11 Research Studies Revealed

Health and Carcass Studies (poly-unsaturated fatty acids inclusion)

University of Georgia 93 hd Corn Oil Finishing Study

(Equal Nutrient+Added Fat Diet)
Increased Marbling
30% More Grading Choice
16% More Carcasses Qualified for Certified Angus Beef

Iowa State High Corn Oil Finishing Study

(Equal Nutrient+Same Alternative Fat Diet)
14% More Grading Choice

Kansas State Omega 3 Flax Oil Finishing Study

(Equal Nutrient+ Added Fat Diet)
10% More Grading Choice

Pennsylvania State Food Quality Study w/Extruded Soy

(All Equal Nutrient Diet)
17% Greater CLA and Juicer Steaks
8% Improved Quality Grading Choice

JB Minnesota Sick Buffalo Calf Results w/ extruded-soy

Expected High Death
Improved Health and Mortality

WH South Dakota Sick Calf Results w/ extruded-soy

Expected High Death
Improved Health and Mortality

Swanson South Dakota Sick Calf Results w/ extruded-soy

Expected High Death
Improved Health and Mortality

Cost/Gain/Efficiency Studies (Extruded Soy inclusion)

LDL Angus South Dakota 386 hd / 1300 lb.to Finish Study

(Higher Protein+Fat added to WDGS Diet)
.8% Less Death Loss and Less Treatments
11% Improved Daily Gain (.46/day)
6% Improved Feed Efficiency (.44 less DM/day)
5% Less Cost of Gain ($.05/gain)
Improved Net Profit ($19.95/hd)

University of Georgia 60 day (400-650 lb.) Ration Calculation Study

(Equal Protein+Added Fat Diet)
Computer Calculations Predicted Negatives on Cost / Gain
But, Actual Performance Results were Extremely Positive
10% Improved Daily Gain (.30/day)
29% Improved Feed Efficiency (1.24 less DM/day)
12% Less Cost of Gain ($.07/gain)

Huffton South Dakota 395 hd / 1000 lb.to Finish Study

(Equal Protein+Added Fat Diet)
30% Improved Daily Gain (1.0/day)
24% Improved Feed Efficiency (2.07 less DM/day)
12.5% Less Cost of Gain ($.04/gain)

Cooper Minnesota 46 hd / 650 lb. Diet Change Study

(Equal Protein+Added Fat Diet)
31% Improved Daily Gain (1.0/day)
17% Improved Feed Efficiency (2.07 less DM/day)
13% Less Cost of Gain ($.04/gain)

Facts and Conclusions

Diets Formulated using Soy usually out performs diets Formulated using Distillers Grains as per Gains, Feed efficiency, and carcass quality
Diets Formulated using DDGs with Oil usually out perform DDGs without in every respective consideration *(see ND State & other Studies)*
Distiller Grains diets are usually cheap and can competitively replace solvent soy diets even though Gains and carcass traits are less
Wet Distillers usually performs better than Dried Distillers
Vegetable Oil nutrition from intact meals and seeds does not hinder rumen function whereas, liquid forms of fats can harm digestion of fiber
All seed or meal sources of Vegetable Oil seems to improve Carcass Traits, Health, and Gains

Extruded Soy Diets Improve Health, Feed Effiencies, Gains, and Carcass Traits, mostly at Lower Cost of Gain
(However, initial ration costs may be higher due to added nutrition) **Improved Health and Improved Carcasses may mean additional Profits at Market time as well.**