* [S.E. International](https://us-mg5.mail.yahoo.com/neo/launch?.rand=b39pqodbqqs64" \o "radiationinfo@seintl.com)
* Today at 9:58 AM

To

* 'Nancy Gill'

Here is what I tell folks about the ability for detecting food with the Inspector.

Water is a shield for radiation so unless there is gamma radiation our instruments are not ideal without a little processing of the water in question (beta and alpha will not move very far in water and will be shielded by it). You can take a sample of the water and run it through a filter and test the filter or you can evaporate it down and test the swipe on an Inspector+ with a [Wipe Test Plate](http://www.seintl.com/products/inspector_wipetest_plate.html), however, the [URSA-II](http://www.seintl.com/products/ursa_II.html) with the appropriate detector would be much more efficient for this application..

**If you do use an Inspector for testing food, we recommend you take a back ground timed count 10 minutes to establish what your background average is.**

Then take the food you are testing.  If the food is highly contaminated with gamma, the detector will give you a reading with many clicks of the detector.

But if there are low levels, we recommend taking another timed count over the food to see if you have any significant difference from you back ground.  This would only be a possible indication you may have something contaminate.

If you have any questions or comments, please don’t hesitate to contact me.

Best Regards,

Beth Cramer

Director of Sales

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* Measuring radiation in food:

Inspector Geiger [midwestMad](http://www.naturalnews.com/041611_radiation_testing_Natural_News_Store_Fukushima.html#comment-1001415577)

• [a month ago](http://www.naturalnews.com/041611_radiation_testing_Natural_News_Store_Fukushima.html#comment-1002435685)

Hi MidwestMad,  
Measuring radiation in food can be difficult, but not too difficult. Making laboratory grade accurate measurements on food does require special techniques and equipment to measure accurately the radiation contained in the food. These include heavy lead (Pb) measurement chambers and dehydrating or burning of the food source to remove water. A lab will measure a food source for about $1000 a sample, too rich for me! I see the day when food suppliers will not only certify "organic" or "GMO free", but "radiation free" as well. If you do searches on the Internet, you will find a ton of info from folks who test food for radiation.  
The idea with the use of a Geiger counter like the Inspector ($550 - $600 on Amazon) is to detect the radiation. I personally own about 10 Geiger counters and love the Inspector, it is superior to anything I have. The Inspector is a small, lightweight, portable and most important very sensitive detector. With whole foods the ability to measure accurately is impaired, the goal is to see if there is radiation present. Any radiation readings above background level (40 - 50 counts per minute here) indicates some level of radiation present in the food.  
It is difficult to measure certain foods in the grocery store. An example would be canned food; the alpha and beta radiation is blocked by the can and the liquid in can also attenuates the radiation. Gamma radiation will penetrate the can, but may not be present and the food may be contaminated by an alpha or beta emitter only (undetectable in the can). Stores frown on you opening a can to take a reading, so you buy and take it home and test it.  
Some packaging will make measuring radiation difficult. Alpha radiation is stopped by a single piece of paper, but alpha (plutonium, polonium, etc.) in the body is 20 times more dangerous than beta or gamma radiation. Beta radiation will penetrate paper OK, but steel and water really cut it down. Gamma goes through most materials except thick lead, etc.  
I have had great success detecting radiation on fresh vegetables, especially leafy vegetables. I put the veggies in a produce bag and set it in the cart and lay the Inspector Geiger counter on the bag and take a 2 minute average reading. Need to be discreet here, do not want to attract attention, otherwise other shoppers will want you to measure their food and that could take a lot of time.  
Unfortunately, this problem is only going to get worse with time (like filling a bucket one drop at a time, eventually the bucket gets full). People from Japan set off radiation detectors in airport screening areas because they have consumed so much radiation from their food, etc., they are radioactive. Radiation is not removed from the body and once in the body, it is there for life, so a little radiation here and there soon adds up to a large amount (called bioaccumulation). Some of the big radiation isotopes from Japan are Cesium 134/137 (goes to the muscles, look like potassium to the body), Strontium 90(goes to the bones, looks like calcium to the body) and Iodine 131 (goes to the thyroid). There are hundreds of different isotopes at Fukushima and each have different effects on the body.  
A couple of good information websites are:  
[enenews.com](http://enenews.com) (read the comments as well, some very knowledgeable folks)  
[radiationnetwork.com](http://radiationnetwork.com)  
[rense.com](http://rense.com) (some continuous focus of Fukushima radiation here)

I have this exact meter and have found that Organic Milk shows high readings (showing CPM 70 Total count 421). Which makes sense to me Grass feed cows are eating the fall out. I even tested Nama Shoyu... their plant is right down the road from Fukushima (I actually stopped using their products thinking there was No Way it could be safe) but surprisingly to me it was just fine (CPM 36 Total count 160).

