



FORMULATING BEEF DIETS TO MEET AMINO ACID REQUIREMENTS

PLS uses a unique approach that balances amino acids to energy, allowing producers to maximize feed efficiency and minimize cost of gain.

Feed cost per day increases with this approach, but the resulting feed efficiency reduces cost of gain.

Subsequent research trials have shown cattle grown and finished on PLS's diets had improved feed efficiency, higher average daily gain, and improved carcass value.

Results:

Amino acid balanced calves ate less feed and gained more weight during the 43-day trial.

The increase in average daily gain and feed efficiency is a result of cattle putting on more muscle and less fat.

Table 1. Ingredient Composition of Diets (%)

Ingredient	Corn-Distillers Grain Diet	PLS Balanced Diet
Corn	63	71.8
DDG	25	
PLS Protein		16.2
Hay	7	7
Liquid 40% CP	5	5

Table 2. Growth Performance of Steers Fed Traditional or Amino Acid Balanced Diets

	Corn-Distillers Grain Diet	PLS Balanced Diet
Begin Weight, Lbs	593	592
End Weight, Lbs	736	756
Dry Matter Intake, Lbs	15.2	14.6
Daily Gain, Lbs	3.3	3.8
Feed to Gain	4.6	3.8
Diet Cost, \$ per ton	212.60	225.38
Cost of Gain, \$ per Lbs	.57	.50



Contact your PLS sales rep for pricing and trial data comparable to your operation
or call (507) 343-0386