



# RENDERING IS RECYCLING

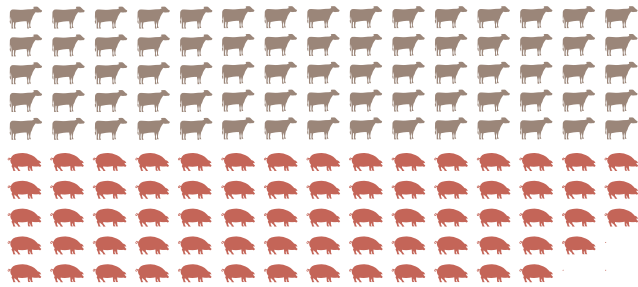


RENDERING IS AN ENVIRONMENTALLY FRIENDLY WAY TO RECYCLE MATERIAL THAT WOULD BE WASTED

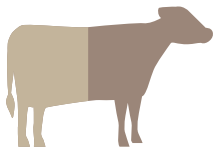
## WHAT MATERIALS ARE RENDERED?

### Packing Plants

**147.2 MILLION** head of cattle, calves, hogs & sheep are slaughtered annually in the US



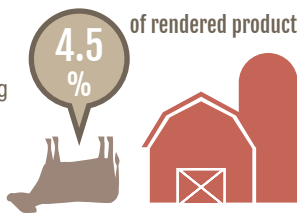
**10 BILLION** chickens and turkeys are processed each year in the US



**APPROXIMATELY 50%** of the animal is considered inedible by Americans and goes to renderers including: bones, fat, blood, feathers & some internal organs

### Farms

Some animals die on the farm from injury, old age, or other issues. Renderers prevent this from becoming a public health hazard by eliminating pathogens in the rendering process. Fallen animals only represent about 4.5% of rendered product



### Grocery Stores generate

Super Foods

**1.92 BILLION POUNDS**

of scraps, fat, bone, expired meat & used cooking oil annually

### Renderers collect



**4.4 BILLION POUNDS**

of used cooking oil per year in the U.S. and Canada

## RENDERING IS SAFE & ESSENTIAL

- Protects the environment
- Protects human health
- Protects animal health
- Sustainable and contributes to sustainability of animal agriculture
- Essential link in food chain

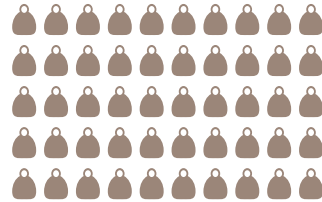


## WHAT ARE THE PRODUCTS OF RENDERING?

Renderers collect:

**56 BILLION POUNDS**

of raw materials every year in the U.S. and Canada



If all renderable product was sent to the landfill, all available space would be used in

**4 YEARS**

Renderers recycle these materials into:

**10 BILLION POUNDS**

of fat and oil products



**& 9 BILLION POUNDS**

of protein products annually



Rendered products are ingredients in:



Pet & livestock feed



Biofuel



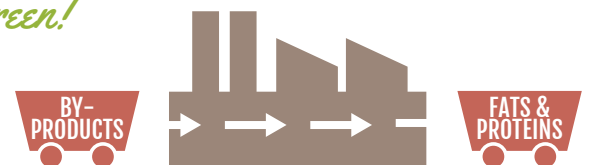
Fertilizer

Plus Other products like soaps, lubricants, detergents, and more.

## RENDERING IS Green!

Rendering is:

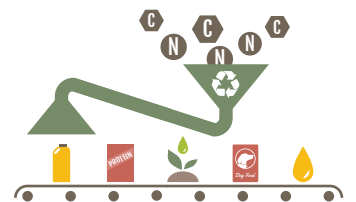
the process of breaking down animal by-products into fats & proteins



Rendering is recycling!

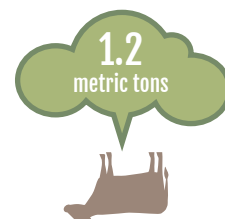
Carbon- and nitrogen-rich materials are recycled into

**USEABLE PRODUCTS**



Rendering reduces greenhouse gases.

Carbon dioxide, methane, and other greenhouse gas emissions from natural decomposition like in a compost pile or landfill are avoided.



A single decomposing dairy cow releases **1.2 METRIC TONS** of carbon dioxide.

Rendering avoids this!

Rendering these animal tissues has the same effect on greenhouse gas emissions as removing



**12,263,316 CARS FROM THE ROAD**



**FOR MORE INFORMATION:**

North American Renderers Association  
500 Montgomery St, Suite 310, Alexandria, VA 22314  
703) 683-0155 • [info@nara.org](mailto:info@nara.org)

[www.nara.org](http://www.nara.org)

Twitter: [@Renderers](https://twitter.com/Renderers)

Facebook: North American Renderers Association