Agriculture and Food Security

Why we need to stop the NPK fertiliser usage & production now?

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There are **misselling** & **mispresentation** in the Global NPK fertiliser industry.As, there is **no historic truth** that NPKfertiliser is a must in any agricultural crop practice. We **must stop** the production of all NPK fertiliser, before our Global biodiversity, soil & water system are destroyed beyond **recovery.**

There are many dead zones, already in our water system as seen by orbiting satellites.

Eutrophications are taking place in many water systems already, causing harmfull algae blooms.





Ron Tan

Users:

Benefits all Agriculture Industry World wide

For all Ministry or Dept of Agriculture





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Land Cover, Land Use Change and Ecosystems

SOIL & LAND & AIR DESTROYED BY NPK

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THE CURRENT TOXIC AGRICULTURE PRACTICE USING NPK FERTILISER HAVE DESTROYED THE BIOVERSITY & NATURE ECO SYSTEM UNDER GROUND TOO. HUMANITY IS SUSTAINABLE ONLY IF THE CYCLE OF FOUNDATION OF LIFE IS KEPT IN A CLOSED LOOP. WHAT WE EXTRACT FROM NATURE MUST BE GIVEN BACK. FEW REALISE THE IMPORTANCE OF MICROBES, FUNGI & BACTERIA IN NATURE'S ECO-SYSTEM. ALTHOUGH, BACTERIA/VIRUS DO CAUSE DESTRUCTION/DISEASES TOO. THEY HAVE A VERY IMPORTANT FUNCTION IN THRIVING & RETAINING HEALTHY SOIL.



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THE USE OF NPK FERTILISERS HAVE A HUGE DETRIMENTAL IMPACTS ON SOIL ,WATER & BIODIVERSITY. IT IS A VERY CARBON INTENSIVE & POLLUTIVE INDUSTRY TOO.







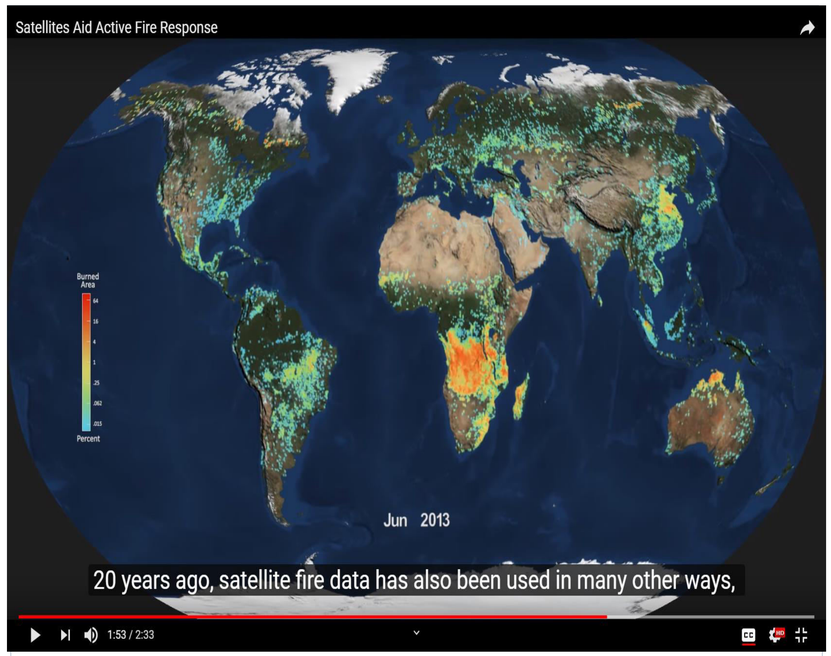
Weather and Climate

THE DETRIMENTAL IMPACTS OF NPK FERTILISER INDUSTRY TO CLIMATE CHANGE.

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THE PROCESSING OF NPK FERTILISER ARE VERY CARBON & WATER INTENSIVE. HUGE AMOUNT OF GAS ARE NEEDED TO SYNTHESISE FOR AMMONIA AND THE MINING OF PHOSPHATES ARE JUST AS CATASTROPHIC FOR CLIMATE CHANGE.

THE GOAL IS TO 100% SUBSTITUTE NPK FERTILISER IN GLOBAL AGRICULTURE PRACTICE BY PUTTING CARBON/NITROGEN BACK INTO GLOBAL SOIL BY NATURE BASED SOLUTION FOR HIGHER YIELDS. PHOTOSYNTHESIS IS A NATURAL PROCESS.



