Pasture Trial
[redacted] - Hartford, KS
80 acres treated vs 80 acres untreated
Treated with 3 Gal/Acre of HyprGrow
Treated acres produced 779 lbs/acre more Dry Matter

Summary - 23 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 lbs/acre x 80 acres = 62,320 lbs of Extra Forage

Extra Dry Matter Available per day
63,320 lbs/ 90 Days = 692.4 lbs/day of Dry Matter

Expected Avg Steer Body Weight - 750 lbs In-weight +(2.5lbs ADG x90 days x.05) =862.5

Expected Daily Avg Dry Matter Intake - 862.5 lbs x .03 = 25.9 lbs/day/steer

Additional Head = Extra Dry Matter Available per day/Expected Daily Avg DMI
692.4 / 25.9 = 26.7 Additional Head

Additional Revenue - 26 extra steers x $120/steer/90-day season = $3,120

Revenue/Acre - $3,120/80 acres = $39/acre

Treatment Cost/Acre - $15

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

Pasture Trial
[redacted]
Kansas State University
Flint Hills, KS
Treated with 2 Gal/Acre of HyprGrow

Summary - 16 additional head were able to graze during the summer season. This yielded an **additional profit of $1,165 or $21/acre.**

How this profit was determined...

500 lbs Dry Matter x 151 grazing acres = 75,500 lbs extra forage
75,500 lbs x 0.5 utilization rate = 37,750 lbs Dry Matter for steers

Extra Dry Matter available per day = 37,500 lbs DM / 90 days = 419.4 lbs DM

Expected Avg Body Weight = 750 lbs in-weight +(2.5 lbs ADG x 90 days x 0.5)= 862.5 lbs

Expected mean DMI = 862.5 lbs x 0.03 = 25.9 lbs DM/day

Additional head = Extra DM available per day / Expected mean DMI
419.4 lbs DM / 25.9 lbs DM per day = 16.2 extra steers

Additional revenue = 16 extra steers x $120/steer/90-day season = $1,920.00

Revenue/Acre - $1,920/75.5 acres = $25.43/acre

Treatment Cost/Acre - $10

Net Profit - $1,165 or $21/Acre

Pasture Trial
[redacted] - Leroy, KS
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 lbs/acre x 80 acres = 58,560 lbs of Extra Forage

Extra Dry Matter Available per day
58,560 lbs/ 90 Days = 650.6 lbs/day of Dry Matter

Expected Avg Steer Body Weight 750lbs In-weight+(2.5 lbs ADG x 90 days x.05)= 862.5

Expected Daily Avg Dry Matter Intake - 862.5 lbs x .03 = 25.9 lbs/day/steer

Additional Head = Extra Dry Matter Available per day/Expected Daily Avg DMI
650.6 / 25.9 = 25.1 Additional Head

Additional Revenue - 25 extra steers x $120/steer/90-day season = $3,000

Revenue/Acre - $3,000/80 acres = $37.50/acre

Treatment Cost/Acre - $15

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