100 calves on 20 bermudagrass pastures and compared performance when feeding DDG cubes versus protein tubs.

| 2020 | GROUP 1 - NO SUPPLEMENT GROUP 2 - FED DDG CUBES ALL SUMMER GROUP 3 - FED DDG CUBES LATE SUMMER ONLY | | | GROUP 4 - FED PROTEIN TUBS ALL SUMMER GROUP 5 - FED PROTEIN TUBS LATE SUMMER ONLY | | |
|---------|---|------------|------------|--|----------|-----------|
| | IN WEIGHT | MID WEIGHT | END WEIGHT | ADG EARLY | ADG LATE | ADG TOTAL |
| GROUP 1 | 560 | 645 | 702 | 1.88 | 1.26 | 1.57 |
| GROUP 2 | 557 | 654 | 753 | 2.14 | 2.20 | 2.17 |
| GROUP 3 | 563 | 651 | 747 | 1.95 | 2.15 | 2.04 |
| GROUP 4 | 562 | 657 | 706 | 1.89 | 1.32 | 1.61 |
| GROUP 5 | 557 | 650 | 717 | 2.06 | 1.48 | 1.77 |

KEY FINDINGS

PREDICTABLE GAIN

Both studies add to the predictability of an additional 0.5 lb. of daily gain when feeding cattle DDG cubes. This is illustrated between the high and low supplementation groups in Trial 6, as well as between the control and Group 2 in Trial 7.

OFFSET GRASS DECLINE

Trial 6 clearly illustrates the fall off in gains cattle can experience as forage quality declines in late summer. Group 3 of this trial was not supplemented in late summer and saw a very low ADG during the latter half of the season.

MAINTAIN PERFORMANCE

In Trial 7, cattle fed DDG cubes all summer saw significantly higher gains in late summer on low quality forage compared to cattle fed protein tubs. Group 2 and 3 cattle continued to increase ADG in late summer while Group 3 & 4 cattle decreased.