

Awareness Protects, Ignorance Endangers!

The Dangers of Soybean

Soy Related Effects:

Cancer and DNA Damage

Brain and Learning Disabilities

Thyroid Problems

Vitamins and Mineral Absorption Etc.

All truth passes through three stages:

First, it is ridiculed. Second, it is violently opposed.

Third, it is accepted as self-evident.

Soy Related Effects

Blocks Vitamin & Mineral Absorption

Studies indicate that soy causes increased requirements for vitamins E, K, D and B12. Phytic Acid from SPI blocks the absorption of essential minerals and creates deficiency symptoms of calcium, magnesium, copper, molybdenum, iron, manganese and especially zinc – in the intestinal tract.

This may be contributing to early onset of osteoporosis in Japan, starting there as early as age 20 versus age 34 in the USA. Also, test animals fed SPI developed enlarged organs, particularly the thyroid gland and pancreas, and caused increased deposition of fatty acids in the liver.

Processing of Soy Adds More Toxins

Much soy is acid washed in aluminum tanks, leaching high levels of aluminum into the final product. Nitrites, potent carcinogens, are formed during spray-drying, and toxic lysinoalanine is formed during alkaline processing. Artificial flavorings, particularly MSG, are added to SPI and textured vegetable protein (TVP) products to mask their strong “beany” taste and to impart the flavor of meat.

Cancer and DNA Damage

Thousands of women are now consuming soy in the belief that it protects them from cancer. Yet, in 1996, researchers found that women consuming soy protein isolate (SPI) had an increased incidence of epithelial hyperplasia, a condition that precedes malignancies. Additionally, genistein was found to stimulate breast cells to enter the cell cancer cycle. Since 1993, Soy

has been known to cause DNA damage, chromosome fragmentation and errors in chromosome orientation. Soy products may increase breast cancer in pregnant women.

Brain- Aging and Learning Disabilities

Japanese Americans living in Hawaii show a significant statistical relationship between two or more servings of tofu a week and accelerated brain aging (atrophy). Participants in another study who ate tofu in mid-life, had lower cognitive function in later life, experienced greater incidence of Alzheimer's disease and dementia, and looked older. There is strong evidence linking brain damage to infants using soy formulas.

Soy Infant Formulas

Daily exposure of infants to isoflavones in soy infant formula is 6 to 11 times higher on a body-weight basis than the dose that has negative hormonal side effects in adults consuming soy foods. Toxicologist, Dr. Mike Fitzpatrick, estimated that infants exclusively fed soy formula receive the estrogenic equivalent (based on body weight) of at least 5 birth control pills per day. Early maturation in girls is frequently an indicator of problems with their reproductive system later in life, including failure to menstruate, infertility, breast cancer, and possibly uterine cancer. Problems in both sexes associated with soy-based infant formula later in life also include extreme emotional behavior, immune system problems, pituitary insufficiency, irritable bowel syndrome, asthma, thyroid disorders, including thyroid problems in babies, & infantile leukemia.

Thyroid Problems

Asians throughout the world have high rates of thyroid cancer. Japanese researchers reported in 1991 that consumption of as little as

30 grams or 2 tablespoons of soybeans per day for only one month resulted in a significant increase in thyroid-stimulating hormone. Diffuse goiter and hypothyroidism appeared in some of the subjects and many complained of fatigue, lethargy, and constipation, even though their intake of iodine was adequate.

Soy Protein Used in “Natural” Foods Bathed in Toxic Solvent Hexane

By Mike Adams www.NaturalNews.com

Virtually all “protein bars” on the market today are made with soy protein. Many infant formula products are also made with soy protein, and thousands of vegetarian products (veggie burgers, veggie cheese, “natural” food bars, etc.) are made with soy protein. That soy protein is almost always described as safe and “natural” by the companies using it. But there’s a dirty little secret the soy product industry doesn’t want you to know:

Much of the “natural” soy protein used in foods today is bathed in a toxic, explosive chemical solvent known as hexane.

Dangers of Soy

Written by Kristen. M

<http://www.foodrenegade.com/dangers-of-soy/>

Are you convinced yet about the dangers of soy? Many aren’t. “Is soy bad for you? ...Really?” I hear the question so often I want to scream. After decades of hearing marketing spin about how soy is a wonder food, a protein-rich legume able to rescue us from our

dependence on meat, I suppose it's understandable why so many people have yet to understand fully the dangers of soy. Really, you're not going to get the full story unless you research it on your own. And why would you, when soy is "universally" touted as a health food? Well, it isn't.

