

Soybean Meal Nutrition Facts

POULTRY

Soybean Meal Is the Ideal Protein for Poultry:

- Broilers and turkeys consume about 44 percent of all the soybeans used by livestock in the United States. Layers consume an additional 7 percent.
- Number one choice for protein supplement.
- Available year-round.
- High content of digestible amino acids.
- Consistent in nutritional content.
- High content of crude protein.

Decline in Animal Byproducts Means a Greater Need for Soybean Meal:

Desire to reduce excessive phosphorus in poultry excreta.

LAYERS

Why Hi-pro Soybean Meal Is Important in Layer Diets:

- Provides increased ME content and higher amino acid content compared to 44 percent soybean meal.
- Allows more room for corn, which will decrease the need for expensive tallow or animal/vegetable blend fat.

Why Correct Dietary Protein and Amino Acids Should Be a High Priority for Layer Producers:

- Protein and amino acids are some of the highest nutrient costs.
- Environmental concerns about nitrogen losses in animal waste.
- Poor-quality dietary proteins and amino acids can cause the largest problems in heat-stress conditions.
- Layers need a large amount of egg protein to deliver today's egg production numbers. High-quality, high-protein soybean meal provides the essential amino acids needed to synthesize the egg protein.
- Research shows for every 1 percent reduction in dietary crude protein through improved amino acid formulations, there is a 10 percent reduction in nitrogen losses in poultry waste.

How to Maximize Amino Acid Requirements:

- For a hen consuming 100 grams of feed daily, it takes approximately a 16 percent CP diet consisting of corn-soy-meat-bone meal to provide the correct levels of digestible isoleucine, valine and lysine.
- Maximum levels of hi-pro soybean meal support the layer amino acid requirements better than other protein sources, such as canola meal, sunflower meal, meat and bone meal, and poultry byproduct meal.
- In areas without access to hi-pro soybean meal and cheap animal fat, full-fat soybean meal provides an excellent energy and protein source.

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SWINE

Why Hi-Pro Soybean Meal Is Important in Swine Diets:

- Soybean meal is the most popular source of supplemental protein in livestock feeds.
- Conventional or dehulled soybean meal is an excellent source of amino acids, digestible energy, protein and lysine.

Benefit of High Amino Acid Levels:

- Allow soybean meal to be used as the only supplemental protein source in simple diets that can be prepared conventionally on farms.

Benefits of High Lysine Content:

- Makes soybean meal an excellent choice as a protein supplement to cereal grain-based diets.
- Meets pig's lysine needs without feeding nonessential nitrogen, thereby reducing nitrogen load on environment.

Anti-Nutritional Factors Are Easily Managed:

- Anti-nutritional factors in soybean meal are heat-labile. This is not the case in other plant protein sources.
- Soybean processing involves heat and therefore removes anti-nutritional factors before the feed reaches the farm.