

A complete soil analysis that indicates some micro elements which are missing or are deficient.

I am an MS degreed Minnesota graduate in agronomy and Cytogenetics. My agronomic services are heading into 36 years in agronomic technology and plant nutrient recommendations. As noted from past experiences, the synthetic fertilizer prices are now too pricy or are cost prohibitive.


Our new plant nutrient extraction machines will be able to reduce the cost of nutrients produced by up to 60 % to 70%. The organic plant nutrients are converted by bacteria and / or fungi from organics into inorganics sources that are preferentially utilized. The most inexpensive source could be mixed with a product such as rock phosphate, egg shells, blood meal, powdered calcium and other raw plant fertilizer products and applied. All of these products can be collected and stored for a short period of time, processed with one of our plant nutrient extraction machines where plants are exposed or mixed with other matter that can be obtained with the plant extraction machine and water to obtain a homogeneous mixture for soil application, and uniform nutrient distribution. Keep in mind that the application of minor elements will defeat the [Liebig's Law of the Minimum](#) that has not been defeated over 200 years.

Similar to the homogeneous mixtures produced, it is advised to dilute the media to a ratio of 1 part liquid or ground media mixed with 1 part of water. It is vitally important that the total media be pH corrected, based on the crop pH required for the intended crop to be grown.

It has been learned that there are soil bacteria and fungi that convert the plant nutrients such as raw ground rock-phosphate to an available phosphate. Additional nutrient carrying elements such as nitrogen (use clovers etc.) sulfur, magnesium, calcium, and other plant nutrient sources that carry the needed elements in question. Please note that the [Liebig's Law of the Minimum](#) can be easily overcome with the least minimum cost since the machine puts all the materials into a homogeneous mixture.

See our website for the various machines and the quantities of the maceration media produced which can be converted by the bacteria and fungi into available plant nutrients sources mentioned above.

Professional Regards,



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