



Processing **MEAT AND BONE MEAL**

PROCESSING • RENDERING • SOLUTIONS

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PROCESSING MEAT AND BONE MEAL FOR FEED

Bone meal is a mixture of finely ground slaughterhouse waste products. This mixture is used in the production of animal feed to supply nutrients to livestock, poultry, and pets. Meat and bone meal (MBM) is a source of protein, calcium phosphorous, vitamin B-12, and many other essential minerals to an animal's health. Additionally, bone meal can be used as an organic fertilizer for plants.

MBM may come from a variety of source, but are most commonly derived from:

- Beef
- Pork
- Sheep
- Poultry

RENDERING MEAT AND BONE MEAL

In order for animal by-products to be used in other materials, the by-products must be treated in a rendering process. Rendering involves heating raw material to remove moisture and release fat. Rendering transforms waste by-products into safe-to-use materials.

There are approximately 300 rendering facilities in North America. The United States currently produces, slaughters, and processes a huge amount of animals each year, including:

- 100 million hogs
- 35 million cattle
- 8 million chickens

RENDERING MEAT AND BONE MEAL

The by-products from the previously mentioned processes amount to more than half of the total volume produced by the animal agriculture industry in the production of meat, milk, and eggs. One-third to one-half of each animal is not consumed by humans, creating a volume of raw material of over 54 billion pounds each year.

When these raw materials pass through a rendering process, useful products are created that can be used as feed ingredients for cattle, poultry and pets.

VULCAN DRYING SYSTEMS SOLUTION

Vulcan Drying Systems supplies equipment for meat and bone meal. Our team can build a dryer to best fit your specific project needs. Our services include setup, commissioning, training, and maintenance support over the lifetime of a project.

For more information on Vulcan Drying Systems email us at sales@vulcandryingystems.com or call us at +1 (660) 263-7474.