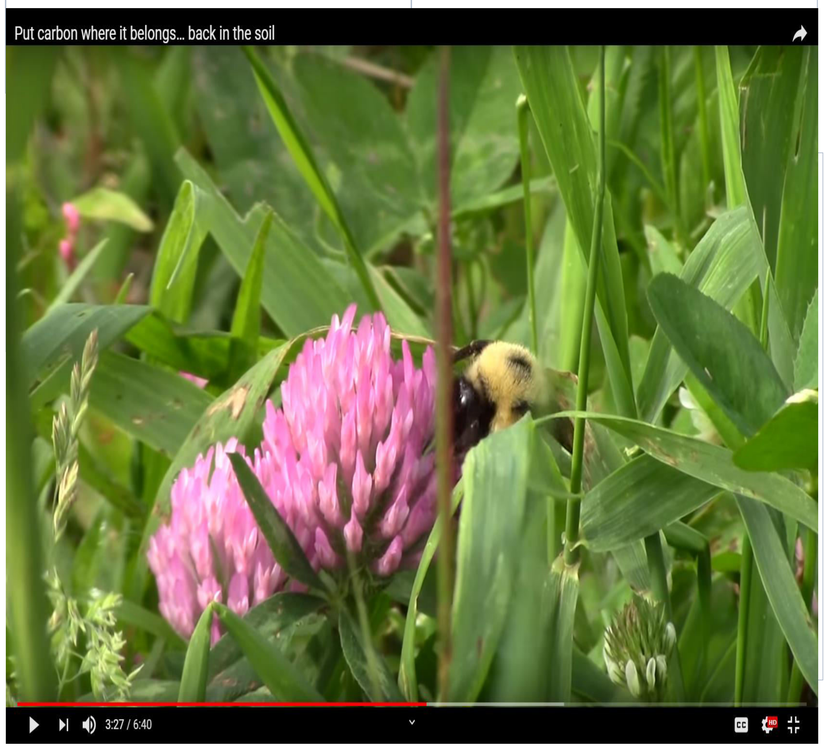




THERE ARE 17 ELEMENTS THAT ARE NEEDED FOR GREENER AGRICULTURE PRACTICE FOR HIGHER QUALITY YIELD/HARVEST. CARBON, HYDROGEN,OXYGEN & 14 MINERAL BASED ELEMENTS THAT ARE ESSENTIAL FOR HEALTHY CROPS WITH HIGHER YIELD/HARVEST.

BACTERIA/FUNGI MYCORRHIZAL IN SOIL ARE JUST AS IMPORTANT FOR BETTER YIELD.

PUTTING CARBON BACK INTO THE GLOBAL SOIL



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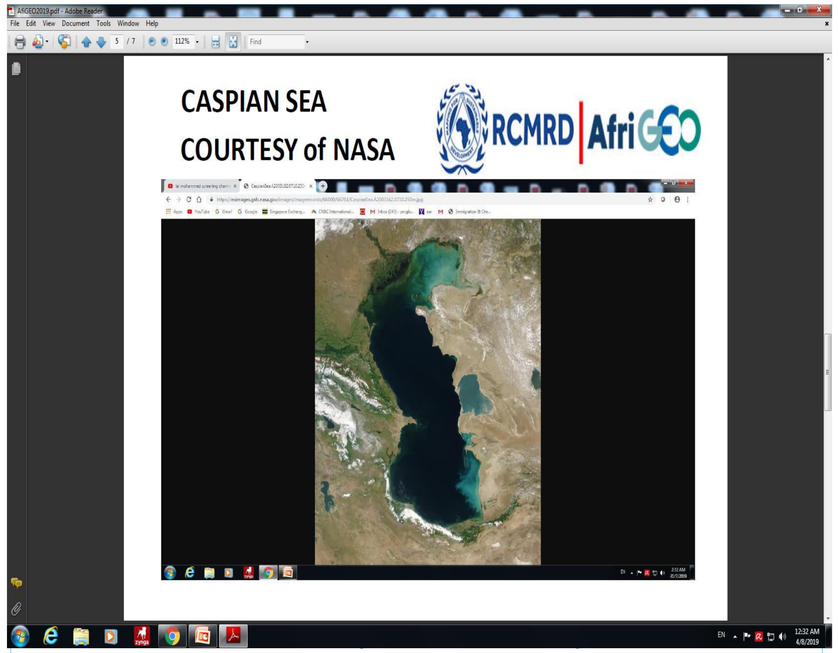
Satellite Images Courtesy of NASA & NOAA GODDARD Orbiting Satellites

