



Rethinking agriculture in the context of sustainability and global climate change.

With increased awareness on global climate change, new regulations are emerging quickly to allow farmers to trade carbon credits which can be accumulated by sequestering carbon in the soil.

Industry Regulations – Canada’s actions to reduce emissions from industry involve pricing emissions from large polluters that emit over 50,000 tonnes of carbon per year as part of the Greenhouse Gas Pollution Pricing Act. California and EU have similar policies. This system is implemented in any province that currently does not have its own regulations including Manitoba and Ontario. Large emitters in Saskatchewan will be expected to comply with provincial emission standards and pay a carbon price for every tonne of CO₂ emitted if not meeting performance standards. In some North American locations, and expected to be included in the Saskatchewan regulations, carbon credits can be purchased to shelter from the carbon tax.

Offsetting Emissions – Reduce your farms carbon footprint, comply with environmental regulations, and grow more efficiently and sustainably.

Various farming practices supported by government standards allow farmers to accumulate carbon credits that can be sold back to regulated industries.



MISSION

Fertoz aims to align agriculture with climate policy by encouraging the implementation of sustainable soil management practices to reduce greenhouse gas emissions.

FRAMEWORK

Carbon drawn from the air has the ability to enrich our lands, reduce greenhouse gas emissions and foster global sustainability.

To activate soil productivity, soil fertility and ensure long term soil health – rock phosphate has the potential to generate higher yields and increase soil carbon sequestration, making your operation more profitable, resilient and climate-friendly.

The production of sedimentary rock phosphate is simple – physical mining, crushing, and screening – reducing CO₂ emissions compared to chemical extraction fertilizer production methods. No phosphor-gypsum waste is accumulated through processing of rock phosphate.

Fertoz is working with policy makers, agronomists, third party testing services, carbon trading facilitators and industrial organizations to facilitate the carbon trading process in North America and Australia.

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Carbon Sequestration is the long-term removal of carbon from the atmosphere. Our goal is to enhance the capture and storage of carbon in the soil, and to reduce carbon emissions from industrial fertilizer manufacturing processes.

How is Carbon Sequestration Measured?

Carbon sequestration is measured in terms of accumulated soil organic carbon in the soil. This can be quantified through soil testing before and after implementation of a best practice protocol. Aerial sensorial imaging can also be used in conjunction with soil testing to substantiate carbon accumulation in the soil. Fertoz will facilitate soil testing before and after implementing carbon sequestering protocols to measure how your practices contribute to carbon sequestration.

What is Soil Organic Carbon?

Soil organic carbon is a good indicator of soil health affecting moisture retention, infiltration, nitrogen availability, and resilience to climate change. Soil organic carbon is the carbon derived from soil organic matter made up of microorganisms, partly decomposed plant and animal material, humus; highly decomposed organic material.

What is the Value of a Carbon Credit?

Carbon credits have been valued as high as \$50 per metric ton of CO₂.

What Protocols Qualify?

Projects need to be registered, approved, monitored and third party verified. Once regulations are in full effect, Fertoz plans to register agricultural land management protocols that allow producers to receive carbon credits for using rock phosphate, humates and sustainable fertilizers on their conventional and organic operations.

Preliminary Research

Fertoz is currently monitoring and testing soil organic carbon sequestration in response to the implementation of rock phosphate fertilizers.

How can I get started today?

The Greenhouse Gas Offset Programs target final regulations for the fall 2021. Wider adoptions of carbon programs are expected to follow. Start to consider how you can sequester carbon today. Fertoz provides sustainable fertilizer use certificates for fertilizer purchased from us. Fertoz is there to support you through soil testing, documentation process and connect you with industry.

Join us in our mission to reduce greenhouse gas emissions by adopting sustainable agricultural land management practices today!

COMPANY

Fertoz is vertically integrated. We mine and manufacture natural, high quality phosphate fertilizers and blends for sustainable, organic and regenerative ag production. Additionally, we work with various parties to facilitate the carbon trading process and measure our success.

PROJECTS

1. Help farmers lower their carbon footprint by offering phosphate fertilizers that emit substantially less (~ 1/5th) CO₂ emissions during its production phase.
2. Encourage farmers to use products that enhance soil health, crop productivity, and increase carbon sequestration in the soil.

ELIGIBILITY

Our programs are accessible to producers across North America.

- Broad acre and organic crop producers
- Specialty horticultural farmers
- Turf Specialists

ENVIRONMENTAL BENEFITS

- Lower atmospheric carbon
- Less leaching and run-off benefiting aquatic ecosystems
- No phospho gypsum waste production

SOIL BENEFITS

- Build soil reserves and extended P availability
- Add calcium, silica, and trace minerals to the soil

ECONOMIC VALUE

With current elevated conventional phosphate prices, rock phosphate is a cost-effective alternative providing no financial barrier to its implementation.

CARBON INCENTIVES

For every ton of P₂O₅ from MAP or DAP replaced by Rock Phosphate, a reduction of 1 ton of CO₂ is emitted from fertilizer production, or the equivalent of 1 carbon credit.

For every rock phosphate order, a certificate will be awarded showing the reductions in emissions and calculation of potential carbon credit rewards.

THIRD PARTY TESTING

Fertoz works closely with agronomists and third-party soil specialists to test your soil for soil organic carbon sequestered as a result of using our products.

Certificates will be awarded indicating potential carbon credit rewards based on sequestered carbon in the soil.

DOCUMENTATION

Producers must document their fertilizer purchases, by retaining invoices and weight tickets. Phosphorus soil test analysis and recommended application rate would also be verified.

TRACKING

Carbon trading inventories will be publicly available on Fertoz website www.fertoz.com.