

Natural Phosphate Fertilizers for all Soils and Crops

**Fertoz Brings Quality, Reliability and Value
to North American Farmers**

Fertoz

As the phosphate fertilizer market continues to deal with pressures from global instability, mounting logistical and shipping challenges, and significantly rising costs, Fertoz, a North American leader in the mining and manufacturing of rock phosphate fertilizers for agricultural production, is bringing stability and value to our agricultural customers, providing a reliable source of high-quality organic rock phosphate fertilizers.

Our commitment is to **provide customers with organic, regenerative and conventional farming operations by providing reliable access to direct application rock phosphate fertilizers that are better for the environment.** Fertoz “soft” and “sedimentary” rock phosphate fertilizer is **naturally occurring** and **100% sourced in North America.**



Market Outlook

Supply chains are continuing to tighten around the globe, especially on imported products from Morocco, Saudi Arabia, Russia, Belarus and other key sources of phosphate fertilizer.

- Moroccan rock phosphate has hit \$255/ton FOB (Free on Board), compared with \$75/ton only 24 months ago — **almost a 30% increase in price.** At the same time, costs are expected to remain high as prices for energy, fuel and labor continue to increase.

- **In contrast, Fertoz products are locally sourced from mines in North America.** This results in better product consistency and pricing stability, despite today’s logistics and fuel cost challenges.
- As a result, **farm customer demand is currently high** for our current rock phosphate product, and we recommend that customer requirements be confirmed to ensure timely product delivery.



Agronomic Advantages of Rock Phosphate

Phosphate is a major nutrient that promotes overall plant cell health, tissue growth and better-yielding crops. At Fertoz, we aim to offer a quality organic fertilizer option that is natural, high in available phosphorus (the sum of the phosphorus soluble in water plus that which is soluble in a citrate solution) and free of contaminants.



Nutritional Benefits of Fertoz Fertilizer Products:

- **High phosphate content** (20%+ in organic form) is critical for root development, vegetative growth and filling out fruit and seed.
- Contains **key elements of available calcium and silica**.
- Silicates improve plant resistance to a range of insects and diseases.
- Calcium is important for cell wall and membrane development, and for plant defense systems and growth. Calcium is also vital for good soil structure and water retention.



Slow Release

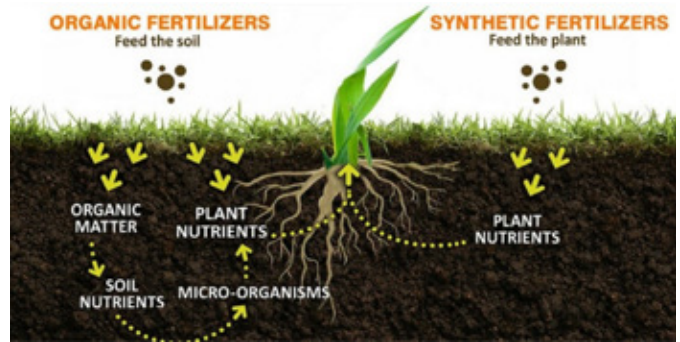
- Fertoz slow-release products have **consistently proven to be more cost effective** for farmers.
- Rock Phosphate will release phosphate, calcium, silica and trace minerals over time, avoiding run off and leaching, and resulting in a **much better overall fertilizer investment**.
- **Loss through leaching is 22 times less** than soluble P and remains available over time. (Remember that the water-soluble alternative will only deliver 27% of their P load before locking up in the soil profile.)
- Slow-release technology is ideally suited to crops with extended phosphorous needs allowing for **reduced application rates** throughout the season, thus **minimizing cost and soil compaction**.





Soil Health Benefits

- Fertoz Rock Phosphate Fertilizer has a low salt index of almost zero, compared with MAP at 30 ppm. This difference helps to build soil health through increased organic matter and microbial activity, restoring biodiversity.
- A low salt index also means it is safe to use without the risk of burning plants.



Unlike synthetic fertilizers that feed only the plant, organic fertilizers feed the soil to support organic matter, soil nutrients, micro-organisms and plant nutrition.



Products and Blends

Fertoz products are available in a variety of formulations to support the unique needs of our farmer customers, including granulated, pelletized, or powdered products. **Available products** include rock phosphate, alfalfa nitrogen, custom products and blends with sulfur, humates and potash.



Carbon Benefits

Rock phosphate is a naturally sourced fertilizer that provides a low carbon footprint compared to conventional fertilizer. It has the potential to generate higher yields and increase soil carbon sequestration, making your operation more profitable and climate-friendly. Ask Fertoz about the potential for carbon credit incentives based on sequestered carbon in the soil.



Why Fall Applications?

Phosphate fertilizer application during the fall provides **multiple advantages** for farmers seeking optimal results.

- Due to the limited mobility of fertilizer in the soil, applications in the fall versus the spring have little impact on phosphate availability. In fact, a fall application provides time for the product to break down through exposure to soil moisture, acidic soil components and microbes, result in better uptake efficiency.
- Fertoz Rock Phosphate does not readily leach or run off, providing a long-term solution to phosphorus nutrition with extended P over multiple years. Drier soil conditions in the fall also help limit runoff risk.
- Incorporating or deep banding P fertilizer places the fertilizer in the root zone, where it can be more easily accessed by plants, and this event can be done in conjunction with fall tillage events.

For more information about Fertoz and our Natural Phosphate Fertilizers for all Soils and Crops, visit [Fertoz.com](https://www.fertoz.com).



Fertoz