

TRITURO[®]



Developed especially for ruminants, this soybean meal offers balanced rumen/intestinal digestibility.



Soybean processor

Soya Excel



Organic balanced formula

Typical analysis

	As received	100% DM
Dry Matter (DM) - %	93.71	100
Moisture - %	6.29	0
Crude protein (CP) - %	47.73	50.93
Soluble Protein - % CP	16.11	
Undegradable protein - % CP	67.15	
Non-Digestible Protein - % CP	6.42	
Rumen Digested Protein/Degradable protein	32.86	
Protein digested in the intestine - % CP	60.73	
Digestible protein - % CP	93.58	
Crude fat - %	5.49	5.86
Crude Fiber - %	5.65	6.03
Acid Detergent Fiber (ADF) - %	8.18	8.73
Neutral Detergent Fiber (NDF) - %	10.57	11.28
AD-ICP - % CP	1.28	
ND-ICP - % CP	5	
ADL - % NDF	12.13	
ADL - %	1.28	1.37
Ash - %	5.99	6.39
Starch - %	1.06	1.13
Water Soluble Sugars - %	18.9	20.2
Soluble protein (KOH) - %	74.05	
Urease - Δ pH Unit	0.035	
Trypsin Inhibitor Activity - mg/g	2.42	2.58
NSC (Non-Structural Carbohydrates) - %	16.7	17.8
NFC (Non-Fiber Carbohydrates) - %	23.1	24.7
Gross Energy Calculated (INRA) - Kcal/kg	4612	4922
TDN calculated* - %	80.12	85.50
NEI 3X Calculated - Mcal/kg	2.16 (2.32) ¹	2.31 (2.47) ¹
NEg 3X Calculated* - Mcal/kg	1.61 (1.72) ¹	1.72 (1.84) ¹
NEm 3X Calculated* - Mcal/kg	2.3 (2.46) ¹	2.45 (2.62) ¹
Particulate size XL - μm	1000-1250	
Particulate size Fine - μm	850-1050	

1. Values in parentheses correspond to the effective energies, based on field observations.

Amino acids

	As received	100% DM
Total Amino Acids** - %	47.36	50.54
Cystine (CYS) - %	0.66	0.70
Methionine (MET) - %	0.57	0.61
Methionine and Cysteine (M&C) - %	1.23	1.31
Lysine (LYS) - %	3.05	3.26
Alanine (ALA) - %	2.03	2.17
Aspartic Acid (ASP) - %	5.36	5.72
Glutamic Acid (GLU) - %	8.85	9.44
Glycine (GLY) - %	1.99	2.13
Isoleucine (ILE) - %	2.27	2.42
Leucine (LEU) - %	3.68	3.92
Proline (PRO) - %	2.48	2.65
Threonine (THR) - %	1.83	1.95
Valine (VAL) - %	2.35	2.51
Arginine (ARG) - %	3.53	3.77
Histidine (HIS) - %	1.32	1.40
Phenylalanine (PHE) - %	2.33	2.49
Serine (SER) - %	2.11	2.25
Tyrosine (TYR) - %	1.73	1.85
Tryptophan (TRP) - %	0.63	0.67

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Minerals

	As received	100% DM
Calcium (Ca) - %	0.39	0.42
Phosphorus (P) - %	0.67	0.71
Sodium (Na) - %	0.09	0.1
Potassium (K) - %	2.40	2.56
Magnesium (Mg) - %	0.32	0.34
Sulfur (S) - %	0.40	0.43
Iron (Fe) - ppm	183	195
Zinc (Zn) - ppm	49	52
Copper (Cu) - ppm	12	13
Manganese (Mn) - ppm	36	39
Boron (Bo) - ppm	42	45
Aluminium (Al) - ppm	82	87

Guaranteed analysis

	As received
Dry Matter (DM) - % MIN	88.00
Humidity - % MAX	12.00
Crude Protein (CP) - % MIN	46.00
Crude Fat - % MIN	4.00
Crude Fiber - % MAX	7.00

* TDN : Total Digestible Nutrients, Calculations based on method proposed in NRC 2001

** Adapted from amino acid analyzes of Trituro for the period 2024-2025 - ESCL Missouri (University of Missouri Agricultural Experiment Station Chemical Laboratories)



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