

“A nation that destroys its soil, destroys itself.”
- Franklin Roosevelt

- Producing Richer and Sustainable Soil Health.

SafeRock Minerals Paving the Organic Path in India

According to, “The State of Food and Agriculture Report 2012”, “world agriculture needs to feed a projected population of more than 9 billion people by 2050, some 2 billion more than today.”

“**T**o feed 9 billion people in 2050, we urgently need to adopt the most efficient farming techniques available,” wrote **Olivier De Schutter, U.N. Special Rapporteur** on the right to food and author of the report. “Today’s scientific evidence demonstrates that agroecological methods outperform the use of chemical fertilizers in boosting food production where the hungry live – especially in unfavourable environments.”

Population growth will be concentrated in countries where hunger and natural resource degradation are already rife. Crop and livestock production systems must therefore become more intensive to meet growing demand. Investing in agriculture is one of the most effective strategies for reducing poverty and hunger and promoting sustainability.

SafeRock Minerals Ltd. is committed to the research and development of the organic fertiliser, livestock feed and human health markets, with the strategic aim that these endeavours will be of benefit to future generations.

SafeRock Minerals Ltd owns the natural mineral resource which has been branded as SafeRock Agri; along with SafeRock Health and SafeRock Feed. Geologists tell us that this totally natural resource was created by the geological action of the continental shelf pushing sedimentary deposits up from the sea bed creating the surface deposits recently discovered in Northern Ireland. The resource, when

crushed to a powder provides a unique blend of minerals and nutrients that is 100 percent recoverable with no additives being used or waste being created. We aim to use SafeRock Agri to provide a natural holistic solution to the global crisis of soil degradation.

SafeRock Agri is a 100 percent natural resource which has been certified for organic use as a mineral soil conditioner. It is a slow release natural mineral resource which can be used to decrease our dependence on chemical fertilisers as it contains many of the minerals and trace elements essential for healthy crops and livestock through the stimulation of microbial and earthworm activity

Key Facts about SafeRock Agri:

- is a non-hazardous 100 percent natural product which has been certified for organic use

- contains minerals and trace elements essential for grasslands, crops, vegetables and fruit
- increases microbial and earthworm activity
- creates vigorous growth in grasses and all types of crops
- naturally self-medicates soil with the correct nutrition
- regenerates soil structure resulting in a much richer fertile soil
- has a unique element Silicon (Si) which releases phosphates
- regulates and balances soil high in toxins i.e. aluminium, strontium or minerals i.e. copper, magnesium
- increases plants natural abilities to defend against drought, pests and disease
- makes plants less dependent on water, herbicides and pesticides



The team of Safe Rock Minerals Ltd, U.K meeting the Vice Chancellor of Tamil Nadu Agricultural University. Left to right - K.S. Shankar, Operations India, Bill Avery, Senior Agronomist, K Ramasamy, Vice Chancellor TNAU, Colin Downing Project Director, B.K.Gaind, Operations India, John Jeremiah Director Operations, U.K.

- is not water soluble - eliminating losses through leaching
- is a geological sedimentary resource with no additives
- can be used on a wide range of farming applications from arable to livestock
- has no Nitrogen (N) value, but it can be added if required
- can work in harmony with any chemical fertiliser
- negates need for additional fertiliser when used with other organic matter, such as farmyard manure
- can be used on its own to replenish soil minerals that have become depleted over years
- re-balances the trace elements and minerals in the natural soil

