



RENDERING IS RECYCLING

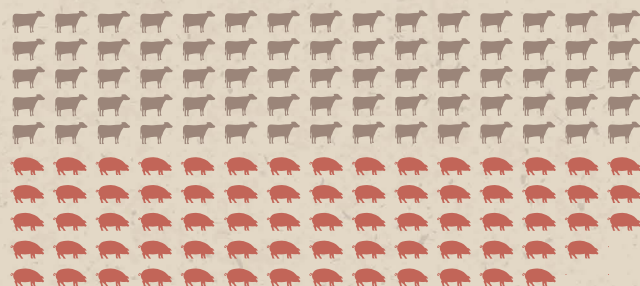


RENDERING IS AN ENVIRONMENTALLY FRIENDLY WAY TO RECYCLE MATERIAL THAT WOULD BE WASTED

WHAT MATERIALS ARE RENDERED?

Packing Plants

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



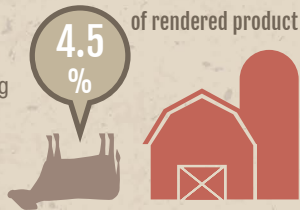
10 BILLION chickens and turkeys are processed each year in the US



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

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



WHAT ARE THE PRODUCTS OF RENDERING?

Renderers collect:

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



That amount would quickly overwhelm landfills without rendering!

If all renderable product was sent to the landfill, all available landfill 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 food



Food for cattle, pigs, sheep, poultry, fish and other livestock



Biofuel

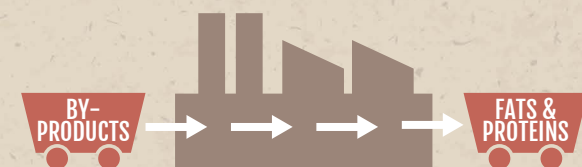


Fertilizer

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

RENDERING IS *Green!*

Rendering is:

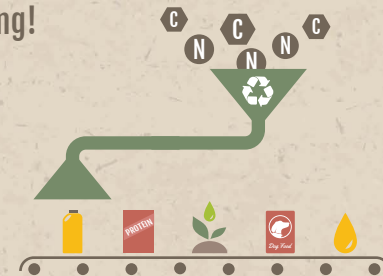


the process of breaking down animal by-products into fats & proteins

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



RENDERED PRODUCTS ARE SAFE

Rendered ingredients are cooked at **high temperatures** that control bacteria, viruses, protozoa, and fungi to ensure animal food safety and human health



Rendering companies use a program of education, training, process control, and audits called the "Code of Practice" to standardize safety expectations

More than **90%** of rendered products in the US and Canada are produced under the Code of Practice

Discarded animals and their byproducts can create a

HEALTH HAZARD

if not rendered



Renderers care about you, your pets, your livestock and the environment



RENDERING IS ESSENTIAL

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

RENDERING IS RECYCLING

FOR MORE INFORMATION:

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www.nationalrenderers.org

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[youtube.com/user/NatlRenderersAssoc](https://www.youtube.com/user/NatlRenderersAssoc)

(blog) www.renderingisrecycling.com



NATIONAL RENDERERS ASSOCIATION