



*A high quality source of essential amino acids from animal proteins and synthetic amino acids*



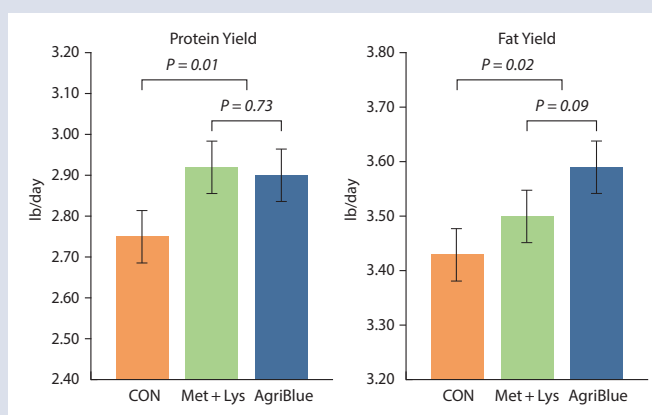
## An innovative amino acid supplement

**SPECTRUM AgriBlue** is a unique mixture of highly digestible blood, rumen-protected methionine, and rumen-protected lysine.

## Thinking beyond methionine and lysine

Other essential amino acids besides methionine and lysine, such as histidine and leucine, are important for maximizing milk protein yield.<sup>1,2</sup> Recent research shows that increasing all essential amino acids with AgriBlue increased milk fat production compared to the same supply of metabolizable methionine and lysine (Figure 1).<sup>3</sup>

**Figure 1.** Effect of increasing methionine and lysine alone or in combination with other essential amino acids via AgriBlue.<sup>3</sup> The Met + Lys and AgriBlue treatment were formulated to supply the same amount of metabolizable methionine and lysine



## Characteristics:

- Highly digestible amino acid source
- Rumen-protected methionine and lysine
- Rigorous quality control
- Excellent handling characteristics and smell

## Results:

- Cost effective source of all ten essential amino acids
- High RUP content with high intestinal digestibility
- Concentrated source of key AA such as methionine, lysine, histidine, and leucine
- Nutrient dense – frees up space for other ingredients
- Maximize income over feed cost by increasing milk protein and fat

### Citations

<sup>1</sup>Lean et al., 2018 JDS 101:340-364 (<https://doi.org/10.3168/jds.2016-12493>)

<sup>2</sup>Yoder et al., 2020 JDS 103:2387-2404 (<https://doi.org/10.3168/jds.2019-17082>)

<sup>3</sup>Machiela et al., 2021 ADSA Abs: SC168

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