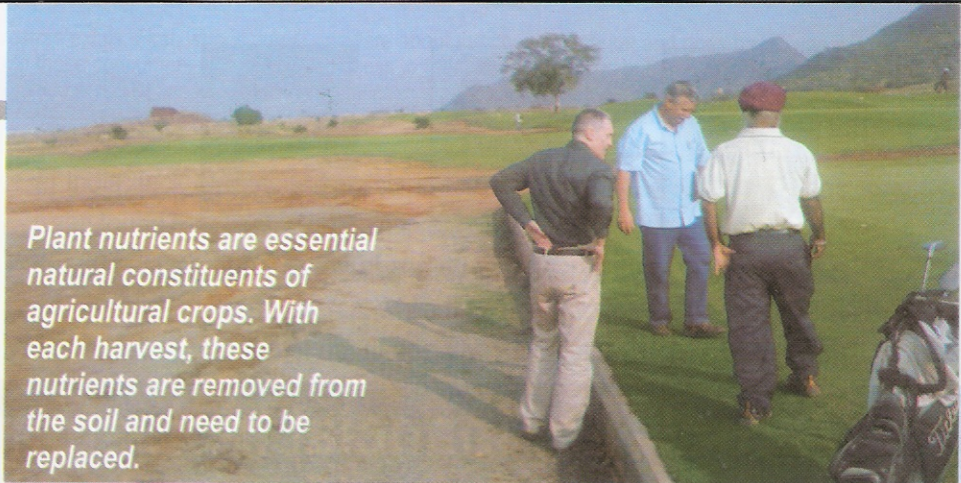
Other Brands

SafeRock Minerals Ltd. is also developing the brands SafeRock Feed and SafeRock Health in conjunction with SafeRock Agri. Strong anecdotal evidence from samples which have been provided around the world has encouraged further development of this unique natural blend of minerals. Trials of the product are to commence as livestock feed and as a detoxification agent in beauty and bath products.

SafeRock Health is currently preparing to undertake pharmaceutical trials using the extracted mineral as a natural detoxification agent in emollient creams, bath soaps, shampoo treatments, body wraps, facial washes and body scrubs. The high mineral content is likely to help with numerous skin conditions and should be highly sought after in the cosmetic and healthcare industries. Further trials are also planned to assess the ability to bind with fats and cholesterol within the gut, thereby preventing their absorption into the body.

SafeRock Feed is also being developed through the use of the extracted minerals in livestock feed. Early reports suggest that it helps with hoof rot problems in cattle and Epiphysitis in horses. Further trials for use as an animal feed supplement are to commence on poultry, as chickens have very low toxicity tolerances. We

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Members of the Safe Rock Minerals Ltd inspecting the RAKINDO KOVAI GOLF TOWNSHIP, near Coimbatore. This township has been identified for field trials of Safe Rock Agri.

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have negotiated for the above trials to commence with Moy Park Ltd, one of Europe's leading poultry companies, using SafeRock Feed as an alternative to crushed oyster shells. .

Mineral Fertilisers

"You can trace every sickness, every ailment and every disease to a minerals deficiency" quoted by Dr Linus Pauling, two times Nobel Prize winner. Plant nutrients are essential natural constituents of agricultural crops. With each harvest, these nutrients are removed from the soil and need to be replaced. The increasing global demand for food calls for greater agricultural productivity and improved crop nutrition, which can only be provided by mineral fertilisers.

Risks to Plants and Humans

According to the "Pesticide-Induced Diseases Database" The common diseases affecting the public's health are all too well-known in the 21st century: asthma, autism and learning disabilities, birth defects and reproductive dysfunction, diabetes, Parkinson's and Alzheimer's diseases, and several types of cancer. Their

connection to pesticide exposure continues to strengthen despite efforts to restrict individual chemical exposure, or mitigate chemical risks, using risk assessment-based policy..

The Power of Organic Incorporation

Over the last few decades we have learned much about how soil in natural areas remain extremely productive without inputs of chemical fertilisers, pesticides and irrigation. The power of incorporation of organic amendments and soil biology has been successfully demonstrated on large-scale modern farms. We must feed the world today without destroying future generations' ability to produce enough food for survival. To do this we need to launch an organic, biological strategy to manage the world's soil. If we hope to redress the market failure which would otherwise blight the lives of future generations we have to see that there is a direct relationship between the resilience of the planets eco systems and the resilience of our national economy.

Fertile soil is about 45 percent decomposed rock (minerals matter), 5 percent decomposed living things (organic matter) and 50 percent pore spaces with circulating water, air and organisms. Our product, SafeRock Agri utilises and enhances the natural (physical, chemical and biological) processes, to produce richer, sustainable soil health. The company is presently engaged in the field trials in India through agricultural universities, sugar cane institutes and tea research organisations.

*B.K. Gaid is in Operations India
Safe Rock Minerals.*

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