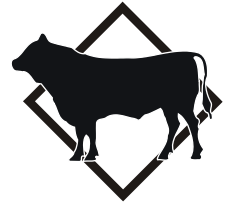


BEEF BY-PRODUCTS FACTS



There's More to Cattle than Just Beef!

When most of us think of beef cattle, we think of meat, either the hamburger we had for lunch or the steak we had for dinner. Amazingly, almost the entire body of a beef animal is used to benefit humans in some way. From the body of a typical 1,000 pound steer, 400 pounds is beef. The remainder is "by-products." By-products are anything derived as a secondary item in processing beef. These by-products have many everyday benefits/uses that are rarely connected with cattle.

Edible cattle by-products

Gelatin from bones:

- gelatin candy (e.g., gummy bears)
- marshmallows
- gel coatings for vitamin and medication capsules
- yogurt
- jello



Fatty acid-base from fats:

- chewing gum
- oleo margarine and shortening

Plasma protein from blood:

- cake mixes
- deep-fry batters
- pasta
- imitation seafood



Inedible cattle by-products

Horns and hooves:

- imitation tortoise shell
- combs
- pet chews
- imitation ivory
- piano keys

Fats and fatty acids:



- crayons
- candles
- floor wax
- detergent
- bar soaps
- shaving cream
- cosmetics such as lipstick
- deodorants
- lubricant fluids
- plastics
- tires
- perfumes
- pet foods
- livestock feeds



Gelatin from bones:

- photographic film
- paper and cardboard glues
- emery boards



Intestines:

- tennis racquet strings
- musical instrument strings

Hide and hair:

- leather goods for furniture, automobiles, luggage, shoes, clothing, saddles, and bridles
- paint brushes
- felt for weather stripping
- sports equipment - the hide from one beef animal can be made into: 20 footballs, 18 soccer or volleyballs, 12 basketballs or baseball gloves, or 144 baseballs. The sports equipment industry uses over 100,000 cattle hides each year.



Organs and blood:

- pancreas - insulin for some diabetics
- adrenal glands - epinephrin (adrenalin) to treat allergic shock, allergies
- pituitary gland - ACTH (adrenocorticotrophic hormone) to treat allergic diseases
- blood factors can be used for treatment of hemophilia



Adapted from "There's More to Cattle Than Just Beef," and "By the Way" from Project Food, Land, and People.