

## CHAPTER 9

### MEAT-CUM-BONE MEAL

Sterilized meat and bone meal produced in the state of the art modern plants is the richest source of protein, essential amino acids and minerals like calcium, phosphorus etc. required for growth and egg production. Meat cum bone meal is produced under the world class Sanitary and Phytosanitary conditions. It is free from all the pathogens, including protozoa, fungi and bacteria. It is rich source of energy and provides all the essential amino acids.

India is BSE free and hence can export meat cum bone meal for feeding poultry. There are two types of Rendering Plants, namely, dry rendering where offals are cooked at 133°C at 4 bar and wet rendering where material is cooked at 130°C at 4 bar for 30 minutes.

The sterilized meat cum bone meal is an excellent and cheaper source of protein, calcium and phosphorus to the poultry. The specifications for the product are as follows

#### *Percentage Chemical Composition on Dry Matter Basis*

Moisture	6 - 10%
Fat	5 - 8%
Protein	45 - 50%
Fibre	0.5 - 1.5%
M.E. (K. Cal/Kg)	2500
Ash	35 - 40%
Acid Insoluble Ash	0.5 to 1.5%
Calcium	8.0% - 12%
Phosphorus	4 - 6%
Methionine+Cysteine	0.6% - 1%
Lysine	2.5%
Sodium	0.8%
Salmonella	Absent
Lesteria	Absent
E. Coli	Absent
Coliform Bacteria	Absent

#### TALLOW

Tallow is a rich source of energy and provides all the essential fatty acids required for growth in the broiler rations.