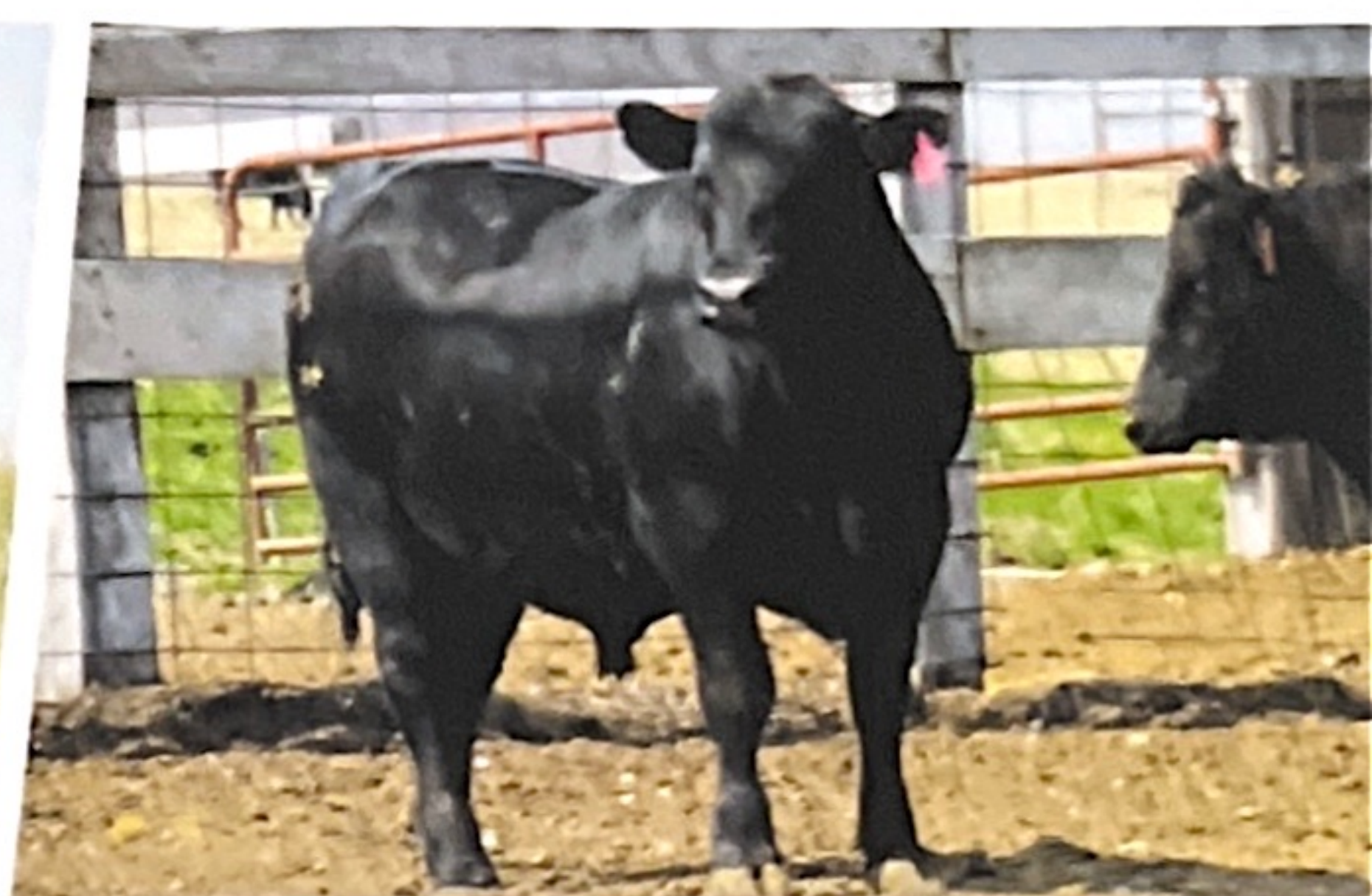




AminoGain®

Balancing amino acids to unleash genetic potential

Today's cattle demand superior nutrition strategies to keep pace with their elite genetics. Human, dairy, swine and poultry nutritionists know the value of amino-acid balanced diets to improve performance and health. ADM has long invested in nutritional research to develop knowledge and technologies that narrows the gap between actual performance and achieving full genetic potential. AminoGain is the most advanced feeding technology available today that balances the amino acid profile and other critical nutrients for enhanced performance including growth, health, fertility and breeding.

AminoGain balances amino acids in the diet based on requirements for maximum genetic expression, thereby generating the opportunity for greater profit potential. Manifesting genetic potential yields the best returns on feed consumed through optimized rumen fermentation, maximum microbial protein production, and supplying specific bypass amino acids in needed amounts and ratios.



