Diamagnetic Water Filtration: Perpetually Green Nitrate Removal

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Over the past years with a growing world population we have had an exponential demand in crop production and so to solve this problem the use of copious amounts of fertilizer has become a normal process in many crop production corporations. However one of the key components of fertilizer is Nitrate which in large quantities is extremely hazardous for the environment. With the use of fertilizer much of the nitrate is turned into runoff which flows into all nearby aquatic ecosystems. The resulting Induction of nitrate produces an exponential growth of plant life, This new growth of life can not be supported by naturally occurring ecosystems. When this occurs it is known as eutrophication, the process of an entire ecosystems plant life dieing, bonding with the remaining oxygen creating an uninhabitable environment where life does not exist which is known as a dead zone. Without lowering levels of nitrate used in fertilizer the other method of removal in practice is the instatement of a water treatment facility. This however results in chemical waste which makes it impractical. Diamagnetic Water Filtration is a newly established method of nitrate removal I discovered. This process utilizes the covalent bonds nitrate forms with bismuth to bismuth trinitrate pentahydrate to remove nitrate pollution from any aquatic ecosystem. By using a natural process which results in a compound that can be broken down into its base components, this is the worlds first completely green methods of practical nitrate removal.

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