

# Fertoz

18 APRIL 2017

ASX RELEASE / MEDIA RELEASE

## Agronomy results confirm Fertoz's organic phosphate quality

### HIGHLIGHTS:

- Testing confirms the effectiveness of Fertoz's premium organic rock phosphate blends
- Over an eight-week trial, on a typical western Canadian pH neutral, phosphate deficient soil, Fertoz rock phosphate was able to double phosphate availability; the addition of elemental sulphur was able to triple phosphate availability; the addition of compost was able to increase phosphate availability a further 50% and incorporating Bio-Sul improved availability an additional 44%
- Fertoz anticipates the successful results of this study to support the Company's sales efforts as it continues to market its premium organic products to a wide range of growers in Canada and the USA

Organic phosphate development company Fertoz Ltd ("Fertoz" or the "Company", ASX: FTZ) is pleased to provide an update regarding the results of recent laboratory testing of its high-availability rock phosphate. Conducted by leading North American agronomy consultant and former head of research for Agri-Trend, Elston Solberg, the testing confirms the effectiveness of Fertoz's premium organic rock phosphate blends.

Commenting on the results, Pat Avery, Executive Chairman, said:

*"Organic and conventional farmers in Western Canada will be very encouraged by these results. Our direct application rock phosphate alone has been shown to double plant available phosphate in lab tests. Mixed with other elements such as elemental sulphur, compost and the Bio-Cycle Solutions sulphur product, Bio-Sul, plant available phosphate increased significantly, with up to a 6.5x increase over the control case."*

*"This is great news for farmers looking to increase productivity, particularly those farmers with higher pH western Canadian soils. Further tests are planned over Spring, with different secondary fertiliser elements, but in the meantime, our focus is to get the word out so that farmers place orders for Fertoz direct application rock phosphate. We have great agronomic support, so we can work with distributors and growers on the best blends, application, and approaches."*

ASX : FTZ



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**Board of Directors**  
Executive Chairman  
Non-Executive Director  
Non-Executive Director  
Company Secretary

P. Avery  
J. Chisholm  
A. Byass  
J. McNally

**Key Projects**

Wapiti  
Fernie

Ownership: 100%  
Ownership: 100%

**Fertoz Ltd**

A.C.N. 145 951 622

## Study background

Phosphate ( $P_2O_5$ ) is a vital element for plant growth and generally considered the second most important plant nutrient after nitrogen. The base source for most phosphate fertilisers is rock phosphate.

After nitrogen, phosphate and potassium, sulphur is generally referred to as the 4<sup>th</sup> macronutrient and is becoming increasingly deficient in western Canadian soils. Typical fertility programs are currently removing more P, S and K than growers are adding, meaning that the deficiency of these three nutrients will continue to increase.

This study compared plant available phosphate and plant available sulphur using a check treatment and nine other combinations of rock phosphate, compost, elemental sulphur (ES) and Bio-Sul on a pH neutral (pH of 7.1), phosphate deficient (4 ppm M3 extraction), western Canadian soil in a laboratory environment after a two week, four week and eight week incubation period.

Overall, phosphate availability was maximised (from highest to lowest) with:

1. Bio-Sul + rock phosphate
2. ES + Compost + rock phosphate
3. ES + rock phosphate
4. Compost + rock phosphate
5. Bio-Sul
6. Rock phosphate
7. Compost + ES
8. ES
9. Compost
10. Check or Nil treatment

The testing indicated that on a pH neutral, phosphate deficient western Canadian soil, the rock phosphate application doubled phosphate availability (M3 extracted) after eight weeks or by a factor of 1.2x to 2x (over the check and three time periods) and that the use of ES and rock phosphate tripled phosphate availability after eight weeks or by a factor of 1.8x to 3x.

The addition of compost to the rock phosphate and ES further increased phosphate availability by 50% after eight weeks or by factors of 1.7x to 4.5x.

The use of rock phosphate with Bio-Sul improved phosphate availability over compost, sulphur and rock phosphate an additional 44% after eight weeks or by a factor of 3.3x to 6.5x (over check and three time periods).

Plant available sulphur was maximised with the use of Bio-Sul followed by the compost and ES, ES alone and the check.

The successful results of this study are expected to support the Company's sales efforts as it continues to market its premium organic product to a wide range of growers in Canada and the US.

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**Forward Looking Statements**

This release includes forward looking statements. Often, but not always, forward looking statements can generally be identified by the use of forward looking words such as “may”, “will”, “expect”, “intend”, “plan”, “estimate”, “anticipate”, “continue”, and “guidance”, or other similar words and may include, without limitation statements regarding plans, strategies and objectives of management, anticipated production or construction commencement dates and expected costs or production outputs. Forward looking statements in this release include, but are not limited to, the capital and operating cost estimates and economic analyses from the Scoping Study.

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