82
trials over
the last
18 years

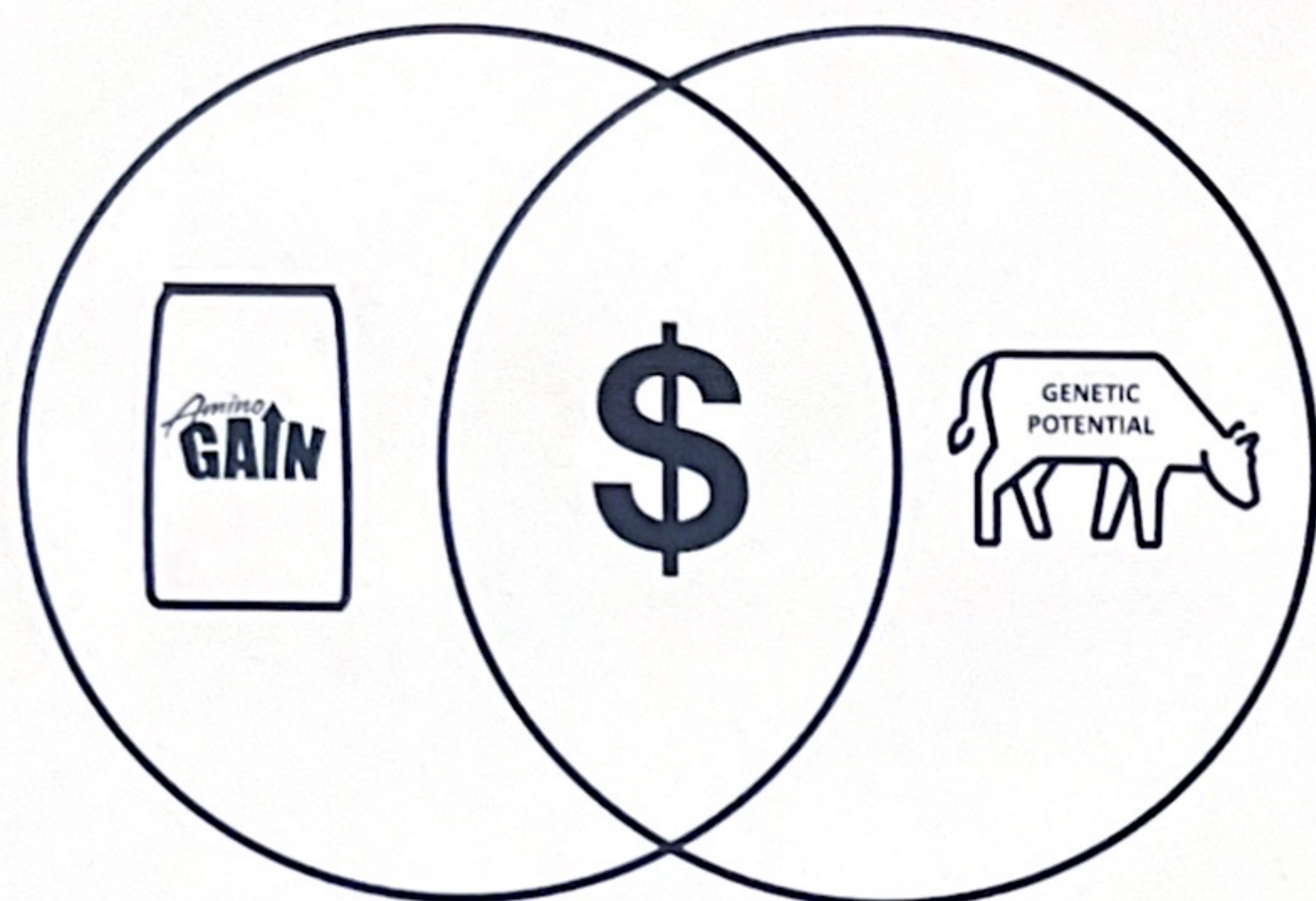
across
9
states



with
12,000+
steers, bulls &
replacement
heifers

AminoGain's extensive R&D and field trials give producers confidence in products designed to express the genetic potential of their cattle.

- **Better performance** – Less energy is wasted breaking down non-essential proteins, allowing more energy to be used for production purposes (gain and body condition)
- **More efficient (economical) production** – Reduces protein over-supplementation, generating greater returns for every dollar invested in supplement cost
- **Environmental conservation** – Less nitrogen is excreted due to minimal amino acid over-supply



AminoGain technology advances the concept of ruminant amino acid diet formulation.

The proprietary knowledge embedded in AminoGain technology unleashes the full genetic potential for production. AminoGain products are formulated for lower inclusion within the diet. The days of simply providing a defined amount of crude protein in the diet are antiquated and often result in overfeeding of protein. Diet formulation now encompasses the protein requirements of the rumen microbial population, realizing a significant portion of the animal protein requirement is met when microbes pass into the lower digestive tract (known as microbial protein). However, this microbial protein along with bypass protein (protein from feed-stuffs that pass through the rumen unaltered) often lacks the essential amino acids in sufficient quantities to enable cattle to fully realize their genetic potential.

The AminoGain portfolio focuses on balancing amino acids in high-concentrate diets. In these rations, the focus is truly on the "performance." There will continue to be differentiation between traditional diets and those taking advantage of advancing technologies

Balancing amino acids in cattle diets with AminoGain technology maximizes genetic expression for maximum profits.

Experiences from producers:

"...higher post weaning weight gain..."

"...staple in my bull and heifer development program..."

"...bulls with excellent feet and fertility..."

to improve the bottom line. Bank on ADM to drive performance and profitability in your operation.

AminoGain products perform best in growing cattle where a rapid rate of gain is desired, and in developing breeding stock (bulls or heifers) where breeding soundness is essential. Options are available to meet your operation's individual nutrition strategies.

Get Results

Connect with an ADM Beef Specialist today to put our advanced AminoGain technology to work in your operation.



animalnutrition@adm.com

