

# Fertoz

## Fertoz Soft Rock Phosphate Saves Money, Improves Soil Health, and Maintains Productivity in Conventional Application

### THE BENEFITS OF REPLACING SOME YOUR MAP OR DAP WITH FERTOZ ROCK PHOSPHATE,

#### PRODUCTIVITY AND YIELD

Studies show that blending soluble P fertilizer with rock phosphate is more beneficial than the application of soluble P fertilizer alone and do not compromise yields.

Sarkar, S. et. al., 2018 showed that Rock Phosphate, applied with conventional P fertilizers enhanced plant growth and yield in rice on acidic soils (pH 5.5).

Phosphorus use efficiency ranges from 10-25% in alkaline and calcareous soils. Arfan-ul-Haq, et. al., 2020 show that a rock phosphate combination blended with DAP at 50:50 increased wheat yield 21% over 100% DAP alone on a 7.8 pH soil.

#### APPLICATION

Fertoz Rock Phosphate adds extra phosphorus to increase soil P without burning your seed. Rock phosphate can be your source of phosphate for the season or top dress with rock phosphate to get added and extended benefits. Fall application is another option to ensure P availability in the spring.

#### VALUE AND ECONOMICS

With the current high values of MAP at ~ \$1000/MT and Fertoz Rock Phosphate at ~\$650/MT, a 20% to 50% blend with rock phosphate will help keep prices down with no deficit to productivity.

#### SUSTAINABILITY

Rock Phosphate builds the soil P reserve over time and is not subject to leaching or run-off.

#### ENVIRONMENT

Reduced impact on aquatic ecosystems.

#### PROCESSING

Less carbon release into the atmosphere through processing, no gypsum waste derived from chemical extraction processes.

#### SOIL HEALTH

Builds the soil organic matter when applied with humates or compost and encourages the establishment of a healthy and diverse soil microbial population.

### LOCAL

Fertoz products are mined and manufactured locally in North America and distributed directly or through our network of dealers in Canada and USA.

### HIGH ANALYSIS

High total P (25% analysis, 20% guaranteed), high available P (7%).

### QUALITY PRODUCT

Sedimentary Soft Rock Phosphate directly mined in British Columbia, Alberta, Montana and Monterrey, low impurities.

### NUTRITION

Over 20% calcium, 10% Silica and other trace minerals important for improving soil moisture, reduce salinity, promote plant growth and control of pathogens.

### SEED SAFE

Safe to apply with the seed at high rates.

### LOW SALINITY

Rock Phosphate does not increase soil salinity, acidity, nitrate or waste accumulation promoting a healthy soil structure.

### CARBON OFFSETTING

Through higher yields and improved soil health, rock phosphate has the potential to increase carbon sequestration.

### CARBON CREDITS

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

### PARTNERSHIPS

To facilitate the carbon trading process, Fertoz is partnered with agronomists, third party testing services, carbon trading facilitators and industrial parties.

### EXPERTISE

Our team is experienced to help you with technical questions and information, marketing, logistics, organic certifications and registrations, carbon trading and agronomy.