

200 lb Dairy Crossbred Calves Closeout Summary



	PLS Cattle	Control Group
In Weight, lbs	207	209
Hot Carcass Weight, lbs	883	861
Yield Grade	3.2	3.1
Average Days on Feed	375	389
Percent Prime	11	11
Percent Choice	82	72
Percent CAB	58	49

These calves demonstrate how balancing the diet to meet amino acid requirements of the growing calf will affect carcass measurements. The calves were maintained in two groups upon arrival and fed either the diet formulated by their existing feed company, or a diet with similar levels of ingredients, but with protein ingredients optimized to meet amino acid requirements for specific growth phases (weight ranges). Calves fed the diet balanced for amino acid requirements had improved growth rate and feed efficiencies.

Summary:

This on-farm study was focused on determining the impact of balancing the diet to meet amino acid requirements on carcass value. Hot carcass weight increased by 22 lbs. in calves fed the balanced diet. Assuming carcass value is \$2.90 per lbs., calves fed the balanced diet grossed \$64 more per head. This was achieved with 14 less days on feed, 14% more calves grading choice and 18% more CAB calves. These results are similar to other groups of calves fed amino acid balanced diets in that carcass measurements and value is often improved compared to diets not balanced to meet amino acid requirements.



Where: SW MN-started on bed pack barn, moved to open lots, and finished in a slatted barn

When: August 2022- October 2023

Beginning weight: 207 lbs

Type: Holstein X Angus Calves

Days on feed: 375

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