

Organic Food and Cancer: Fact Sheet

You're at the grocery store and see two of all types of produce. There's either 'conventional' or 'organic'. You've seen claims that you should only eat organic food. Others say it doesn't matter. How do you decide if it's worth it to spend the extra money on organic?

Are Organic Foods Better for Your Health?

When it comes to health benefits, there have not been any direct studies on humans to show that organic foods can prevent cancer or other diseases. So far, there is also no consistent evidence that organic food is any more nutritious (higher in vitamins, minerals and other nutrients).

Given this information, why would someone choose organic?

We know that organic foods have:

- Lower pesticide residues
- Lower amounts of food additives
- Better stewardship of natural resources like land and water.
- Better stewardship of human resources means being socially considerate of the working and living condition of laborers, needs of rural communities and health of consumers.



Organic Food Facts

Here is a good comparison of conventional vs. organic foods that the Mayo Clinic put together.

Conventional	Organic
Apply chemical fertilizers to promote plant growth.	Apply natural fertilizers, such as manure or compost, to feed soil and plants.
Spray insecticides to reduce pests and disease.	Use beneficial insects and birds, mating disruption or traps to reduce pests and disease.
Use herbicides to manage weeds.	Rotate crops, till, hand weed or mulch to manage weeds.
Give animals antibiotics, growth hormones and medications to prevent disease and spur growth.	Give animals organic feed and allow them access to the outdoors. Use preventive measures — such as rotational grazing, a balanced diet and clean housing — to help minimize disease.

The US government monitors the organic label. It can be an expensive process for the farmer's to go through in order to be able to make the organic claim. Therefore, many smaller farms that you find in your area may not be able to afford the official organic claim. If you shop at farmer's markets or coop where you can talk to the farmer, they can tell you if they use organic farm practices.

The Most Contaminated Foods

The Environmental Work Group has put together a very practical approach to buying organic. If you are trying to avoid pesticides in your food, you will want to buy the “Dirty Dozen” produce organic. The “Clean 15” are the lowest in pesticides and you can be comfortable buying conventional versions of that produce.

Dirty Dozen Plus (Buy These Organic)	Clean 15 (Lowest in Pesticides)
Apples	Avocados
Peaches	Sweet Corn
Nectarines	Pineapples
Strawberries	Cabbage
Grapes	Sweet peas (frozen)
Celery	Onions
Spinach	Asparagus
Sweet Bell Peppers	Mangos
Cucumbers	Papayas
Cherry Tomatoes	Kiwi
Snap Peas (imported)	Eggplant
Potatoes	Grapefruit
+ Hot Peppers	Cantaloupe
+ Kale/Collard Greens	Cauliflower
	Sweet Potatoes

Who's your farmer?

Local Food

Another option for your fresh fruits and vegetables is to buy local. This option can be just as important for environmental and health choices as organic foods. Local foods tend to be higher in nutrients because they are usually picked fresh and sold to you soon after picking.

This is different from the food at the grocery store which may be picked before it's ripe so that it can make the long trip to the distribution center and then on to your grocery store.

Another benefit to buying local food at a farmer's market or direct from the farmer is that it is often cheaper than buying it at the grocery store – whether organic or conventional!

Find a location for your local foods at www.localharvest.org.

References:

www.CancerDietitian.com

www.mayoclinic.com/health/organic-food/NU00255

www.foodnews.org (from the Environmental Work Group)

Julie Lanford, MPH, RD, CSO, LDN is a registered dietitian and board certified specialist in oncology nutrition. She currently serves as Wellness Director at Cancer Services, Inc in Winston-Salem and authors a cancer nutrition website at www.cancerdietitian.com. Cancer Services, Inc is a United Way partner agency.