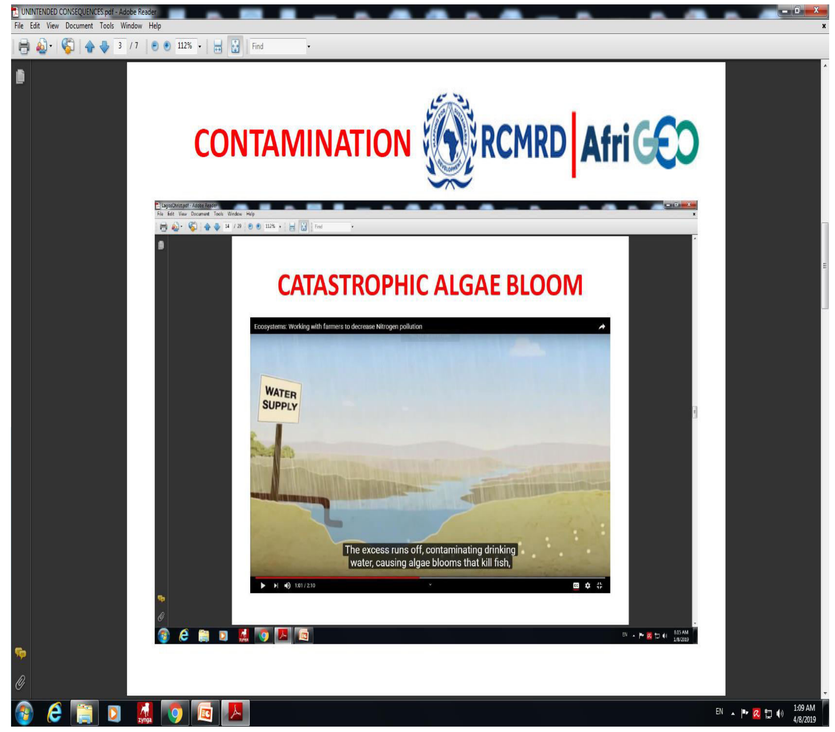
Water and Water-Related Disasters

HARMFULL ALGAE BLOOM FROM NPK FERTILISER EUTROPHICATION IN WATER /LAKES/OCEANS

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THE USE OF NPK FERTILISER CAUSES EUTROPHICATION TO GLOBAL WATER SYSTEM AND BECOME CATASTROPHIC TO MARINE LIFE AND WATER ECOLOGY. THE GROWTH OF ALGAE BLOOM FROM THE RUN-OFF OF NPK FERTILISER, WILL CREATE ANOXIA AND HYPOXIA IN WATER, KILLINGS ALL FISHERIES AND PHYTOPLANKTONS. THE DECOMPOSITION OF MARINE LIFE WILL ENDANGER THE NEARBY INHABITANTS & CYNOBACTERIA CAN BE LETHAL.





Aquatic life are destroyed and decomposition of marine life with cynobacteria posing a threat to humanity from algae bloom in all water systems







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Satellite Images Courtesy of NASA & NOAA

Land Administration and Management

HOW SOIL & LAND CAN BE RESTORED?

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First we need to stop the application and production of all NPK fertilisers. Also stop the mining of phosphate, use in the blending to produce NPK fertiliser.The processing of ammonia from gas for ammonia nitrate have to be stopped too. NPK fertilisers are the composition of Nitrogen (Ammonia Nitrate, Phospheros and Potossium). All are pollutive, and highly carbon intensive industry with very high emission and water intensive too.



We need to put carbon & nitrogen back into soil/land by photosynthesis . (growing multi types of crops on land , and preferably with chicken/animals on the same plot. (Need to rotate for grazing purposes) There is a need to retain minimum tilling or no tilling in the soil. Reforestation, is another method of healthy soil restoration. Mycorrhizal and fungi are just as important for recovery to healthy soil. Soil must be able to retain water/moisture for crops too. The essential nitrogen & carbon needed for crops are available in the air & Earth crust in abundance. Microbial chemistry will make it available to the roots as nutrient ready, as and when needed for growth. There is no eutrophication and leachation, without any NPK fertiliser. In this case, there is no algae bloom to destroy the biodiversity and ecology. As, there is no eutrophication and run-off into any water system.









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Innovation

PHOTOSYNTHESIS & CARBON FARMING
NATURE BASED SOLUTION

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THERE IS NO HISTORIC EVIDENCE TO SUGGEST

THAT NPK FERTILISER IS A MUST IN ANY

AGRICULUTURE TO FEED THE GLOBAL POPULATION

AGRI INDUSTRY & POLICY MAKERS HAVE BEEN DUPED

INTO BELIEVING THAT THERE IS NO OTHER GREENER

BETTER OPTION. THE TRUTH

IS AMMONIA NITRATE IS AN INGREDIENT FOR MAKING BOMBS & VERY TOXIC . PHOSPHATE MINING IS A GLOBAL ECO CATASTROPHE TOO. NPK FERTILISER INDUSTRY HAVE BEEN MISPRESENTED & MIS-SOLD TO THE GLOBAL COMMUNITY BY VESTED INTEREST GROUP. THE CURRENT PRACTICE ON THE SUBSIDIES FOR USING NPK FERTILISER IS FOOLISH & MUST STOP.



