

## Pasture Trial

Southeast Kansas

80 acres treated vs 80 acres untreated

Treated with 3 Gal/Acre of HyprGrow

Treated acres produced 732 lbs/acre more Dry Matter

Summary - 25 additional head were able to graze during the summer season. This yielded an **additional profit of \$1,800 or \$22.50/acre.**

How this profit was determined...

Extra Dry Matter Available

$732 \text{ lbs/acre} \times 80 \text{ acres} = 58,560 \text{ lbs of Extra Forage}$

Extra Dry Matter Available per day

$58,560 \text{ lbs} / 90 \text{ Days} = 650.6 \text{ lbs/day of Dry Matter}$

Expected Avg Steer Body Weight  $750 \text{ lbs In-weight} + (2.5 \text{ lbs ADG} \times 90 \text{ days} \times 0.05) = 862.5$

Expected Daily Avg Dry Matter Intake -  $862.5 \text{ lbs} \times 0.03 = 25.9 \text{ lbs/day/steer}$

Additional Head = Extra Dry Matter Available per day/Expected Daily Avg DMI

$650.6 / 25.9 = 25.1 \text{ Additional Head}$

Additional Revenue -  $25 \text{ extra steers} \times \$120/\text{steer}/90\text{-day season} = \$3,000$

Revenue/Acre -  $\$3,000/80 \text{ acres} = \$37.50/\text{acre}$

Treatment Cost/Acre - \$15

**Net Profit - \$1,800 or \$22.50/Acre**