



PLS BALANCED DIET VS. CONVENTIONAL DIET
SIDE-BY-SIDE TRIAL

Cattle were split between 2 pens upon arrival. Each pen was fed a separate TMR, one being the producer’s standard nutrition program, the other diet balanced using Profectus Livestock’s Amino Acid approach.

WHERE:

SW Minnesota

WHEN:

9/13/24-3/26/25

On Feed for 195 days

FACILITY:

Concrete Open Lot Bed Pack

CATTLE ORIGIN:

Missouri

	PLS	Conventional
Starting Weight	865	886
Ending Weight	1576	1572
ADG	3.62	3.49
DM Feed to Gain	7.31	7.71
Feed Cost of Gain	\$0.81	\$0.85

Performance data tracked using Performance Livestock Analytics program.

RESULTS

- The cattle on the PLS diet had:
- 0.4lb better dry matter feed to gain
 - 0.13lb better average daily gain

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**\$0.04 improvement
in feed cost of gain**

**THE REDUCTION IN COST OF GAIN FROM THE PLS DIET SAVES
\$28/HEAD, AND THE INCREASE IN CARCASS WEIGHT ADDS
ANOTHER \$24/HEAD IF THE CATTLE ARE SOLD IN THE MEAT.**

No difference in carcass
quality between the 2
groups, besides an 8lb
increase in carcass
weight in the PLS group.