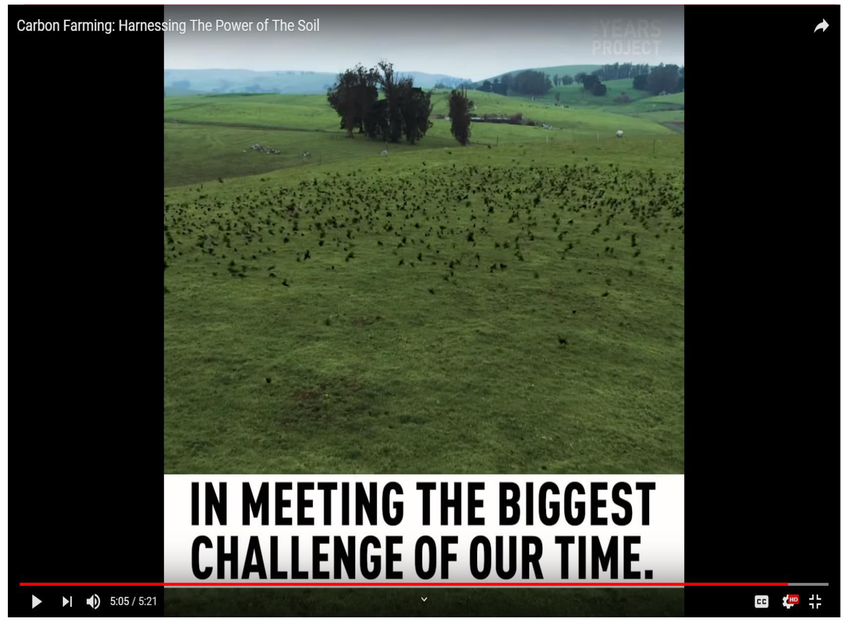




THE GREAT POTATOES HARVEST

WITHOUT NPK FERTILISER





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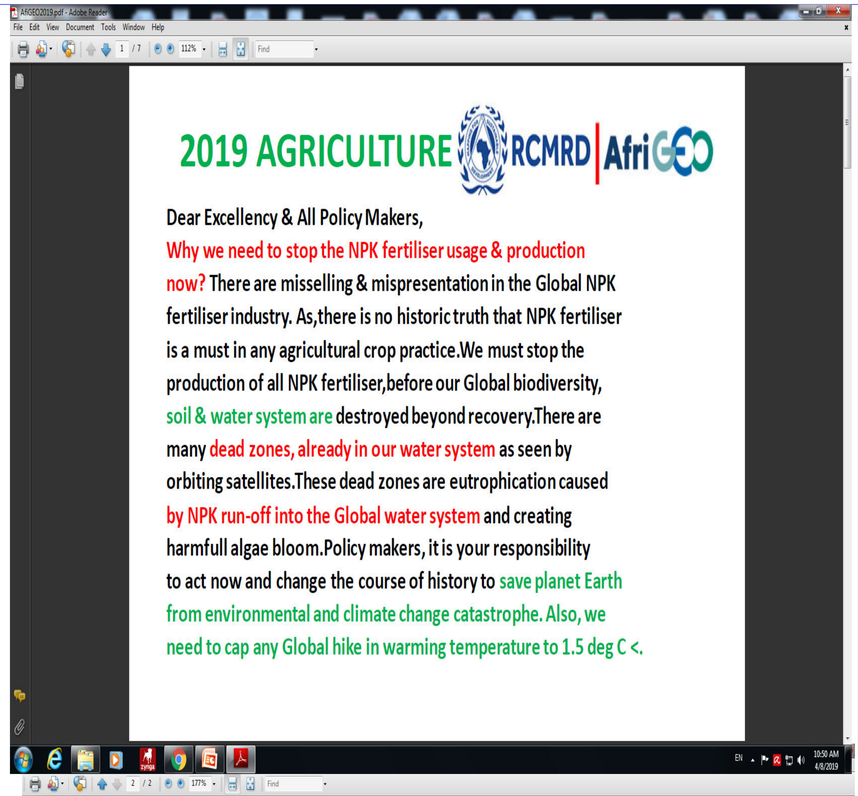
Institutional Profile