Wait until the next rain and you will get your high read... I was told that Nori wraps are showing high counts right now as well. I am in Calif.   
YOU ARE AWESOME... Thanks for doing what you do....

5.0 out of 5 stars **The Rabbit Hole**, February 2, 2013

By

[**Spaceman**](http://www.amazon.com/gp/pdp/profile/AXASWKJHB3TYO/ref=cm_cr_pr_pdp) (washington dc) - [See all my reviews](http://www.amazon.com/gp/cdp/member-reviews/AXASWKJHB3TYO/ref=cm_cr_pr_auth_rev?ie=UTF8&sort_by=MostRecentReview)

**This review is from: Radiation Alert INSPECTOR XTREME Microprocessor-Based Ionizing Radiation Detector with Protective Boot (Misc.)**

I somewhat reluctantly purchased a Geiger Counter (Inspector Extreme) to check for radiation in food purchased from Japan. That was my first mistake. Second mistake was using it - ignorance can be bliss and a Geiger counter can become quite addictive (but more on that later).  
  
The unit itself is very well made, rugged and straight forward to use. It utilizes mechanical switches and is not menu driven to change measurement modes (there is a small exception, changing from micro Sieverts to milli Roentgens uses mechanical switches and simple menu). I like this design because I do not have to cycle through menus and screens to get the unit running quickly or if I was ever in a duress situation. Also mechanical switches are less prone to electrical interference in a radioactive environment (just my engineering intuition although if the radiation is high enough to mess up the electronics you're probably going to die anyway..)  
  
The material quality, fit and finish are first rate. The case is heavy textured plastic and the protective rubber boot is a must as the pancake GM tube is delicate due to the very thin wall construction necessary for alpha detection. The boot has a swing down cover that protects the pancake GM tube when not in use or as an "alpha shield". I really like the boots' nylon belt loop that allows me to securely wrap my fingers through it while holding and scanning with the unit.  
  
I've used the unit every day for two months with zero issues. I use it to measure background radiation, food and just about anything else that gets in my way. I discovered I had an old clock with radium hands that lit my Geiger Counter up like an alien invasion. That clock is now in the tool shed!  
  
The Rabbit hole - Yes I have found radioactive food from Japan. Dried mushrooms 20CPM Over Background (OB). Nori/Seaweed (for sushi) 15-20CPM OB, both Japanese and Korean brands. Tea is 10-15CPM OB. Almost everything that comes from Japan is at least 3-5 CPM OB. BUT that's not what bothers me. What bothers me is that in addition to "post" Fukushima tea, I have a pantry full of "pre" Fukushima Japanese Green Tea (bought at Costco and at the Japanese market) which is just as radioactive. Various types of tea from Teavana and Lipton are hot regardless of type. I have also found Costco California Pistachios to be 10 CPM OB, Lactaid milk 4-8 CPM OB, Cheese-its 7 CPM OB (the salt?) and my favorite Quaker Oatmeal is 7 CPM OB. While perhaps an insignificant amount of radiation, I have no idea what type of contamination my family may be ingesting.  
  
I measured my "in use" whole house air filter (Honeywell 4x20x25) and found it to register consistently around 0.4 to 0.5 micro Sieverts OB. That caused me to question my radon abatement system. I had the house radon checked (in 4 locations) and thankfully came in under 1.6 PiC/L. In consultation with the VA Dept. of Health and 2 professional environmental health companies, it seems my filter is capturing concentrated "radon daughters" (which is a good thing to capture).  
  
While I realize that my measurement results are within the tolerance of the accuracy band of the unit, it is the repeatability/consistency of the measurements that give me confidence in the readings. I perform every measurement at least twice for a minimum 10 minute count each time (and of course subtract out the background 10 minute count). Regardless, something is going on in our environment and it seems to go beyond just Fukushima. Perhaps it is the fertilizer in the soil, perhaps it's something worse. Ok, I've digressed, but the unit provides consistent and repeatable results.  
  
