

## **Dairy Farmer's Cows Totally Grass Fed After Incorporating SEA-90 in Mineral and Soil Fertility Program for Three Years.**

A family owned Organic Dairy in Michigan began offering SEA-90 to their herd as part of their free choice mineral program after hearing Robert Cain speak at the N. Michigan Small Farm Conference in 2006. Like most other dairy farmers, they had struggled for many years to find a mineral and fertility program that was approved for organic agriculture and would also help increase his productivity and profits.

In the past, the owner utilized a mineral feeder box where he could introduce up to ten various mineral products allowing the cows to choose what they need on a daily basis. The owner stated that once he introduced SEA-90 into the feeder, the cows immediately showed significant interest. That was the first indication that SEA-90 contained something the cows desired that was not present in mineral products previously offered. Within six months they began to notice a decrease in somatic cell counts, fly pressure and hoof problems. After one year, they realized a significant drop of over 100,000 in somatic cell count and knew SEA-90 was impacting herd health and profits in a beneficial way. Since then somatic cell counts have stabilized and remain constant at 125,000. In addition, Robert instructed that they could also choose to foliar feed and/or broadcast SEA-90 to remineralize their pastures, grass and hay upon which his cows grazed.

They initially ordered a full truckload of 48,000 lbs SEA-90 and the following spring broadcast 250 pounds per acre on all their pastures. Robert explained that SEA-90 is offered as a mineral supplement to livestock because, in many cases, the pasture grass they graze is extremely mineral deficient due to over-grazing and elemental imbalances. In Robert's words, "SEA-90 is "water soluble mineral-rich rock dust and contains all the mineral salts and trace elements found in the earth's surface and the periodic table." For each of the next 5 years they ordered another 48,000 lb truckload of SEA-90 and spread 250 lbs per acre on different pastures while always offering SEA-90 as a mineral to their cows.

In 2011, the Dairy Farm marked their five year anniversary since their introduction of SEA-90 into their farm mineral and fertility program. The owner states that he has the best herd health he's ever seen in his 60 years as a dairyman. The protein and sugars in the forage and hay are now high enough to sustain their herd with no additional grain inputs, and herd's somatic cell counts have stabilized under 130,000. Milk protein and butterfat have increased from previous levels three and two percent respectively. In addition, milk solids have increased in the range of eight to 10 percent.

Organic Valley Coop established an acceptable LPC or lab pasteurized count test for shelf life. Milk should not test over 240. A monthly average below 76 generates a \$ .40 premium per CWT, while a monthly average between 76-150 generates a \$ .20

premium per CWT. Their milk consistently tests in the range of 10-60! Their milk has also tested as preferred “A2”. The owner commented that his cows have freshened better since he began broadcasting SEA-90 on his pastures and offering it as a mineral supplement. He was happy to say that his calf mortality rate dropped 75%. Since SEA-90 was introduced, their raw milk customers claim that the milk produced by their cows tastes sweeter and is the highest quality in Michigan. However, the best part of this story is the Dairy is more profitable than ever before!

SeaAgri believes that livestock can reach their full genetic potential once SEA-90 is introduced into mineral and fertility farm programs. Herd health improves while new offspring offered a continuing diet containing 92 periodic table minerals and trace elements throughout their lives will be more disease and infection resistant and can grow more quickly to their full potential. After several years, new generations will be superior to their parents in many ways. In addition, SEA-90’s bounty of minerals and trace elements have the ability to remineralize deficient soils and increase the nutrient density of pastures and crops. SEA-90 has become a household word in many farming and gardening communities as proven by our growing customer base of over 3000 farmers and gardeners globally.

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