



# WRINKLE

A NEW UNDERSTANDING IN NUTRITION

DakotaGold

## Where Does Dakota Gold Add Value?

Dakota Gold adds value to livestock formulations by providing a combination of highly digestible protein/amino acids, energy, and minerals. Because of this, the contribution of specific nutrients can change for species or between years.

To demonstrate this, we can utilize software like Sesame or the Feed Price Analysis Tool located within the AMTS formulation software. These programs evaluate the nutrient composition of a variety of ingredients to calculate the value of each nutrient. They then calculate the nutritional value and compare with the market value to determine which feeds represent "good buys". This comparison takes a snapshot in time and can change with other ingredient prices, nutrient selected, and species.

Taking this one step further, we can look at that specific ingredient to determine how the different nutrients contribute to the overall value. For example, if we look at just the value supplied by Dakota Gold for poultry based on methionine, lysine, AMEn, and phosphorus, we get the following relationship.

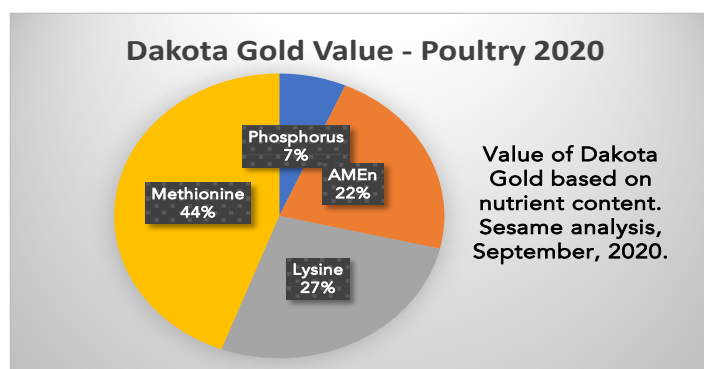


Figure 1.

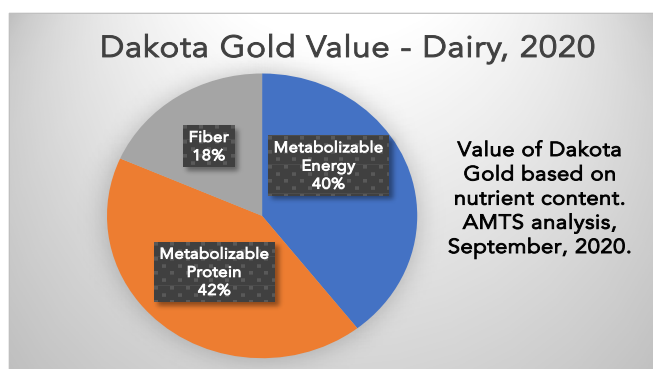


Figure 2.

Figure 1. tells us that methionine contributes to 44% of the value of Dakota Gold, lysine 27%, AMEn 22%, and phosphorus 7%. In other words, the amino acids represent the biggest value of Dakota Gold in poultry formulations.

Figure 2. shows us that for dairy cattle, Dakota Gold provides the most value for metabolizable energy (46%), followed by metabolizable protein (37%), and then fiber at 17%.

How can we apply this information?

1. We need to recognize that ingredients like Dakota Gold provide multiple nutrients that contribute to the nutritional value.
2. Recognize where Dakota Gold provides value for each species. We can then focus on those areas to provide the most value for formulations.
3. Understand that this information can change throughout the year which could affect values in formulations.

If you would like more information on this type of comparison, please let us know and we can provide a more specific evaluation for your ingredients and market prices.

\*These results are not a guarantee of nutritional value, as laboratory results are influenced by factors beyond the control of POET Nutrition.