The Inspector Extreme is an excellent device. It is well made, reliable, accurate and sensitive without too many bells and whistles. For the last two months I've used the unit every day (for an hour or so) and am still using the original 9 Volt battery. The smart folks at SE are truly accessible; the "customer service" folks are the actual engineers and QA employees. I have spoken to them on multiple occasions to discuss my results and tons of other questions (like will aircraft cabin pressure damage the pancake GM etc. - No I'm told). Because of this purchase I have studied up on Sieverts, REMs, rads, roentgens, curies, Becquerel's, grays, alpha, beta, gamma, isotopes, half-life, x rays, med tests, doses etc. The subject is a bottomless pit, a true rabbit hole. Sometimes ignorance is bliss.  
  
Update August 22 2013 - unit is almost 9 months old and still performing excellently with zero issues.

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 [](http://disqus.com/susanboulanger/)

[Susan Boulanger](http://www.naturalnews.com/041611_radiation_testing_Natural_News_Store_Fukushima.html)

• [a month ago](http://www.naturalnews.com/041611_radiation_testing_Natural_News_Store_Fukushima.html#comment-1000914957)

I was forced to get x-rays for a surgery. Anyone have any recommendations to cleanse it out, or is the damage done?

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* [](http://disqus.com/Alan8/)

[Alan8](http://www.naturalnews.com/041611_radiation_testing_Natural_News_Store_Fukushima.html) [Susan Boulanger](http://www.naturalnews.com/041611_radiation_testing_Natural_News_Store_Fukushima.html#comment-1000914957)

• [21 days ago](http://www.naturalnews.com/041611_radiation_testing_Natural_News_Store_Fukushima.html#comment-1015157572)

* + [−](http://www.naturalnews.com/041611_radiation_testing_Natural_News_Store_Fukushima.html)

In the future you should take antioxidants (Vitamin C, vitamin E, rutin, selenium, grape-seed extract) BEFORE you get the x-rays.

Radiation causes damage by creating free radicals, which are oxidants, i.e. they "steal" electrons from neighboring atoms, which, in turn, steal electrons from their neighbors..., creating a chain reaction of damage.

Antioxidants block this chain reaction.

But the x-rays you received aren't nearly as damaging as inhaling or eating radioactive particles. I think it would be a good idea to replace the furnace filter in your house with one that takes out particles down to one micron. The jet stream is carrying radioactive particles from Japan east, into the U.S., which you want the filter in your house to catch.

  [](http://disqus.com/disqus_R4B12ngy0T/)

[GENUG](http://www.naturalnews.com/041611_radiation_testing_Natural_News_Store_Fukushima.html)

• [a month ago](http://www.naturalnews.com/041611_radiation_testing_Natural_News_Store_Fukushima.html#comment-1000444557)

stuff from California sometimes has some elevated readings (I have the Inspector Alert). BUT what DOES give higher than 100 cpm are ceramic coffee cups made in China. For some reason, they measure (the white glazed cups - many promotionals, etc.) between 80-120 cpms. My ambient is 32 cpm. I put all the cups in a shopping bag and was told by my DOH to bring them to hazmat disposal days. My daughter's hand made ceramic coffee cup made by a local artist read 45 cpm, expected from the clay.  
But 80-120? not acceptable.

  [4](http://www.naturalnews.com/041611_radiation_testing_Natural_News_Store_Fukushima.html)

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dav

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Just pointing a Geiger Counter at your food before  
dinner is pretty much meaningless! Check out antiprotons youtube video called "Geiger Counter vs. Scintillator" . Understanding of radiation could be the difference between life and death

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You can take spirulina, chlorella, mushroom supplements like reishi, shitake or turkey tail, vitamin C, vitamin D, turmeric -- any or all

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Susan Pearce

• [a month ago](http://www.naturalnews.com/041611_radiation_testing_Natural_News_Store_Fukushima.html#comment-1000762525)

Mushrooms were a concern right after Fukushima. Are mushrooms still a problem, since they are growing in the same soil that was contaminated two years ago?

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Yes. Some of the isotopes (e.g. iodine) are no longer radioactive, but others will remain radioactive for thousands of years.

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Guest

• [a month ago](http://www.naturalnews.com/041611_radiation_testing_Natural_News_Store_Fukushima.html#comment-1000622690)

Mike, for testing, Brazil Nuts normally show higher radioactivity. This is normal.

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Liquid dulse... search it + radiation therapy. Not easy to find at a fair price.