NDSU

DICKINSON **RESEARCH EXTENSION CENTER**

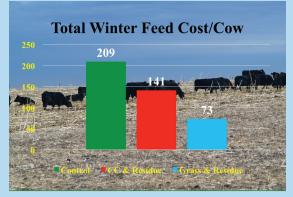
More Pounds, More Income Per Acre Cut Costs and Increase Revenue May-June Calving Benefits

CROP AND FORAGE PRODUCTION

Cropping system solutions that improve soil health, increase grain/forage production and decrease cost.

SMART BEEF PRODUCTION

Integrating cropping systems research to more efficiently grow beef and increase value.



Integration of Crop Rotations and Smart Beef Systems Creates Opportunities \$1.20 1300 \$1.10 1200 Cost/lb \$1.00 1100 \$0.90 1000 275 lb: \$0.80 900 \$0.70 800 \$0.60

Continuing our commitment to North **Dakota seeking** answers that are needed to help agriculture and protect our natural resources!

Producer outcomes: • Improved soil health Quantify impact through research

- More diversity per acre Establish crop rotations including cover crops







Get Your 2017 **Calving Book! Call Now!**





Sources: Dickinson Reearch Extension Center Annual Reports:

 Effect of Grazing Cover Crops, Stockpiled Improved Grass, and Crop Residues on Cow Wintering Performance, Economics, and Calving Rate -- Şentürklü S. and D. Landblom

Effect of Beef Cattle Frame Score, Forage Grazing Sequence, and Delayed Feedlot Entry on Yearling Steer Grazing and Feedlot Performance, Carcass Trait Measure-ments, and Systems Economics -- Şentürklü S. and D. Landblom, et. al

More pounds of forage per acre

Produce more biomass, grain, grass and hay

More pounds of beef per acre

Extend conventional marketing of beef from 567 pounds to 1275 pounds

More dollars per acre

Decrease costs and increase new revenue stream

SMARTBEEF, CROP AND FORAGE PRODUCTION Dickinson Research Extension Center 1041 State Avenue • Dickinson, ND • 701-456-1100