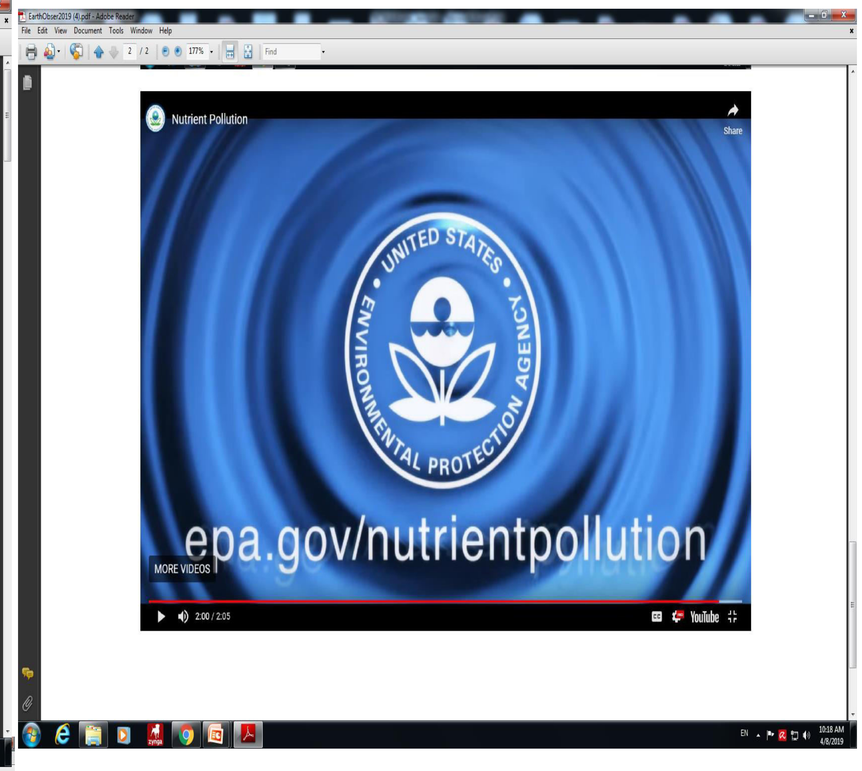
PRC GLOBAL PTE LTD SINGAPORE

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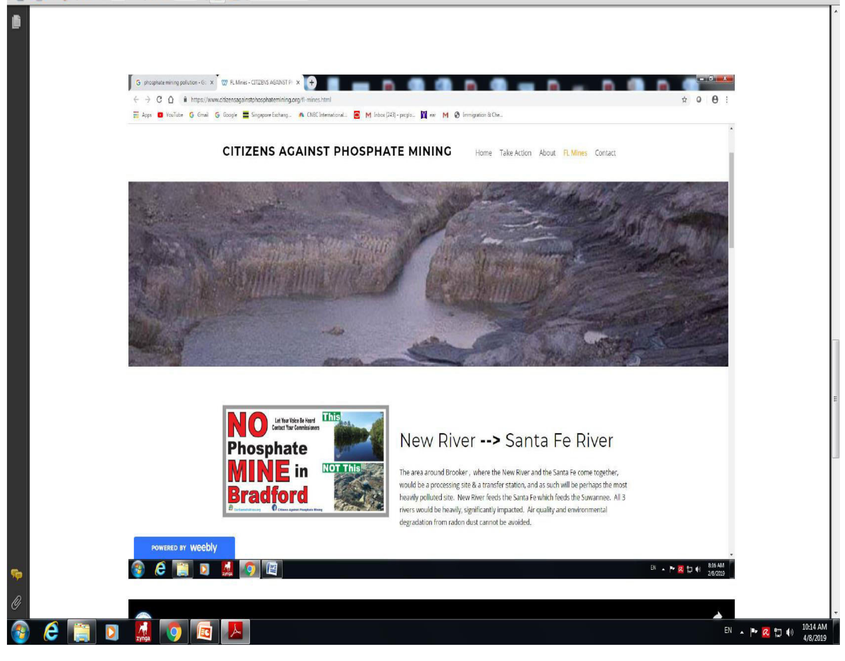
PRC GLOBAL PTE LTD is a Singapore registered entity and we are in providing green combustion liquid technology to optimise the combustion efficiency in liquid fossil fuel to consume lesser carbon fuel and curtail global belching emissions.

Our mission is to support the UNFCCC's set target of any global warming height to 1.5 deg.C. or <. We are embarking on a green mission, to change the current practice of **toxic agriculture** using NPK fertiliser, be substituted by carbon farming.











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https://www.youtube.com/watch?v=DEF4WNHdvSI