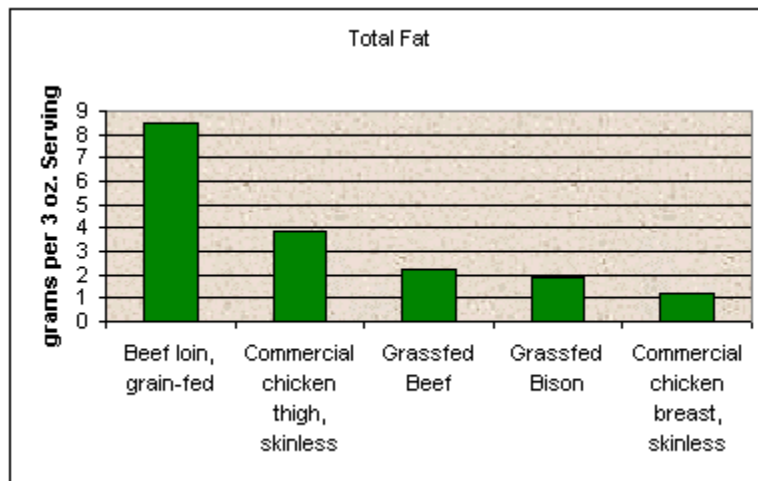


## Health Benefits of Grass-Fed Products

As you will see, products from pastured animals are ideal for your health. Similar to wild game, they contain the amounts and kinds of nutrients that your body "expects" to be fed. Switching to grassfed products may reduce your risk of a number of diseases, including diabetes, obesity, cardiovascular disease, and cancer.

**Lower in Fat and Calories.** There are marked nutritional differences between the meat of pasture-raised and feedlot-raised animals. To begin with, meat from grass-fed beef, lamb, and bison is lower in total fat. For example, a sirloin steak from a grass-fed steer has about one half to one third as much fat as a similar cut from a grain-fed steer. In fact, as you can see by the graph below, grass-fed meat has about the same fat content as skinless chicken breast, wild deer or elk.<sup>[1]</sup> When meat is this lean, it actually lowers your LDL cholesterol levels.<sup>[2]</sup>



*Data from J. Animal Sci 80(5):1202-11.*

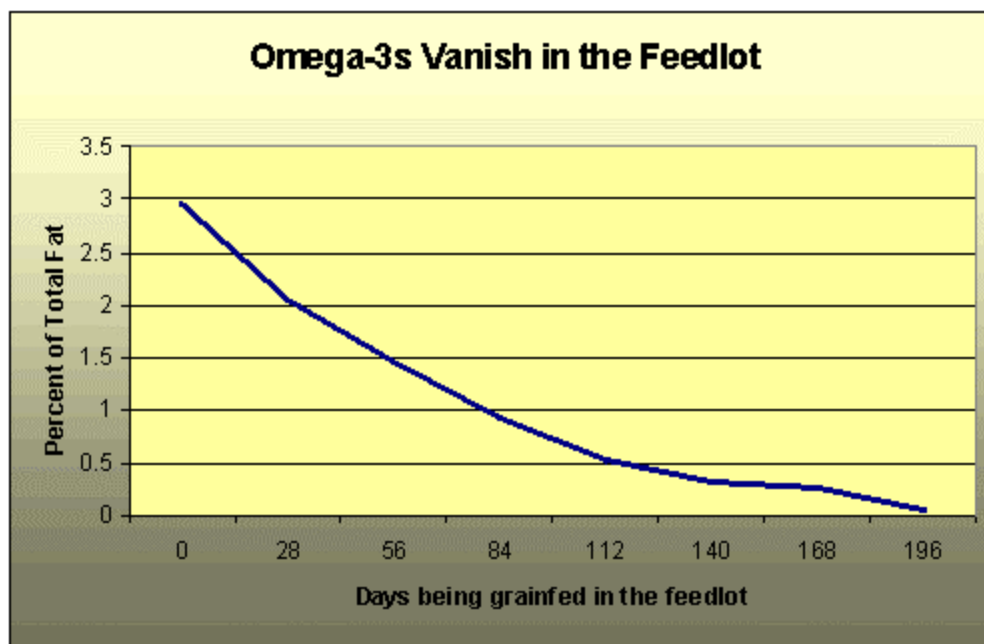
Because grassfed meat is so lean, it is also lower in calories. (Fat has 9 calories per gram, compared with only 4 calories for protein and carbohydrates. The greater the fat content, the greater the number of calories.) A 6-ounce steak from a grass-finished steer has almost 100 fewer calories than a 6-ounce steak from a grain-fed steer. If you eat a typical amount of beef (66.5 pounds a year), switching to grassfed beef will save you 17,733 calories a year—without requiring any willpower or change in your eating habits. If everything else in your diet remains constant, you'll lose about six pounds a year. If all Americans switched to grassfed meat, our national epidemic of obesity might begin to diminish.

