

Meat and Bone Meal (Bovine)



Meat and Bone Meal (MBM) is a product of the animal carcass rendering process. Animal carcass trimmings, condemned livers, inedible offal (lungs) and bones are rendered to destroy harmful organisms and made MBM. Meat and Bone Meal is an excellent source of supplemental protein and has a well-balanced amino acid profile. Digestibility of the protein fraction is normally quite high, ranging from 81 to 87%. It is well suited for use in feeding monogastric and provides not only a well-balanced protein source, but also a highly available source of calcium and phosphorus. In addition to the protein (amino acids) meat and bone meal is an excellent source of calcium and phosphorus and some other minerals (K, Mg, Na, etc.). The ash content of the meat and bone meal normally ranges from 28 to 36 %; calcium is 7 to 10 % and phosphorus 4.5 to 6 %. When using meat and bone meal as the primary supplemental protein source the mineral levels may limit its use in some diet formulations. Meat and bone meal like with other animal products is a good source of Vitamin B-12.

Guaranteed Analysis

Protein	50% Min.
Fat	6% Min.
Fiber	4% Max.
Ash	35% Max.
Phosphorous	4% Min.

Typical Analysis

Nutrient, based on 96% DM Value

Crude Protein	54.9%
Ash	30.5%
Crude Fat	11.4%
Crude Fat, HCl Hydrolysis	12.1%

Packaging

Loaded Bulk in 20'/40' containers (at seller's option)

Amino Acid Profile

Alanine	7.60 %
Arginine	6.90 %
Aspartic acid	7.40%
Cysteine	1.10 %
Glutamic acid	11.9 %
Glycine	12.7 %
Histidine	2.10 %
Isoleucine	2.90 %
Leucine	6.00 %
Lysine	5.00 %
Methionine	1.30 %
Phenylalanine	3.40 %
Proline	8.10 %
Serine	4.00 %
Threonine	3.30 %
Tryptophan	0.60 %
Tyrosine	2.20 %
Valine	4.40 %

Energy Profile

Gross energy	17.7 MJ/kg
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