

## ORGANIC SOIL CONDITIONER

### TIMAC AGRO TECHNOLOGY

Our patented formulas are derived from nearly 60 years of research and development in plant extract technology. Through precise methods, our extracts are evaluated for their specific effects at each stage of crop development. By enriching selected extracts with macro- and micronutrients, we create bionutritional formulas that meet the ever-changing needs of the crop. Better yield and quality benefit our customers and are the result of improved emergence, vegetative growth, and reproductive performance.

As a company, our mission is to improve agriculture by focusing on four major areas of service to growers:

- Relentless innovation
- Flexible manufacturing
- Optimized applications
- Partners in the field

### FEATURES

Physioflore® is an organic soil conditioner proven to increase microbial activity, provide labile calcium, and improve breakdown of compost, manure and (or) stubble into plant available nutrients. As a homogeneous granule, it supplies several key nutrients, such as, calcium and magnesium. The patented Pheoflore algae extract stimulates soil microbes and increases soil health. Physioflore works well on manured or composted fields, orchards, vineyards, vegetables, and fruits. It can be used alone or blended with other granular fertilizers.

### KEY BENEFITS

- Calcimer provides labile calcium that helps improve soil structure and feeds the crop
- Delivers key calcium and magnesium
- The patented Pheoflore Complex stimulates soil microbes and increases soil health to improve nutrient availability



### PACKAGING SIZE

- 50 lb bag
- 1,333 lb super sack

### ANALYSIS

Calcium (Ca)..... 23%  
Magnesium (Mg) .....2.4%  
Seaweed Extract.....1%

Derived from marine calcium carbonate.

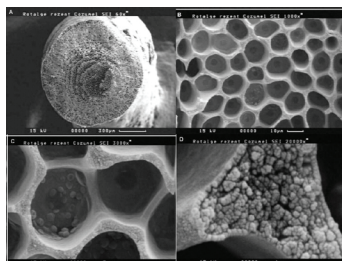
### APPLICATION

Broad acre application will often call for 100 to 200 lbs/acre. Tree fruit and vegetable production will normally require 200 to 400 lbs/acre to more intensively increase soluble calcium. Physiostart can be blended with fertilizers or applied alone. Please refer to soil tests and the advice of your Timac Agro sales representative for specific recommendations.

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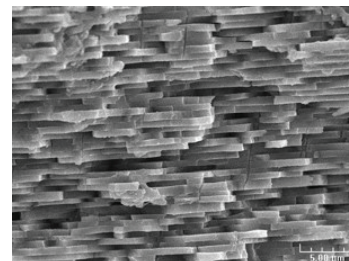
### Improved Calcium Availability

Physioflore® is manufactured using our exclusive marine-based mineral called **CALCIMER**. This highly-soluble material provides quicker release of calcium compared to limestone. This is due to its unique microscopic structure.



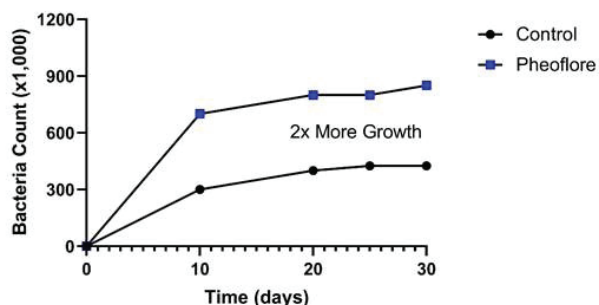
**CALCIMER**

VS.

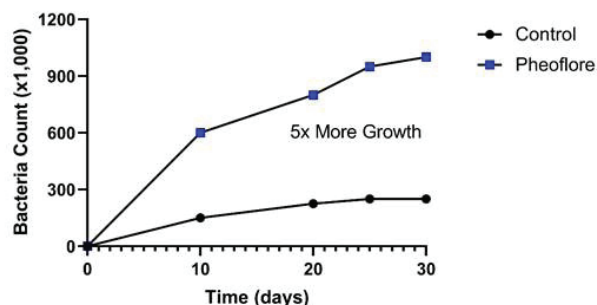


**Traditional Lime**

### Pheoflore Effects on Proteolytic Bacteria Growth



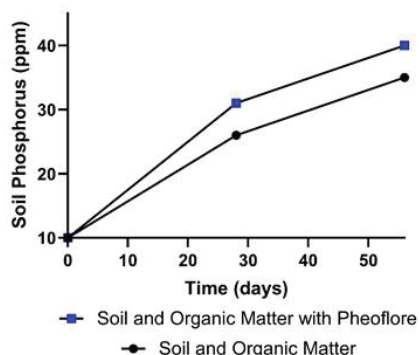
### Pheoflore Effects on Cellulolytic Bacteria Growth



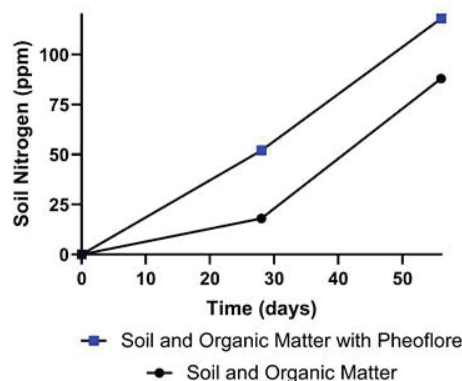
**Pheoflore® improves the activity of cellulolytic and proteolytic bacteria, microorganisms responsible for the degradation of raw and broken down organic matter.**

Source: Biotech Marine, 2003.

### Pheoflore Effects on Soil Phosphorus Availability



### Pheoflore Effects on Soil Nitrogen Availability



**Physioflore® improves soil microorganism activity leading to a higher release of N and P.**

Source: CMI, 2010.