**Extra Omega-3s.** Although grass-fed meat is low in total fat, it has two to six times more omega-3 fatty acids. Omega-3s are "good fats" that play a vital role in every cell and system in your body. For example, of all the fats, they are the most heart-friendly. People who have ample amounts of omega-3s in their diet are less likely to have high blood pressure or an irregular heartbeat. Remarkably, they are 50 percent less likely to suffer a heart attack.<sup>[3]</sup>

Omega-3s are essential for your brain as well. People with a diet rich in omega-3s are less likely to suffer from depression, schizophrenia, attention deficit disorder (hyperactivity), or Alzheimer's disease.[4]

Another benefit of omega-3s is that they may reduce your risk of cancer. In animal studies, these essential fats have slowed the growth of a wide array of cancers and also kept them from spreading.[5] Although the human research is in its infancy, researchers have shown that omega-3s can slow or even reverse the extreme weight loss that accompanies advanced cancer and also hasten recovery from surgery.[6,7]

Omega-3s are most abundant in seafood and certain nuts and seeds such as flaxseeds and walnuts, but they are also found in animals raised on pasture. The reason is simple. Omega-3s are formed in the chloroplasts of green leaves and algae. Sixty percent of the fatty acids in grass are omega-3s. When cattle are taken off omega-3 rich grass and shipped to a feedlot to be fattened on omega-3 poor grain, they begin losing their store of this beneficial fat. Each day that an animal spends in the feedlot, its supply of omega-3s is diminished.[8] The graph below illustrates this steady decline.



*Data from: J Animal Sci (1993) 71(8):2079-88.*

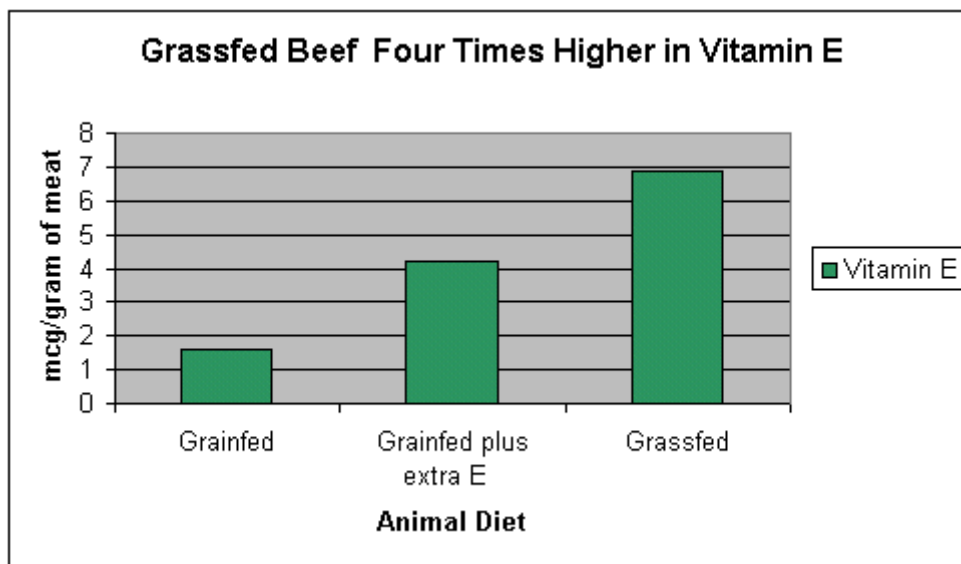
When chickens are housed indoors and deprived of greens, their meat and eggs also become artificially low in omega-3s. Eggs from pastured hens can contain as much as 10 times more omega-3s than eggs from factory hens.[9]

It has been estimated that only 40 percent of Americans consume a sufficient supply of omega-3 fatty acids. Twenty percent have levels so low that they cannot be detected.[10] Switching to the meat, milk, and dairy products of grass-fed animals is one way to restore this vital nutrient to your diet.

**The CLA Bonus.** Meat and dairy products from grass-fed ruminants are the richest known source of another type of good fat called "**conjugated linoleic acid**" or CLA. When ruminants are raised on fresh pasture alone, their products contain from three to five times more CLA than products from animals fed conventional diets.<sup>[11]</sup>

CLA may be one of our most potent defenses against cancer. In laboratory animals, a very small percentage of CLA --- a mere 0.1 percent of total calories ---greatly reduced tumor growth. <sup>[12]</sup> There is new evidence that CLA may also reduce cancer risk in humans. In a Finnish study, women who had the highest levels of CLA in their diet, had a 60 percent lower risk of breast cancer than those with the lowest levels. Switching from grainfed to grassfed meat and dairy products places women in this lowest risk category.<sup>13</sup> Researcher Tilak Dhiman from Utah State University estimates that you may be able to lower your risk of cancer simply by eating the following grassfed products each day: one glass of whole milk, one ounce of cheese, and one serving of meat. You would have to eat five times that amount of grainfed meat and dairy products to get the same level of protection.

**Vitamin E.** In addition to being higher in omega-3s and CLA, meat from grassfed animals is also higher in vitamin E. The graph below shows vitamin E levels in meat from: 1) feedlot cattle, 2) feedlot cattle given high doses of synthetic vitamin E (1,000 IU per day), and 3) cattle raised on fresh pasture with no added supplements. The meat from the pastured cattle is four times higher in vitamin E than the meat from the feedlot cattle and, interestingly, almost twice as high as the meat from the feedlot cattle given vitamin E supplements. <sup>[14#]</sup> In humans, vitamin E is linked with a lower risk of heart disease and cancer. This potent antioxidant may also have anti-aging properties. Most Americans are deficient in vitamin E.



Data from: Smith, G.C. "Dietary supplementation of vitamin E to cattle to improve shelf life and case life of beef for domestic and international markets." Colorado State University, Fort Collins, Colorado 80523-1171

To read about the health benefits of dairy products from grassfed animals, click [here](#).

**Read news bulletins about the health benefits of grassfed animal products at [Grassfarming and Human Health](#).**

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