

Pasture Trial

East central Kansas

80 acres treated vs 80 acres untreated

Treated with 3 Gal/Acre of HyprGrow

Treated acres produced 779 lbs/acre more Dry Matter

Summary - 26 additional head were able to graze during the summer season. This yielded an **additional profit of \$1,920 or \$24/acre.**

How this profit was determined...

Extra Dry Matter Available

$779 \text{ lbs/acre} \times 80 \text{ acres} = 62,320 \text{ lbs of Extra Forage}$

Extra Dry Matter Available per day

$62,320 \text{ lbs} / 90 \text{ Days} = 692.4 \text{ lbs/day of Dry Matter}$

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

$692.4 / 25.9 = 26.7 \text{ Additional Head}$

Additional Revenue - $26 \text{ extra steers} \times \$120/\text{steer}/90\text{-day season} = \$3,120$

Revenue/Acre - $\$3,120/80 \text{ acres} = \$39/\text{acre}$

Treatment Cost/Acre - \$15

Net Profit - \$1,920 or \$24/Acre