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Editorial

Why We Should Ban All Toxic Agricultural Practices of Using NPK Fertilizers?

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EDITORIAL

My company PRC Global Pte.Ltd, Singapore, is a signatory to FAO GSP partnership and has initiated pilot projects in Northern Nigeria to grow crops like rice, cassava, sorghum, banana and sesame seed without the use of toxic chemical fertilizer named NPK (nitrogen, phosphate, and potassium). Ammonia Nitrate is a component for bomb fabrication, and a huge carbon and pollutive industries at various mining sites all over the World. The other 2 compositions of NPK fertilizers like phosphates and potassium are just as toxic and pollute to land, and water system.

Civilization and history have proven that crops agriculture for human consumptions do not need toxic NPK fertilizers that are toxic and contaminating to water system, soil, health of human and animals. There are many dead zones in our water and ocean system, with red tides and algae blooms thriving in the biodiversity of water with destructions of our life supporting system, and microorganism that humanity thrives on.

The global practice use of toxic NPK fertilizers have created damages to our ecosystem, water, soil, land, animals, humanity and biodiversity too. When the applications of high soluble NPK fertilizers are added into any soil, about 80/95% are wasted into water system nearby. The roots of crop do not have the capacity to assimilate all the NPK fertilizer applied. (There is no such thing as precision applications to soil).

When NPK fertilizers leach into the water and ocean system, eutrophications take place, resulting in toxic algae bloom to ocean and water system nearby. Anoxia, and hypoxia (loss of oxygen) in water exterminate fishes and marine organism that are part of our life supporting ecosystem and biodiversity are destroyed too.

Marine organism and fishes are left to decay in water system, and soon cyanobacteria begin to mutate and causes more decay to take place. Water system with cyanobacteria, red tides and toxic algae blooms are catastrophic to marine life, animals and human too, can be fatal to animals and human too. Cyanotoxins from cyanobacteria are environmental cause of neurodegenerative diseases such as amyotrophic lateral sclerosis (ALS), Parkinson's disease, and Alzheimer's disease (FROM USA CDC site).

As a global citizen I am lobbying for a global ban on the use and production of all toxic NPK fertilizers for food crops agriculture. It can be substituted by 100% nature based solution which is greener and economical, by putting carbon back into all soil. The secret to greater successful harvest/yield are from the protistology of soil that we should be concerned, and not the toxic NPK fertilizers that the toxic Chemical giants are peddling. Nitrogen for food crops is available in abundance by nature about 79% in air, and composition in other natures' element. With photosynthesis capacity and good protistology, farmer should optimize harvest and yield beyond his/her dream. There is no eco evidence to suggest that toxic NPK fertilizer is a must in any food crop agriculture. There are mis-selling and mis-presentation in the toxic NPK fertilizer industry that must be halted by FAO by convention.

To mitigate the impact of climate change and destruction to global soil, all NPK fertilizer industry production and trans boundary transportation of Ammonia nitrate/phosphate must be halted, before more red tides and algae blooms thriving in our water and ocean system, to become the next atmospheric/water pandemic. With the global population exploding to 9/10 billions, we should be able to produce sufficient food crops to feed the World, by sequesting carbon back into the soil, and enhancing the protislogy of soil with nature or science. Toxic NPK fertilizer is irrelevant in any food crop agriculture for higher harvests/yields.

The cradle of civilizations in Babylon Mesopotamia has proven to manage to grow agricultural crops, to feed the populace along both sides of the rivers with proper irrigations in abundance. NPK fertilisers did not exist then, and it is irrelevant today nor in the near future too. The trick is to retain the biodiversity of the living soil protistology and not NPK. You can see my lobby to ban all toxic NPK fertilisers Worldwide.

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