Dangers of Soy

Thankfully, more and more independent research has been done regarding the dangers of soy, and what it's revealed should scare you.

Phytoestrogens

Soy is higher in phytoestrogens than just about any other food source. Phytoestrogens are plant-based estrogens that mimic estrogen in our bodies. In recent years, you may have read about studies which indicate phytoestrogens are good for you. But ask yourself, who funded those studies? The soy industry, that's who. Independent research has clearly shown that consuming phytoestrogens is downright dangerous for the human body.

It's only common sense. No one argues, for example, that a leading cause of breast cancer, endometriosis, uterine fibroids, infertility, and low libido is unopposed estrogen, or estrogen dominance. Why, then, would anyone argue that we should consume more of a food high in estrogen? An infant taking the recommended amount of soy formula is consuming a hormone load equivalent of 4 birth control pills a day! Is it any wonder we've seen such a dramatic rise in precocious puberty with young girls starting their periods at 6 and 7?

Goitrogenic

Soy will destroy your thyroid. Many foods are goitrogenic (thyroid

suppressing), but soy is king of them all. Goitrogens work by preventing your thyroid from getting the necessary amount of iodine. Friends, I believe this is what happened to Oprah's thyroid. She pushed soy for years, featured it in everyone one of her "healthy" diets, and it destroyed her thyroid. If your thyroid fails, what happens? You gain weight. You have a harder time regulating your moods. You get colder more easily. You're more easily fatigued. You demonstrate an inability to concentrate and remember details. The list goes on. You simply don't want to mess with your thyroid.

Phytates

Phytates are enzyme-inhibitors that block mineral absorption in human digestive tract. They are naturally present in all grains, seeds, nuts, and legumes (which is why everyone should read this primer on how to eat grains, if you eat them at all.) But soy is so high in phytates that it's almost impossible to get rid of them. Simply soaking soy overnight in an acidic medium won't do the trick. Soy must be fermented in order to be digestible to humans. That means that if you eat soy at all, you should stick to fermented soy products like miso, tempeh, natto, or a naturally fermented soy sauce (tamari).

Trypsin inhibitors

Finally soy is rich in trypsin inhibitors. Trypsin is a digestive enzyme we need to properly digest protein. Without enough trypsin, you'll experience many digestive problems including stomach cramps, diarrhea, and bleeding. You'll also be leaving yourself open to future problems with your pancreas.

Debunking The Asian Soy Myth

But, people say, what about Asians? They eat soy every day, and they're so healthy! In this article by Nina Planck, she writes:

Soy farming started around 1100 BC in China, where it was used to build soil fertility and feed animals. Soy beans were not considered fit for humans until the Chinese learned to ferment them, which makes them digestible. Asian diets now include fermented soy beans in the form of natto, miso, tamari, and tempeh.

Soy producers want you to eat more soy — more than the Asians eat, and more than is good for you. The Japanese and Chinese eat 10 grams of soy per day — about two teaspoons. Yet a soy manufacturer recommends Americans eat ten times what the Japanese eat — 100 grams of soy protein per day. In *The Soy Zone*, Barry Sears recommends a daily diet of a minimum of 50 grams of soy, and up to 75 grams for women and 100 grams for men.

It's like red wine: a glass or two a day may be good for you; a bottle or two every day rots your liver.

Did you catch that? Asians only eat 2 teaspoons of soy a day, usually as a condiment, and it's highly fermented! Fermentation takes care of many of the dangers of soy. Plus, the typical Asian will also consume soy with mineral-rich and nutrient-dense foods such as fish broth (naturally high in iodine & other minerals which support the thyroid).

So, Is Soy Bad For You?

The short answer? YES!

Let's be clear on the recent history of soy. The soybean was a modest and unpopular crop until food manufacturers intent on creating cheap vegetable oils convinced the U.S. government to start subsidizing it. The soy was turned into oil, and the industry was left with an industrial waste product. Then somebody had a brilliant idea:

Let's take this industrial waste product full of toxins and carcinogens — isolated soy protein — and turn it into food that people will eat!

Soy foods were born. From Nina Planck's article:

The FDA refused to approve isolated soy protein as a safe food additive with the designation “Generally Recognized as Safe.” Agribusiness giant Archer Daniels Midland withdrew its application for the coveted GRAS status for soy protein, after an outcry from scientists about the toxins and carcinogens that come with it. They can still put soy protein in your food, but they have to get pre-market approval for every product.

