



## **Bypass Soy Protein MP** **Premium Rumen-Protected Soy Protein for High-Producing Cattle**

**Bypass Soy Protein MP** is a specially treated soybean meal designed for modern ruminant nutrition. Through an advanced processing technology, the proportion of rumen-protected (bypass) protein is significantly increased, allowing more high-quality amino acids to become available in the small intestine.

Unlike standard soybean meal, which is largely broken down in the rumen, Bypass Soy Protein MP delivers a substantially higher share of metabolizable protein where it can be used most efficiently for milk protein synthesis and muscle development. This makes the product an ideal solution for dairy and beef producers aiming for maximum performance and nitrogen efficiency.

### **Key Nutritional & Functional Benefits**

Bypass Soy Protein MP provides multiple performance advantages:

- Significantly increased bypass protein fraction (up to **75%**)
- Higher metabolizable protein supply for dairy and beef cattle
- Supports improved milk yield and higher milk protein content
- Excellent amino acid profile for production efficiency
- Reduces nitrogen losses and improves sustainability
- Highly suitable for high-producing dairy cows and intensive beef systems

### **Increased Bypass Protein: From 42% to 75%**

A unique advantage of Bypass Soy Protein MP is the strong increase in rumen-protected protein. The bypass fraction rises from approximately **42%** in conventional soybean meal to as much as **75%**.

As a result, more functional amino acids bypass rumen degradation and become directly available for absorption in the small intestine. This leads to more efficient utilization of dietary protein for productive purposes.

### **Higher Milk Protein and Improved Nitrogen Efficiency**

Improved protein utilization also enhances nitrogen efficiency. Less unused nitrogen is excreted, contributing to both economic benefits and more environmentally sustainable production.

Additionally, Bypass Soy Protein MP stimulates milk protein synthesis, supporting higher milk protein percentages and improved dairy returns.



# CROPENTA

## High-Quality Bypass Amino Acids

The product delivers a strong amino acid profile, including:

- SID Lysine: **24.2 g/kg**
- Methionine: **5.8 g/kg**
- Threonine: **16.1 g/kg**

These essential amino acids directly support animal health, productivity, and metabolic performance.

## Applications in Dairy and Beef Nutrition

Bypass Soy Protein MP is widely used in:

### Dairy Cow Rations

Up to **2 kg per animal per day**, depending on milk production level and diet formulation.

### Beef Cattle Diets

Up to **1.5 kg per animal per day**, supporting growth performance and lean muscle development.

## Recommended Inclusion Levels

### Animal Category Typical Inclusion Rate

Dairy Cows	Up to 2.0 kg/day
Beef Cattle	Up to 1.5 kg/day

## Composition

- Treated soybean meal (rumen-protected)

## Nutritional Values (Average per kg product)

Parameter	Value
Dry Matter	880 g/kg
Crude Protein	430 g/kg
Crude Fat	23 g/kg
Crude Fibre	70 g/kg
Crude Ash	63 g/kg
Starch	72 g/kg
Sugar	93 g/kg
DVE (intestinal digestible protein)	380 g/kg
SID Lysine	24.2 g/kg
Methionine	5.8 g/kg
Threonine	16.1 g/kg



# CROPENTA

## Benefits Summary (Highlight Block)

- Increased bypass protein up to **75%**
- More amino acids available in the small intestine
- Supports milk yield and higher milk protein content
- Improved nitrogen efficiency and reduced losses
- High crude protein: approx. **430 g/kg**
- Ideal for dairy cows and intensive beef cattle systems

## Shelf Life & Storage

- Several months under dry storage conditions
- Store in a cool, dry and well-ventilated environment

## Product Positioning

**Bypass Soy Protein MP** is the ideal choice for feed manufacturers and dairy nutrition specialists seeking a premium rumen-protected soy protein source that combines:

- High metabolizable protein supply
- Optimized amino acid delivery
- Improved milk protein performance
- Reduced nitrogen losses
- Broad applicability in cattle nutrition

A powerful ingredient for high-performance dairy and beef production.

# CROPENTA

## Disclaimer

*All values shown are average guideline figures. Product specifications may vary depending on raw material and processing conditions. Cropenta cannot be held liable for any inaccuracies, omissions or errors in this document.*