



Animal Protein Feed Nutrients

Nutrient Composition of Animal Protein Feeds (average*)

	Meat Meal	Meat & Bone Meal	Hydrolyzed Feather Meal	Poultry By-Product	Blood Meal
Crude Protein %	55	50	80	60	85
Crude Fat %	10	10	6	12	1
Crude Fibre %	2	3	3	2.1	1
Crude Ash %	15	28.8	2.8	15.5	4.5
Moisture %	7.5	7.5	7.5	6.5	9.5
Metabolizable Energy (Kcal/kg)	2776	2444	3240	3300	3420
TND (g/kg)	78	69	82	88	94
Calcium %	8.5	10.1	0.33	3	0.3
Phosphorus %	3.5	5.0	0.55	1.7	0.25
Methionine %	0.8	0.7	0.6	1.2	0.6
Methionine & Cystine %	1.15	1.05	3.6	2.2	2.0
Lysine %	3.2	2.75	2.0	2.7	7.0
Tryptophan %	0.5	0.5	0.5	0.5	1.1
Choline (mg/kg)	2100	2000	1090	5940	750

* Average values of U.S. commercial samples decreased by one-half standard deviation (SD) according to actual variability.