Isolated soy protein is no health food. But we don't eat soy protein with a spoon. How do we eat it? It is the main ingredient in soy burgers, ice cream, milk shakes, and fake cheese. These soy protein products are phony foods — but they must look like the real foods they imitate. So the soy industry transforms a small yellow soy bean into something resembling a hamburger. They make soy “milk” and “ice cream” white and creamy.

The other ingredients in these foods are no better for you than the soy protein that goes into them. Soy milk, for example, is simply a cocktail of soy protein, sugar, and vegetable oil. The “natural” MSG formed in soy processing is already bad for you, but even more MSG, and more flavorings, are added. Imitation foods need a lot of help to be tasty. Many savory soy foods are loaded with additives to give them the flavor of the real foods they mimic. Most imitation meat, for example, contains man-made MSG, which causes migraines and is associated with brain cancer.

Soy foods aren't real food. They aren't traditional. They aren't old. They're industrial waste products dressed up in pretty clothes and marketed to an ignorant public.

What Do I Recommend As Alternatives To Soy Milk?

If you can't do dairy and are looking for healthier alternatives than soy milk, please see *Healthy Milk Substitutes With Recipes* for a couple of excellent alternatives you can make at home.

One alternative I particularly enjoy is coconut milk. It's full of the best kinds of saturated fat — medium chain triglycerides — which help speed your metabolism. It's also exquisitely flavorful and perfect stirred into curries, soups, and sauces. Sadly, almost all coconut milk available at your grocery store comes in BPA-lined cans. To my knowledge, only Native Forest brand is BPA-free, and not all stores carry it.

ETA: Reader comments below prompted me to include a couple of additions to this post. The questions: What about tofu or homemade soy milk? Their consumption is quite widespread in Asian cultures, and they're non-fermented soy foods. Are they okay? The answers: Tofu originated around the 2nd century BC in China, and it was made from fermented bean curd. That is how it was traditionally made before the days of refrigeration.

Most modern tofu isn't fermented anymore. You can still buy varieties of fermented tofu (aka "Stinky Tofu" or "Pickled Tofu") in some Asian markets, though. Also, according to the most comprehensive online account of soymilk's history, its use was rare before the 20th century and widespread usage was highly unlikely. In other words, it's not a traditional food. Nor is non-fermented tofu. They're the Asian equivalents of margarine, hot bath canning, "vegetable oil," or soda pop — something relatively new on the food scene which became very widespread with the industrialization of the food supply. And like these industrialized food products, they are bad for your health.

<http://www.foodrenegade.com/dangers-of-soy/>

*288 references to the toxicity of soy in the FDA's
poisonous plants database.*

77 studies showing the adverse reactions to dietary soy.

*174 studies showing the adverse reactions to
isoflavones (phytoestrogens).*

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The Weston A. Price Foundation. www.Westonaprice.org

Also see update (1b). Both are c 2000 by S. Fallon & M.G. Enig,
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"Newest Research on Why You Should Avoid Soy"

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"Tragedy and Hope: The Third International Soy Symposium," www.westonaprice.org/soy/tragedy.html

The Gerson Institute, 1572 Second Avenue, San Diego, California 92101, Phone; 619 685 5353 www.gerson.org/

Optimal Wellness Center, by Dr. Joseph Mercola, and newsletter "eHealthy News you Can Use" www.mercola.com (In 'search', type: soy)

The 1958 "Delaney Amendment" to the USA FDA Reg.s prohibits the use of any food additive if it is found to cause cancer in any animal species or man, at any dose level.

www.iisd1.iisd.ca/pcdf/meadows/delaney.htm

USA Scientists Protest Soy Approval, FDA Lay Out Concerns. Researchers, Daniel Doerge PhD and Daniel Sheehan PhD are two of the USA's Food and Drug Administration 's experts on soy who signed a Feb 18 1999 letter of protest documenting 26 referenced studies that show a link between eating soy and serious health problems.

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Basing infant formula on soy?

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The Doctor Within, The Magic Bean? Soy-Taintly Not!

www.the-doctorwithin.com/articles/magic_bean.html Soybean-Bad

www.rogerkyoung.com/soybean.html.

Further details available from Health Action Network Society.
www.hans.org