

The Advantages of using Sea Nutrients

Excerpts from Sea Energy in Agriculture Renewing the Soil with Sea Solids, by David Yarrow

In the early ages of our planet, water dissolved minerals from crystal bedrock, washing them into a vast ocean. Rain and ice scoured the infant orb's dense granites and then flowed into streams and rivers, which all ran together into the sea. Minerals in endless flowing solution accumulated in the ocean over many millennia. Sea salt has all the elements needed for life. Over countless years, land has been worn down by wind and water, and elements washed out to sea. Thus, the sea received the enormous chemical richness and balance that once supported life on land. So, when we savor the flavor of food, our fundamental seasoning is salt — the sea its original source. Natural sea salt is a faint gray-green, with soft, complex crystal structures, but today's table salt is only sodium — pure white cubic crystals of chloride. All other seawater elements have been refined — removed and taken out. Gone is the iron; lost are potassium, calcium and magnesium, as well as more minor minerals and trace elements than we can yet measure...

As a university student, Murray had tried to induce cancer in a toad. He was astonished to learn that the amphibian had natural immunity. He sought answers in ocean animals rather than freshwater and land animals... Ocean animals, he discovered, did not develop the degenerative diseases that plague man: "Looking at ocean life, one is immediately impressed that in this 71 percent of earth's surface, there is no cancer, hardening of arteries, or arthritis. Disease resistance in sea plants and animals differs remarkably from land animals. Ocean trout don't develop cancer, while freshwater trout over five years have liver cancer. It's difficult to find any land species without cancer... Murray noted that aging hardly occurs in the sea. Comparing cells from adult vs. newborn whales showed no evidence of the chemical changes observed in land mammal cells. Some sea denizens seem to never cease growing. Comparing the sizes of land vs. sea turtles reveals the tremendous difference..."

Murray noticed the elements in seawater are essentially the same as in blood, and very close to the same quantities. This seemed no coincidence, but a true clue to the role of minerals in health... He decided to use seawater as a soil amendment, and observe whether this provided any benefit. Perhaps if soil is supplied with all essential minerals, plants will absorb them as nutrients and pass them on to the animals that eat them.

Over the course of more than 20 years, Murray tested sea solids on various crops in seven states and in different climates. Experiments indicated that land plants tolerate 400 to 1000 cc. of seawater to 1/3 cubic foot of soil. Sea solids were administered to soil at 500 to as much as 3,000 pounds per acre. Excepting cases of serious rainwater runoff, one application would last five years. Corn, wheat, oats, barley, hay, fruit trees, vegetable crops and other plants were raised using seawater or sea solids. Fields were planted so that an experimental plot using sea solids (applied at 1,000 to 2,200 pounds per acre) was situated beside a control plot using the best commercial method. Crops fertilized with sea solids grew faster, were healthier, and produced far greater growth. Resulting color, disease resistance, taste and yield were outstanding...

Not only were experimental crops superior, but effects on animal physiology and pathology were delightfully amazing." Feeding experiments with cattle showed greater weight-gain after eating less experimental feed. Chickens were particularly partial to sea solid-grown feeds; they grew more quickly, hens produced more and larger eggs sooner, and at slaughter their meat was of better quality. Murray wrote, "Chickens, pigs and cattle fed sea solids produce reached maturity sooner than controls, and resisted diseases common to their species better. Experimental pigs carried benefits into a second generation; there were no runts in litters."

Murray's most astonishing tests were with lab mice: "A first animal experiment was on C3H mice, which get spontaneous cancer of the breast. We hoped sea solidsgrown food could build resistance to the virus or cancer. "C3H mice were divided in two groups. Controls were fed regular cereal grain, while experimentals were fed cereal grain raised on sea solids-treated soil. "Instead of cancer in 90 percent of controls, experimental animals' rate dropped to 55 percent. Second generations born to parents fed sea solids food had cancer in only 2 percent of the population!" This single experiment caused Murray to reconsider the conventional causes attributed to this dread disease. He repeated his experiment in variations. Each time, sea solid-fertilized feed seemed to impart resistance, perhaps immunity, to cancer.

For more info, visit:

- http://www.oceangrown.co.uk/images/sea_energy.pdf
- <http://www.championtrees.org/topsoil/seaaponics.htm>